



Western Medical Research Conference  
January 16-18, 2025  
Carmel, California

Western Section American Federation for Medical  
Research  
Western Society for Clinical Investigation  
Western Association of Physicians  
Western Society for Pediatric Research

## 2025 Western Medical Research Conference January 16-18, 2025

TIME	ACTIVITY & LOCATION
<b>THURSDAY, JANUARY 16, 2025</b>	
<b>8:00 am – 5:00 pm</b>	<b>Speaker Ready Room</b> <i>Sunset Center</i>
<b>8:00 am – 5:00 pm</b>	<b>Registration</b> <i>Sunset Center – Entry Lobby</i>
<b>9:30 am – 12:00 pm</b>	<b>WSPR Council Meeting</b> <i>Sunset Center – Chapman</i>
<b>10:00 am – 11:45 am</b>	<p><b>WAP-WSCI Plenary</b> <i>Carmel Women’s Club</i></p> <p><b>WAP-WSCI Mayo Soley Award</b> <i>W. Conrad Liles, University of Washington</i></p> <p><b>WAP-WSCI Outstanding Investigator Award</b> Exploring Alveolar Macrophage Heterogeneity in Acute Respiratory Distress Syndrome <i>Carmen Mikacenic, Benaroya Research Institute</i></p> <p><b>WAP-WSCI Distinguished Lectureship</b> Bacteriophage Therapy for Drug Resistant Bacterial Infections: From Bilge to Bedside <i>Robert (Chip) Schooley, University of California, San Diego</i></p> <p><b>WAP-WSCI Business Meeting</b></p>
<b>11:30 am – 1:00 pm</b>	<b>Food Truck in Sunset Center Parking Lot</b>
<b>11:45 am – 12:45 pm</b>	<p><b>Investigator Workshop</b> <b>How to Publish: Tips from the Editor</b> <i>(Fellows, Trainees, and Jr. Faculty)</i></p> <p><b>Lunch available at food truck</b></p> <p><b>Michael McPhaul</b> <i>Editor, Journal of Investigative Medicine - High Impact Case Reports</i> <i>Sunset Center – Green Room</i></p>
<b>12:45 pm – 3:00 pm</b>	<p><b>Concurrent Sessions</b> <b>Sunset Center</b></p> <p>Behavior, Development and Psychology I – <i>Carmel Women’s Club</i> Cardiovascular I – <i>Promenade Lobby</i> Healthcare Delivery Research I: Community Health Projects – <i>Babcock #6</i> Immunology and Rheumatology I – <i>Chapman #4</i></p>

	<p>Infectious Diseases – <i>Conductor’s Room</i>  Neonatology – General I – <i>Studio 105</i>  Neonatology – Pulmonary I – <i>Rehearsal Room</i>  Pediatrics and Adolescent Medicine I – <i>Room 5</i>  Surgery I: Orthopedics – <i>Green Room</i></p>
<b>3:00 pm – 3:15 pm</b>	<b>BREAK</b>
<b>3:15 pm – 5:45 pm</b>	<p style="text-align: center;"><b>Concurrent Sessions</b>  <i>Sunset Center</i></p> <p>Cardiovascular II – <i>Promenade Lobby</i>  Diversity, Equity, Inclusion, Research I – <i>Conductor’s Room</i>  Healthcare Delivery Research II – <i>Room 5</i>  Hematology and Oncology I – <i>Green Room</i>  Neonatology – General II – <i>Carmel Women’s Club</i>  Neonatology – Pulmonary II – <i>Rehearsal Room</i>  Neuroscience I – <i>Chapman #4</i>  Pulmonary and Critical Care I – <i>Studio 105</i>  Surgery II: Plastic Surgery – <i>Babcock #6</i></p>
<b>6:00 pm – 7:00 pm</b>	<p style="text-align: center;"><b>Welcome Reception and Poster Session</b>  <i>Jointly sponsored by</i>  <b>WAFMR, WAP, WSCI, WSMRF, and WSPR</b>  <b>6:00-7:00 PM</b>  <b>All posters presented during this time</b>  <i>All welcome and encouraged to attend</i>  <b>Posters 1-80</b>  <b>All Saints Church, Seccombe Hall</b>  <b>Ninth Avenue &amp; Dolores St.</b></p> <p>Pediatrics and Adolescent Medicine– 1-7  Behavior, Development, and Child Psychology – 8  Genetics – 9-11  Morphogenesis and Malformations – 12-18  Neonatology General – 19-41  Neonatology – Perinatal Biology -42-43  Neonatology – Pulmonary – 44-48  Neuroscience – 49-51  Surgery – 52-80</p> <p style="text-align: center;"><b>Posters 82-152</b>  <b>Sunset Center, Carpenter Hall</b></p> <p>Cardiology – 81-92  Diversity, Equity, Inclusion Research – 93  Endocrinology and Metabolism – 94-95  Gastroenterology – 96-100  Healthcare Delivery Research – 101-128  Hematology and Oncology – 129-139  Immunology and Rheumatology – 140-147  Infectious Diseases – 148-152</p>

7:00 pm – 9:00 pm	<p align="center"><b>WSPR Abbott Nutrition Reception</b>  Open to all WSPR members, trainees, and guests  <i>7th &amp; Dolores Steakhouse</i></p>
8:30 pm – 10:00 pm	<p align="center"><b>WSPR Council Dinner</b>  <i>(by invitation only)</i>  Portabella Restaurant</p>
<b>FRIDAY, JANUARY 17, 2025</b>	
7:30 am – 5:00 pm	<p align="center"><b>Registration</b>  <i>Sunset Center – Entry Lobby</i></p>
7:30 am – 5:00 pm	<p align="center"><b>Speaker Ready Room</b>  <i>Sunset Center</i></p>
8:00 am – 10:00 am	<p align="center"><b>Concurrent Sessions</b>  <i>Sunset Center</i></p> <p>Cardiovascular III – <i>Promenade Lobby</i>  Case Reports I – <i>Carpenter Hall</i>  Endocrinology and Metabolism II – <i>Carmel Women’s Club</i>  Gastroenterology – <i>Babcock #6</i>  Genetics I – <i>Rehearsal Room</i>  Healthcare Delivery Research III - <i>Conductor’s Room</i>  Neonatology – General III – <i>All Saints Church, Seccombe Hall</i>  Neonatology – Perinatal Biology I – <i>Chapman #4</i>  Pediatrics and Adolescent Medicine II – <i>Studio 105</i>  Surgery III – <i>Room 5</i></p>
10:00 am – 10:15 am	<b>BREAK</b>
10:15 am – 12:30 pm	<p align="center"><b>Concurrent Sessions</b>  <i>Sunset Center</i></p> <p>Behavior, Development and Psychology II – <i>Chapman #4</i>  Diversity, Equity, Inclusion Research II – <i>Promenade Lobby</i>  Healthcare Delivery Research IV – <i>Babcock #6</i>  Healthcare Delivery Research V – <i>Carmel Women’s Club</i>  Hematology and Oncology II – <i>Carpenter Hall</i>  Morphogenesis and Malformations – <i>Rehearsal Room</i>  Neonatology – General IV – <i>All Saints Church, Seccombe Hall</i>  Neonatology Perinatal Biology II – <i>Studio 105</i>  Nephrology and Hypertension – <i>Green Room</i>  Neuroscience II – <i>Conductor’s Room</i>  Surgery IV – <i>Room 5</i></p>
12:00 pm – 1:30 pm	<p align="center"><b>Lunch available on-site for nominal charge</b>  Food Truck in Sunset Center Parking Lot</p>
12:30 pm – 1:30 pm	<p align="center"><b>Investigator Workshop on Mentoring</b>  <b>Role of Research in Residency/Fellowship Applications</b>  <i>(This talk is aimed at medical students and residents)</i>  Adam Stevenson, MD  University of Utah School of Medicine  <i>Sunset Center – Green Room</i></p>

	<b>Lunch available at food truck</b>
<b>1:00 pm – 1:30 pm</b>	<b>Coffee and Dessert Buffet</b> <i>Carmel Women's Club</i>
<b>1:30 pm – 4:15 pm</b>	<b>Joint Plenary Session</b> <i>Carmel Women's Club</i> <b>WAFMR, WAP, WSCI, WSMRF, WSPR</b> Edwin E. Osgood Awardee WAFMR Outstanding Investigator Award WSPR Abbott Nutrition Lowell Glasgow Student Research Award WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award WSPR Abbott Nutrition Young Investigator Research Award WSPR Stanley Wright Lecture WSPR Joseph St. Geme Jr. Mentorship Award
<b>4:15 pm – 5:00 pm</b>	<b>WSPR Business Meeting</b> <i>Mariana Baserga and Shanlee Davis, Presiding</i> <b>All WSPR members invited</b> <i>Carmel Women's Club</i>
<b>4:15 pm – 5:15 pm</b>	<b>WAFMR Welcome Reception</b> <b>Open to All</b> <i>Sebastien Fuchs, Presiding</i> <i>Sunset Center – Chapman Room</i>
<b>5:15 pm – 6:15 pm</b>	<b>David Rimoin Lectureship</b> <b>Expanding the Phenotypes Underlying the Skeletal Dysplasias</b> <i>Deborah Krakow</i> <i>University of California Los Angeles</i> <i>Sunset Center – Carpenter Hall</i>
<b>6:00 pm – 8:30 pm</b>	<b>WAP-WSCI Council Meeting</b> <i>(by invitation only)</i> <i>Cantinetta Luca</i>
<b>6:00 pm – 8:00 pm</b>	<b>Western Perinatal Club</b> <b>Oxygen Saturation Targets: Are Neonates Tiny Adults?</b> <i>Satyan Lakshminrusimha</i> <i>UC Davis Children's Hospital</i> <i>Sponsored by Reckitt/Mead Johnson Nutrition</i> <b>Western Perinatal Club Briefing</b> <i>Carmel Women's Club</i>
<b>6:15 pm – 7:15 pm</b>	<b>Dysmorphology Club</b> <i>Supported by Abbott Nutrition</i> <i>Sunset Center – Carpenter Hall</i>
	<b>SATURDAY, JANUARY 18, 2025</b>
<b>7:30 am – 10:00 am</b>	<b>Speaker Ready Room</b> <i>Sunset Center</i>
<b>7:30 am – 10:00 am</b>	<b>Registration</b> <i>Sunset Center – Entry Lobby</i>

<b>8:00 am – 10:00 am</b>	<p style="text-align: center;"><b>Concurrent Sessions</b> <i>Sunset Center</i></p> <p>Case Reports II – <i>Chapman #4</i>  Diversity, Equity and Inclusion, Research III: Women's Health –  <i>Rehearsal Room</i>  Endocrinology and Metabolism II – <i>Green Room</i>  Genetics II – <i>Room 5</i>  Healthcare Delivery Research VI: Medical Education – <i>Babcock #6</i>  Neonatology – General V – <i>Carpenter Hall</i>  Neonatology – Perinatal Biology III – <i>Studio 105</i>  Pediatric and Adolescent Medicine III – <i>Conductor's Room</i>  Pulmonary and Critical Care II – <i>Promenade Lobby</i></p>
<b>10:00 am – 10:15 am</b>	<b>BREAK</b>
<b>10:15 am – 12:00 pm</b>	<p style="text-align: center;"><b>Concurrent Sessions</b> <i>Sunset Center</i></p> <p>Behavior, Development and Psychology III – <i>Promenade Lobby</i>  Genetics III – <i>Studio 105</i>  Healthcare Delivery Research VII: Quality Improvement – <i>Babcock #6</i>  Hematology and Oncology III – <i>Green Room</i>  Immunology and Rheumatology II – <i>Room 5</i>  Neonatology – General VI – <i>Carpenter Hall</i>  Neonatology – Pulmonary III – <i>Conductor's Room</i>  Neuroscience III – <i>Rehearsal Room</i></p>
<b>12:15 pm – 2:00 pm</b>	<p style="text-align: center;"><b>Society Officers Planning Meeting</b> <i>(by invitation only)</i> <i>Sunset Center – Chapman #4</i></p>

## CME CERTIFICATION

This Live activity, 20245 Western Medical Research Conference, with a beginning date of January 16, 2025, is accredited for **XX** Prescribed credits by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**AMA/AAFP Equivalency:** AAFP Prescribed credit is accepted by the American Medical Association as equivalent to *AMA PRA Category 1 credit(s)*<sup>TM</sup> toward the AMA Physician's Recognition Award. When applying for the AMA PRA, Prescribed credit earned must be reported as Prescribed, not as Category 1.

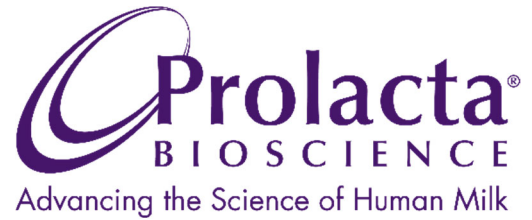
**An Electronic Credit Request/Evaluation Survey Will Be Emailed To You After The Program.** This electronic survey will allow you to provide your evaluation of this educational activity in addition to requesting AMA PRA, Prescribed credit earned must be reported as Prescribed, not as Category 1.

You will receive the link and instructions in your **Email Inbox on Wednesday, January 22, 2025**. If you do not receive your link to the evaluation in your email inbox, please contact us at [admin@afmr.org](mailto:admin@afmr.org). Original certificates for this conference may be claimed until **February 28, 2025**. Duplicate certificates are available at any time



### Acknowledgements

We would like to thank the following companies for their generous support:





Western Medical Research Conference  
January 16-18, 2025  
Carmel, California

Western Section American Federation for Medical  
Research  
Western Society for Clinical Investigation  
Western Association of Physicians  
Western Society for Pediatric Research

## 2025 Western Medical Research Conference Award Winners



### *Edwin E. Osgood Award*

Isbah Khan, University of Washington School of Medicine

### *WAFMR/WAP/WSCI Student Subspecialty Award*

David Alexander, University of Colorado Anschutz Medical Campus

Zahraa Alomar, University of Washington School of Medicine

Piyawat Arichai, Los Angeles General Medical Center, Children's Hospital Los Angeles

Ryan Clayborn, University of Colorado Anschutz Medical Campus

Raymond Hsu, University of Washington School of Medicine

Amir Kalani, University of Colorado Anschutz Medical Campus

Andrew Keene, University of Colorado Anschutz Medical Campus

Joseph Larson, Loma Linda University

Samuel Lin, Loma Linda University

Rachael McVicar, Sanford Burnham Prebys Medical Discovery Institute

Diemmy Nguyen, University of Colorado Anschutz Medical Campus

Shaan Sekhon, University of California San Francisco

### *WAFMR Trainee Research Award*

Zollie Daily, Western University of Health Sciences

Sai Kit Ng, University of Washington School of Medicine

Stephanie Tsoi, University of California San Francisco

### *WAFMR/WAP/WSCI Outstanding Resident Award*

Erum Chowdhry, University of Nevada Las Vegas Kirk Kerkorian School of Medicine

### *WAP/WSCI Travel Award*

Tabarak Alomar, University of Washington School of Medicine

Ernestina Bioh Hansen-Sackey, Valley Children's Healthcare

Samantha Bothwell, University of Colorado System

Jacqueline Kading, University of California San Francisco

Stephanie McLaughlin, University of Washington

Jana Mike, University of California San Francisco

Amanda Nguyen, UC Davis Health

Simran Rai, University of California Los Angeles

Nitya Rajeshuni, Stanford University School of Medicine



Hasti Soltani, Los Robles Regional Medical Center  
Muhammad Zafar, Los Robles Regional Medical Center

***WAFMR Young Investigator Award***

Geoanna Bautista, University of California Davis School of Medicine

***WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award***

Jorge Rodriguez-Gil, Stanford University

***WSPR Abbott Nutrition Lowell Glasgow Student Research Award***

Alissa Reed, Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest

***WSPR Abbott Nutrition Subspecialty Award***

Jamie Archambault, University of Colorado Anschutz Medical Campus

Shalika Devireddy, Creighton University School of Medicine

Dennis Gurfinkel, Adult and Child Consortium for Health Outcomes Research and Delivery Science

Erin Riley, University of California Davis

Jacob Taylor, University of Utah Health

Talia Thompson, University of Colorado Anschutz Medical Campus

***WSPR Abbott Nutrition Outstanding Resident Research Award***

Jessica Santana, University of California Davis

***WSPR Abbott Nutrition Young Investigator Research Award***

Daniah Belefrod, University of California Davis

***WSPR Chiesi Fellow Award***

Bridget Fernandez, Children's Hospital Los Angeles, Keck School of Medicine of USC

Ranjha Khan, University of California San Francisco

***WSPR Chiesi Medical Student Award***

Chelsea Barrows, Loyola University Chicago Stritch School of Medicine

Kathryn Glaittli, University of Nevada Reno, University of Utah Health

***WSPR Chiesi Resident Research Award***

Emma Banwell, University of Utah Health

Zareh Torabyan, University of California San Francisco

***WSPR Chiesi Undergraduate Award***

Crystal Hsueh, University of California Los Angeles

Alyssa Keller, Children's Hospital Colorado

***WSPR Reckitt/Mead Johnson Subspecialty Award***

Sarah Banerji, Stanford University School of Medicine

Beltran Borges, University of California San Francisco

Isabel Friesner, University of Colorado Anschutz Medical Campus

Shannon Nielsen, The University of Utah School of Medicine

Betty Pham, University of California San Diego, Rady Children's Hospital

Rocio Velasco Poblaciones, Stanford University School of Medicine

***WSPR Prolacta Research Award***

Noelle Gorka, Stanford University School of Medicine

Joslynn Hoburg, University of Utah Health

Abhinav Janappareddi, University of Washington School of Medicine  
Maille Moriarty, University of Washington School of Medicine  
Brandon Saiki, University of California San Diego  
Chynna Swift, University of California San Francisco  
Alex Ueoka, Hawaii Pacific Health

***WSPR Reckitt/Mead Johnson Junior Faculty Award***

Tim Bahr, University of Utah Health  
Yair Bannett, Stanford University School of Medicine  
David Blair, University of California San Francisco  
Ivana Maric, Stanford University School of Medicine  
Nhu Tran, Children's Hospital Los Angeles Department of Pediatrics

***WSPR Reckitt Mead Johnson Research Staff Award***

Evan Giusto, University of California Davis, University of California Davis  
Sabrina Madrigal, The Lundquist Institute

***WSPR Steve Daniel's CU Resident Award***

Nazanin Kazemi-Butterfield, University of Colorado Anschutz Medical Campus

## INVITED SPEAKERS

**Thursday, January 16, 2025**

### **WAP/WSCI Plenary Session**

#### **WAP-WSCI Mayo Soley Award**

**Presenter:** *Bradley D. Anawalt MD, University of Washington*

**Recipient:** *W. Conrad Liles, MD, PhD, University of Washington*

**10:00-10:15 AM**

*Carmel Women's Club*

#### **WAP-WSCI Outstanding Investigator Award**

Exploring Alveolar Macrophage Heterogeneity in Acute Respiratory Distress Syndrome

*Carmen Mikacenic, Benaroya Research Institute*

**10:15-11:00 AM**

*Carmel Women's Club*

#### **WAP-WSCI Distinguished Lectureship**

Bacteriophage Therapy for Drug Resistant Bacterial Infections: From Bilge to Bedside

*Robert (Chip) Schooley, University of California, San Diego*

**11:00-11:45 AM**

*Carmel Women's Club*

#### **Investigator Workshop: How to Publish: Tips from the Editor**

*Michael McPhaul, Editor, Journal of Investigative Medicine - High Impact Case Reports*

**11:45-12:45 pm**

*Green Room, Sunset Center*

#### **Pediatrics and Adolescent Medicine I**

Adding Value to the Design, Conduct, and Reporting of Child Health Clinical Research

*Pediatrics and Adolescent Medicine State-of-the-Art Speaker: Martin Offringa, The Hospital for Sick Children (SickKids)*

**1:45 PM-2:15 PM**

*Room 5 (Sunset Center)*

#### **Neonatology Pulmonary I**

A Wrinkle in Time: Lung Development and Disease in Four Dimensions

*Chiesi State-of-the-Art Speaker: Jennifer Sucre, Vanderbilt University Medical Center*

**2:00 PM-2:30 PM**

*Rehearsal Room (Sunset Center)*

#### **Neonatology General II**

Platelets as immune cells: Implications for neonatal platelet transfusions

*Philip Sunshine State-of-the-Art Speaker: Martha Sola-Visner, Boston Children's Hospital*

**4:00 PM-4:30 PM**

*Carmel Women's Club*

## Friday, January 17, 2025

### **Neonatology General III**

The Placental-Pulmonary Niche: Defining human placental derived mechanisms of developmental lung injury

*Vedang Londhe State-of-the-Art Speaker: Elizabeth Taglauer, Boston University Chobanian & Avedisian School of Medicine*

**8:30 AM-9:00 AM**

*All Saints Church, Seccombe Hall*

### **Neonatology - Perinatal Biology I**

Translational Medicine & the Neuroscientist: From Preclinical Modeling to the NICU

*Fred Battaglia State-of-the-Art Speaker: Lauren Jantzie, Johns Hopkins Medicine*

**9:30 AM-10:00 AM**

*Studio 105, Sunset Center*

### **Behavior, Development and Psychology II**

Improving the Launch: Kangaroo Care for Children Born Very Preterm

*Robin Hansen Developmental & Behavioral Pediatrics State-of-the-Art Speaker: Heidi Feldman, Stanford University*

**10:45 AM-11:15 AM**

*Rehearsal Room, Sunset Center*

### **Neonatology General IV**

Body Composition in Preterm Infants: Focusing on Growth Quality

*Joan Hodgman State-of-the-Art Speaker: Ariel Salas, University of Alabama at Birmingham*

**11:00 AM-11:30 AM**

*All Saints Church, Seccombe Hall*

### **Morphogenesis and Malformations**

Long-read sequencing as the future of clinical genetic testing

*John Carey Morphogenesis & Malformations State-of-the-Art Speaker: Danny Miller, University of Washington*

**12:00 PM-12:30 PM**

*Rehearsal Room (Sunset Center)*

### **Investigator Workshop on Mentoring**

Role of Research in Residency/Fellowship Applications

*Adam Stevenson, Associate Dean of Student Affairs, University of Utah School of Medicine*

**12:30-1:30 pm**

*Green Room, Sunset Center*

### **Joint Plenary Session**

#### **Edwin E. Osgood Award**

Analysis Of Donor-Recipient Telomere Dynamics in Long –Term Survivors of Allogenic Hematopoietic Cell Transplantation.

*Isbah Khan, University of Washington*

**1:30-1:45 PM**

*Carmel Women's Club*

**WAFMR Young Investigator Award**

Smooth Muscle Cell Depletion of Piezo1 Leads to Impaired Contractile Properties in the Small Bowel

*Geoanna Bautista, University of California Davis School of Medicine*

**1:45 PM-2:00 PM**

*Carmel Women's Club*

**WSPR Abbott Nutrition Lowell Glasgow Student Research Award**

Association Between in Utero Tetrahydrocannabinol Exposure and Increased Risk of Autism Spectrum Disorder.

*Alissa Reed, Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*

**2:00-2:15 PM**

*Carmel Women's Club*

**WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award**

Molecular and Cellular Basis of Lung Disease in Niemann–Pick Disease Type-C1.

*Jorge L. Rodriguez-Gil, Stanford University*

**2:15-2:30 PM**

*Carmel Women's Club*

**WSPR Abbott Nutrition Young Investigator Research Award**

The Genetic Modifier Ptpn14 Promotes Vascular Stability in Hereditary Hemorrhagic Telangiectasia and Other Vascular Conditions

*Daniah Belefrod, University of California Davis*

**2:30-3:00 PM**

*Carmel Women's Club*

**WSPR Stanley Wright Memorial Lecture**

Because All We Have Is Each Other: Why Advocacy Must Be a Foundational Skill for Physicians.

*Ben Hoffman, Oregon Health & Science University*

**3:00-4:00 PM**

*Carmel Women's Club*

**WSPR Joseph St. Geme Jr. Mentorship Award**

**Presenter:** *Evan Giusto, University of California Davis*

**Recipient:** *Satyan Lakshminrusimha, UC Davis Children's Hospital*

**4:00-4:15 PM**

*Carmel Women's Club*

**David Rimoin Lectureship**

**Expanding the Phenotypes Underlying the Skeletal Dysplasias**

*Deborah Krakow, University of California Los Angeles*

**5:15-6:15 pm**

*Carpenter Hall, Sunset Center*

**Western Perinatal Club**

**Oxygen Saturation Targets: Are Neonates Tiny Adults?**

*Satyan Lakshminrusimha, UC Davis Children's Hospital*

**6:00-8:00 pm**

*Carmel Women's Club*

**Saturday, January 18, 2025**

**Endocrinology and Metabolism II**

Prader-Willi Syndrome Drug Trials: What We Know and What's on the Horizon

*State-of-the-Art Speaker: Parisa Salehi, Seattle Children's*

**8:45 AM-9:15 AM**

*Green Room, Sunset Center*

**Neonatology Pulmonary III**

Understanding Bronchopulmonary Dysplasia at a Single-Cell Resolution

*University of Utah Kurt H. Albertine State-of-the-Art Lecture: Xin Sun, University of California San Diego*

**10:15 AM-10:45 AM**

*Conductor's Room, Sunset Center*

**PLENARY  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION**

**Thursday, January 16, 2025  
10:00 AM – 11:45 AM  
*Carmel Women's Club***

*Fred Buckner and W. Conrad Liles, Presiding*

**10:00 WAP/WSCI MAYO SOLEY AWARD**

**Presenter:** *Bradley D. Anawalt, University of Washington*

**Recipient:** *W. Conrad Liles, University of Washington*

**10:15 WAP/WSCI OUTSTANDING INVESTIGATOR AWARDEE**

**EXPLORING ALVEOLAR MACROPHAGE HETEROGENEITY IN ACUTE  
RESPIRATORY DISTRESS SYNDROME**

*Carmen Mikacenic, Benaroya Research Institute*

**11:00 WAP/WSCI DISTINGUISHED LECTURESHIP**

**BACTERIOPHAGE THERAPY FOR DRUG RESISTANT BACTERIAL  
INFECTIONS: FROM BILGE TO BEDSIDE**

*Robert (Chip) Schooley, University of California, San Diego*

**11:45 ADJOURN**

**11:45 WAP-WSCI BUSINESS MEETING**

**CONCURRENT SESSIONS**

**Thursday, January 16, 2025  
12:45 PM – 3:00 PM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

<b>Behavior, Development and Psychology I</b>	<b>Carmel Women’s Club</b>
<b>Cardiovascular I.....</b>	<b>Promenade Lobby</b>
<b>Healthcare Delivery Research I - Community Health Projects.....</b>	<b>Babcock #6</b>
<b>Immunology and Rheumatology I.....</b>	<b>Chapman #4</b>
<b>Infectious Diseases.....</b>	<b>Conductor’s Room</b>
<b>Neonatology – General I.....</b>	<b>Studio 105</b>
<b>Neonatology – Pulmonary I.....</b>	<b>Rehearsal Room</b>
<b>Pediatrics and Adolescent Medicine I.....</b>	<b>Room 5, Sunset Center</b>
<b>Surgery I - Orthopedics .....</b>	<b>Green Room</b>

---

**Behavior, Development and Psychology I**  
Carmel Women's Club  
*Yair Bannett and Jennifer Janusz, Presiding*

**12:45 EFFICIENT ASSESSMENT OF TEMPORAL PROCESSING IN NORMAL HEARING ADULTS.**

*Lillian Whipple, Mark Pettet, Rachel C. Greiner and David L. Horn, Seattle, WA.  
University of Washington School of Medicine (WSMRF)*

Abstract 1

**1:00 A DESCRIPTIVE STUDY OF THE TRENDS IN BAYLEY SCALES OF INFANT AND TODDLER DEVELOPMENT - III SCORES IN THE FIRST 3 YEARS OF LIFE OF LOW BIRTH WEIGHT INFANTS WEIGHING GREATER THAN 1500 GRAMS.**

*Mugil Shanmugam, Harini Thirumalai, Smeeta R. Sardesai and Manoj Biniwale, Los Angeles, CA; Loma Linda, CA. Keck Medicine of USC (WSMRF)*

Abstract 2

**1:15 USING TEMPERAMENT TO INFORM ANTICIPATORY GUIDANCE FOR YOUNG CHILDREN WITH SEX CHROMOSOME TRISOMIES.**

*Megan Louderman, Talia G. Thompson, Rebecca Wilson, Samantha Bothwell, Susan Howell, Karli Swenson and Nicole Tartaglia, Aurora, CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 3



- 1:30 METABOLOMIC PROFILING IN KLINEFELTER SYNDROME: LINKING EARLY LIFE BIOMARKERS TO LATER OUTCOMES.**  
*Shalika Devireddy, Karli Swenson, Nicole T. Tartaglia and Shanlee Davis, Omaha, NE; Aurora, CO. Creighton University School of Medicine (WSPR Abbott Nutrition Subspecialty Award)*  
Abstract 4
- 1:45 VARIATION IN IDENTIFICATION AND MANAGEMENT OF ATTENTION-DEFICIT/HYPERACTIVITY DISORDER IN CHILDREN 4-5-YEARS-OLD ACROSS 8 ACADEMIC INSTITUTIONS: A PEDSNET STUDY.**  
*Yair Barnett, Ingrid Luo, Rodrigo Azuero-Dajud, Heidi M. Feldman and Christopher B. Forrest, Stanford, CA; Philadelphia, PA. Stanford University School of Medicine (WSPR Reckitt/Mead Johnson Junior Faculty Award) (WSPR)*  
Abstract 5
- 2:00 EXPLORING RACIAL DISPARITIES IN MEDICAL TREATMENT OF ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD) IN CHILDREN.**  
*Thao Pham, Jeongmin Choi, Amelia Krogulski, Sophia Le, James Lee, Eshaal Sultan, Kyra Tang, Cecilia Yoon and Behnoosh Afghani, Irvine, CA; Orange, CA. University of California Irvine School of Medicine (WSMRF)*  
Abstract 6
- 2:15 THE EFFECT OF SOCIODEMOGRAPHIC AND CLINICAL FACTORS ON THE TIMING OF INITIATION OF ADHD MEDICATIONS IN SCHOOL-AGED CHILDREN.**  
*Sushma Kasinathan, Lynne C. Huffman, Ingrid Luo and Yair Barnett, Palo Alto, CA. Stanford University*  
Abstract 7
- 2:30 EXTRAORDINARY BABIES STUDY: A LONGITUDINAL STUDY OF EARLY EXECUTIVE FUNCTIONING SKILLS IN TODDLERS WITH SEX CHROMOSOME ANEUPLOIDY.**  
*Morgan M. Jolliffe, Talia G. Thompson, Rebecca Wilson, Samantha Bothwell, Greg Witkin, Judith Ross, Nicole T. Tartaglia and Jennifer Janusz, Aurora, CO; Philadelphia, PA. University of Colorado Anschutz Medical Campus Children's Hospital Colorado*  
Abstract 8
- 2:45 PHOTO-NARRATIVE AS A TRUST-BUILDING INTERVENTION FOR FAMILY AND CLINICIAN CAREGIVERS OF CHILDREN WITH SEVERE NEUROLOGICAL IMPAIRMENT.**  
*Nell E. Baumgarten, Ellie Oslin, Elizabeth Julian, Annie McDermott and Jori Bogetz, Seattle, WA; Milwaukee, WI. University of Washington School of Medicine*  
Abstract 9

## **Cardiovascular I**

Promenade Lobby (Sunset Center)

*Luisa M. Mestroni, Presiding*

### **12:45 IMPACT OF TYPE OF TRANSITION FROM MYCOPHENOLATE-TO-SIROLIMUS ON OUTCOME AFTER HEART TRANSPLANTATION.**

*Sung Ku Kang, Avani Kanungo, Peter Deckerman, Mason Lee, Yosef Manla, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 10

**1:00**

### **A LARGE ANIMAL MODEL OF PERSISTENT ATRIAL FIBRILLATION.**

*Pouria Mostafizi, Eli Lefkowitz, Jacob Ref, Sherry Daugherty, Adrian Grijalva, Jordan Lancaster, Jen W. Koevary, Steven Goldman and Talal Moukabary, Tucson, AZ. The University of Arizona College of Medicine Tucson*

Abstract 11

### **1:15 HLA-ANTIBODY CLASS AND ITS ASSOCIATION WITH CLINICAL OUTCOMES IN SENSITIZED PATIENTS AWAITING HEART TRANSPLANTATION.**

*Jack Haslett, Mason Lee, Avani Kanungo, Peter Deckerman, Yosef Manla, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 12

### **1:30 THE ASSOCIATION OF MODERATE OR SEVERE AORTIC VALVE STENOSIS AND CLINICAL OUTCOMES IN PATIENTS WITH CARDIAC AMYLOIDOSIS.**

*Jayson Hall, Peter Deckerman, Avani Kanungo, Nayana Bhatnagar, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 13

### **1:45 OUTCOMES OF HEART TRANSPLANT RECIPIENTS EXPERIENCING CHAGAS DISEASE REACTIVATION.**

*Wesley Howell, Peter Deckerman, Avani Kanungo, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 14

### **2:00 REGRESSION ANALYSIS OF MYOCARDIAL WALL STRESS AND WALL STRAIN IN A SWINE MODEL OF HEART FAILURE AFTER MYOCARDIAL INFARCTION.**

*Eli Lefkowitz, Jacob Ref, Pouria Mostafizi, Satya Acharya, Sherry Daugherty, Fox W. Bravo, Kenneth Fox, Jordan Lancaster, Jennifer W. Koevary, Tushar Acharya, Michael Moulton, Ryan Avery and Steven Goldman, Tucson, AZ; New York, NY; Omaha, NE; Chicago, IL. The University of Arizona College of Medicine Tucson*

Abstract 15

- 2:15 PROCEDURAL COMPLICATIONS AND INPATIENT OUTCOMES OF LEADLESS PACEMAKER IMPLANTATIONS IN RURAL VERSUS URBAN HOSPITALS IN THE UNITED STATES.**  
*Amanda Nguyen, Muhammad Zia Khan, Waleed Alruwaili, Douglas Darden and Muhammad Bilal Munir, Sacramento, CA; Browns Mills, NJ; Morgantown, WV; Overland Park, KS. UC Davis Health (WAP/WSCI Travel Award)*  
 Abstract 16
- 2:30 HIGHER VS. LOWER DONOR CUMULATIVE SMOKING EXPOSURE AND ITS IMPACT ON CLINICAL OUTCOMES OF HEART TRANSPLANT RECIPIENT.**  
*Peter Deckerman, Avani Kanungo, Mason Lee, Yosef Manla, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*  
 Abstract 17
- 2:45 CARDIAC FUNCTION OF PROTEASOME MUTANT ZEBRAFISH EMBRYOS.**  
*Azzam Azzam, Gist Farr III, Eva Hasegawa and Lisa Maves, Seattle, WA. Seattle Children's Research Institute University of Washington School of Medicine (WSMRF)*  
 Abstract 18
- Healthcare Delivery Research I - Community Health Projects**  
 Babcock #6 (Sunset Center)  
*Mimi S. Kim and Zanthia W. Wiley, Presiding*
- 12:45 LOWER CHILD OPPORTUNITY IN CALIFORNIA IS ASSOCIATED WITH HIGHER RATES OF ELEVATED BLOOD LEAD LEVELS ON A NEIGHBORHOOD LEVEL.**  
*Michelle Paw and Vallent Lee, Colton, CA; Loma Linda, CA. California University of Science and Medicine School of Medicine (WSMRF)*  
 Abstract 19
- 1:00 THE ASSOCIATION BETWEEN SUBSTANCE USE AND ABNORMAL BMI IN WOMEN AGED 18-49 IN INDIA, IPUMS-DHS 2005.**  
*Nitya Rajeshuni, Caleb King, Shreya Gunda, Spencer Phonsombat and Latha Palaniappan, Stanford, CA. Stanford University School of Medicine (WAP/WSCI Travel Award)*  
 Abstract 20
- 1:15 THE ASSOCIATION BETWEEN CHILDHOOD MALNUTRITION AND INTIMATE PARTNER VIOLENCE IN CHILDREN UNDER FIVE IN SOUTH AND SOUTHEAST ASIA: A CROSS-SECTIONAL STUDY USING IPUMS-DHS 2011-2017.**  
*Joelle H. Warden, Sheruni Pilapitiya, Shreya Gunda, Josue D. Ruiz, Latha Palaniappan and Nitya Rajeshuni, Stanford, CA. Stanford University School of Medicine*  
 Abstract 21

- 1:30 INTERDISCIPLINARY DIFFERENCES IN ATTITUDES AMONG HEALTH PROFESSIONS STUDENTS AND FACULTY TOWARDS PEOPLE EXPERIENCING HOMELESSNESS.**  
*Elisabeth Gilmore, Clarice Szeto, Eli Spector, Yusuke Shono and Andrew Pumerantz, Pomona, CA; Claremont, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*  
 Abstract 22
- 1:45 DID COVID-19 AFFECT PEDIATRIC IMMUNIZATION RATES?**  
*Sophia H. Lee and Loren Yamamoto, Honolulu, HI. Hawaii Pacific Health*  
 Abstract 23
- 2:00 PUBLIC PERCEPTION OF BLOOD BASED CANCER SURVEILLANCE – A PILOT STUDY.**  
*Mary J. Keushkerian\*, Rita S. Keushkerian\*, Aren Dermarderosian and Sarmen Sarkissian, Cerritos, CA; Glendale, CA; Los Angeles, CA. University of California Los Angeles (WAFMR)*  
 Abstract 24
- 2:15 ANALYZING RATES AND TRENDS OF INFLUENZA VACCINATION RATES IN LOMA LINDA UNIVERSITY SCHOOL OF MEDICINE (LLUSM)'S STREET MEDICINE FREE CLINIC (SMFC) POPULATION.**  
*Ryan Kenney, Marium Khan, Christopher D. Glevy and Marti Baum, Loma Linda, CA. Loma Linda University School of Medicine*  
 Abstract 25
- 2:30 ANALYZING EMERGENCY ROOM REFERRALS FROM LOMA LINDA UNIVERSITY STREET MEDICINE OUTREACH.**  
*Marium Khan, Christopher D. Glevy, Ryan Kenney and Marti Baum, Loma Linda, CA. Loma Linda University School of Medicine*  
 Abstract 26
- 2:45 PEDIATRIC HEALTH OPPORTUNITY POSITIVELY CORRELATES TO NEIGHBORHOOD WALKABILITY IN LOMA LINDA, CALIFORNIA.**  
*Elise O'Neil, Anilce Castillo Osejo, Joanne Lee and Marti Baum, Loma Linda, CA. Loma Linda University School of Medicine*  
 Abstract 27

### **Immunology and Rheumatology I**

Chapman #4 (Sunset Center)

*Kristen Demoruelle and Maureen McMahon, Presiding*

- 12:45 NEONATAL NET-INHIBITORY FACTOR INHIBITS SYK AND ERK SIGNALING PATHWAYS IN HUMAN NEUTROPHILS.**  
*Kathryn Glaittli, Jacob Taylor, Mark J. Cody, Claudia de Araujo and Christian C. Yost,*

Salt Lake City, UT; Reno, NV. *University of Nevada Reno, University of Utah Health (WSPR Chiesi Medical Student Award)*

Abstract 28

**1:00 ALTERED TRYPTOPHAN METABOLISM IS ASSOCIATED WITH MENTAL ILLNESS AND DISEASE ACTIVITY IN JUVENILE DERMATOMYOSITIS PATIENTS.**

*Abhinav Janappareddi, Yang Wu and Christian Lood, Seattle, WA. University of Washington (WSPR Prolacta Research Award)*

Abstract 29

**1:15 CATATONIA AS A PRESENTING SIGN OF NEUROPSYCHIATRIC LUPUS.**

*Serafina Tulioc and Jennifer Snider, Madera, CA. Valley Children's Healthcare*

Abstract 30

**1:30 EARLY RECOGNITION AND MANAGEMENT OF MDA-5 ASSOCIATED JUVENILE DERMATOMYOSITIS.**

*Ashley Y. Hernandez Gutierrez, Grace Chan, Ashley Crew and Minnelly Luu, Los Angeles, CA. University of Southern California Keck School of Medicine*

Abstract 31

**1:45 TRENDS AND CONTEMPORARY EPIDEMIOLOGY OF MORTALITY RELATED TO PRIMARY IMMUNODEFICIENCY DISEASES IN THE UNITED STATES, 2015-2022.**

*Ernestina Bioh Hansen-Sackey and Fredrick Dapaah-Siakwan, Madera, CA. Valley Children's Healthcare (WAP/WSCI Travel Award) (WAFMR)*

Abstract 32

**2:00 DEVELOPING ASSAYS TO ANALYZE CITRULLINATION OF ALBUMIN IN RHEUMATOID ARTHRITIS.**

*Archana Einstein, Cecilia Mustelin and Tomas Mustelin, Spokane, WA; Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 33

**2:15 A DEEP-LEARNING BASED APPROACH UNCOVERS NOVEL MEDIATORS OF MIRNA RESTRAINT OF TYPE-2 IMMUNITY.**

*Shaan Sekhon, Robin Kageyama, Neil Sprenkle, Hannah Happ, Eric Wigton, Heather Pua and Mark Ansel, San Francisco, CA; Elk Grove, CA; Nashville, TN. University of California San Francisco California Northstate University College of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award) (WSMRF)*

Abstract 34

**2:30 FROM BLISTERS TO UNRAVELING THE PURPLE PLIGHT: IGA'S UNPREDICTABLE COURSE IN AN ELDERLY MALE.**

*Sharanya Thiagarajan, Armine Martirosyan, Rohin Dhir, Ashot Minasyan, Aram Gabrielyan and Nirupama Vemuri, Porterville, CA. Sierra View Medical Center*

Abstract 35

**2:45 SEVERE HEMORRHAGIC BULLOUS AND ULCERATIVE IGA VASCULITIS (HENOCH-SCHÖNLEIN PURPURA) IN A PEDIATRIC PATIENT: A CASE REPORT.**

Catherine Y. Cong, *Mary S. Didde*, Steven Foster and Jennifer Snider, Fresno, CA; Madera, CA. *University of California San Francisco Department of Medicine Fresno*

Abstract 36

**Infectious Diseases**

Conductor's Room

*Fred Buckner and Arash Heidari, Presiding*

**12:45 INCIDENCE AND KINETICS OF BLOODSTREAM INFECTIONS AND CYTOKINE RELEASE SYNDROME, AND BIOMARKERS TO DIFFERENTIATE THEM AFTER CHIMERIC ANTIGEN RECEPTOR-MODIFIED-T-CELL IMMUNOTHERAPY.**

*Sai Kit Ng*, Patrick W. Flaherty, Melissa Ancheta, Hu Xie, Wendy M. Leisenring, Jordan Gauthier, Emily C. Liang and Joshua A. Hill, Seattle, WA. *University of Washington School of Medicine Fred Hutchinson Cancer Center Vaccine and Infectious Disease Division (WAFMR Trainee Award) (WAFMR)*

Abstract 37

**1:00 NON-INVASIVE DETECTION OF INFLUENZA VIA EXHALED VOLATILE ORGANIC COMPOUND PROFILES USING A VOLATILE ORGANIC COMPOUND-BASED E-NOSE DEVICE.**

*Basel Taha*, Robert Taylor, Sapphire Persinger, Keith Lucero, Silas Bussmann, Brent Holbrook and Justin Baca, Albuquerque, NM. *University of New Mexico School of Medicine*

Abstract 38

**1:15 HUMAN CYTOMEGALOVIRUS PROTEIN PP71 DISRUPTS PRODUCTION OF PERIPHERAL MYELIN PROTEIN ZERO, AFFECTING MYELIN SHEATH PRODUCTION AND CONTRIBUTING TO LATE-ONSET HEARING LOSS IN CONGENITAL INFECTION.**

*Zahraa Alomar* and Lee Fortuanto, Seattle, WA; Moscow, ID. *University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 39

**1:30 DOWN-REGULATION OF FATTY ACID SYNTHASE (FASN) AND UPREGULATION OF CHOLESTEROL 25-HYDROXYLASE AS A MEANS OF IMPEDING MPOX INFECTION.**

Saba Aliyari, *Jean Shanaa*, Daniel Yu, Mari Yamamoto, Kaitlyn Bateman, Lulan Wang and Genhong Cheng, Los Angeles, CA; Elk Grove, CA. *California Northstate University College of Medicine*

Abstract 40

**1:45 FIRST DOCUMENTED CASE OF MPOX IN ADVANCED AIDS WITH MULTIPLE CONCURRENT OPPORTUNISTIC INFECTIONS IN KERN COUNTY: A CASE REPORT.**

Linh Tran, *Sanjana Murdande*, Asad Mohammad Jani, Colby Kulyn, Cesar Aranguri, Kasey Fox, Carlos D'Assumpcao, Augustine Munoz and Shikha Mishra, Bakersfield, CA. *Kern Medical Center*

Abstract 41

**2:00 A MULTIPLEXED FLUORESCENT MICROSPHERE IMMUNOASSAY OF IGG ANTIBODIES TO THE INDIVIDUAL GLYCOSE ANTIGENS OF THE NEISSERIA LIPOOLIGOSACCHARIDE A CHAIN IN CLIENTS OF AN STI CLINIC.**

*Stephanie E. McLaughlin* and J. M. Griffiss, Seattle, WA; San Francisco, CA. *University of Washington (WAP/WSCI Travel Award)*

Abstract 42

**2:15**

**IDENTIFICATION OF SIGNALING LIGANDS FOR THE WALK SENSOR HISTIDINE KINASE.**

*Rasha Alnajjar*, Myrica Romero and Hendrik Szurmant, Pomona, CA. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)*

Abstract 43

**2:30 AN OVERVIEW OF SMART WOUND DRESSINGS: THE POTENTIAL OF INTEGRATED TECHNOLOGIES.**

*Claudy Sarpong*, Isabella Oh, Joseph M. Larson, Nitya Devisetti and Subhas G. Gupta, Loma Linda, CA; Newark, NJ. *Loma Linda University*

Abstract 44

**2:45 A CASE OF VIBRIO CHOLERA FROM CENTRAL CALIFORNIA.**

*Sukhjinder Sandhu*, Harsukh-Nidhan Dhillon and Arash Heidari, Bakersfield, CA; Atlanta, GA. *Bakersfield Memorial Hospital Bakersfield College*

Abstract 45

**Neonatology General I**

Studio 105 (Sunset Center)

*Viviana F. Fajardo and Ivonne E. Sierra-Strum, Presiding*

**12:45 A PILOT RANDOMIZED DOSE-COMPARISON STUDY OF DARBEPOETIN ADMINISTERED TO PRETERM INFANTS.**

*Tim Bahr*, Robert D. Christensen, Danielle Scott and Robin K. Ohls, Salt Lake City, UT; Murray, UT. *University of Utah Health (WSPR Reckitt/Mead Johnson Junior Faculty Award) (WSPR)*

Abstract 46

- 1:00 WHO PAYS THE MOST FOR NEONATAL INTENSIVE CARE? AN ANALYSIS OF THE OUT-OF-POCKET COST BURDEN BORNE BY NICU FAMILIES.**  
*Noelle Gorke, Ciaran Phibbs and Jochen Profit, Stanford, CA. Stanford Medicine Stanford University School of Medicine (WSPR Prolacta Research Award)*  
Abstract 47
- 1:15 UNDERSTANDING PARENT PERSPECTIVES OF RESEARCH IN THE NEONATAL INTENSIVE CARE UNIT.**  
*Melissa Coloma, Brandon Nguyen, Louie Swander, Egbert Villegas, Adam Numis, Patrick McQuillen, Shabnam Peyvandi, Elizabeth E. Rogers, Elizabeth Crouch and Mercedes Paredes, San Francisco, CA; Henderson, NV. University of California San Francisco*  
Abstract 48
- 1:30 EXCLUSIVE PARENT'S OWN MILK DIET DOES NOT IMPACT GASTROINTESTINAL OUTCOMES IN PRETERM INFANTS WITH SPONTANEOUS INTESTINAL PERFORATION AND NECROTIZING ENTEROCOLITIS.**  
*Mary C. Thomas, Taylor Hendrixson and Katie M. Strobel, Seattle, WA. University of Washington School of Medicine, University of Washington Department of Pediatrics*  
Abstract 49
- 1:45 OUTCOMES OF INFANTS RECEIVING PREMEDICATION DURING SURFACTANT ADMINISTRATION VIA LESS INVASIVE SURFACTANT ADMINISTRATION AND INTUBATION-SURFACTANT-EXTUBATION.**  
*Savanah Gallegos, Japmeet K. Sandhu, Sheryar Siddiqui, Emilio Feliz Sala, Rangasamy Ramanathan and Manoj Biniwale, Los Angeles, CA; Orange, CA. Los Angeles General Medical Center*  
Abstract 50
- 2:00 NATIONAL TRENDS AND RACIAL AND ETHNIC DISPARITIES IN PERINATAL HEALTH OUTCOMES AND EXPERIENCES BEFORE AND DURING THE COVID-19 PANDEMIC.**  
*Joanna Shad, Blair Weikel and Sunah Hwang, Aurora, CO. University of Colorado Anschutz Medical Campus School of Medicine (WSMRF)*  
Abstract 51
- 2:15 UMBILICAL CORD MANAGEMENT IN PRETERM INFANTS AND NEONATAL OUTCOMES.**  
*Sarah A. Martin and Tara DuPont, Salt Lake City, UT. University of Utah Hospital (WSPR)*  
Abstract 52
- 2:30 SOCIAL DETERMINANTS AND LONG-TERM NEURODEVELOPMENTAL OUTCOMES OF INFANTS BORN  $\leq 32$  WEEKS GESTATIONAL AGE TO MOTHERS WITH MENTAL HEALTH DISORDERS IN AN URBAN NEONATAL**



**INTENSIVE CARE UNIT.**

*Anya Alag, Megan A. Chang, Lorayne Barton, Smeeta R. Sardesai and Manoj Biniwale, Los Angeles, CA; Long Beach, CA. University of Southern California Keck School of Medicine*

Abstract 53

**2:45 EMPOWERING MOTHERS FOR BREASTFEEDING RETENTION AND COUNSELING ON EXCLUSIVITY (EMBRACE).**

*Kate M. Santoso, Jessica Lutz, Jennifer Merrill, Sarah Chan, Jocelyn Griffin, Rachael Kim, Marisa Van Patten, Jordene Daley, Jade Roberts and Elaine Hart, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 54

**Neonatology Pulmonary I**

Rehearsal Room (Sunset Center)

*Cassidy Delaney and Eniko Sajti, Presiding*

**12:45 EXPLORING THE RELATIONSHIP BETWEEN PRENATAL LUNG VOLUMES AND POSTNATAL LUNG PERFUSION IN INFANTS WITH CONGENITAL DIAPHRAGMATIC HERNIA.**

*Katrin Lichtsinn, Carrie Foster, Sandy Johng, Sakura Noda, Mihai Puia-Dumitrescu and Rebecca Stark, Seattle, WA. Seattle Children's Hospital (WSPR)*

Abstract 55

**1:00 LIPIDOMIC ALTERATIONS AT BIRTH AND PREDISPOSITION TO BRONCHOPULMONARY DYSPLASIA.**

*Jonathan Reiss, Thanaphong Phongpreecha, Casandra Trowbridge, Basil Michael, Samuel Lancaster, Maya Kasowski, Michael Snyder, Ivana Maric, David K. Stevenson, Nima Aghaeepour, Karl Sylvester and Gary M. Shaw, Stanford, CA; Palo Alto, CA. Stanford University (WSPR)*

Abstract 56

**1:15 THE ROLE OF MECHANICAL COMPRESSION IN CONGENITAL DIAPHRAGMATIC HERNIA-ASSOCIATED LUNG DEFECTS WITH GATA4 LOSS OF FUNCTION.**

*Betty Pham, Zhuowei Li, Nicole Talaba, Giangela Stokes, Mark Wienhold, Rebecca Hernan, Wendy Chung and David McCulley, La Jolla, CA; San Diego, CA; Boston, MA; Madison, WI. University of California San Diego Rady Children's Hospital San Diego (WSPR Reckitt/Mead Johnson Subspecialty Award) (WSPR)*

Abstract 57

**1:30 SURFACTANT-DRIVEN MACROPHAGE DIFFERENTIATION AND HYPEROXIA RESPONSE: IMPLICATIONS FOR BRONCHOPULMONARY DYSPLASIA THERAPY.**

*Pei Lin, Fenghua Zeng, Sean A. Jansky, Karen Mestan and Eniko Sajti, La Jolla, CA. University of California San Diego*

**1:45 CONTINUOUS INFUSION OF RECOMBINANT HUMAN IGF-1 COMPLEX IMPROVES CAPILLARY GROWTH IN THE DISTAL ILEUM OF MECHANICALLY VENTILATED PRETERM LAMBS.**

*Jakob Van Boerum, Andrew Rebentisch, Audrey Hendaro, Emily Major, Zoë Vordos, Kira Johansen, E Dawson, Tori Chapman, Matt Douglass, Norman Barton, Victoria Niklas, Mark McHale, Donald Null, Robert Ward, Mar J. Dahl and Kurt Albertine, Salt Lake City, UT; Altrincham, United Kingdom. University of Utah Health (WSMRF)*

Abstract 59

**2:00 CHIESI STATE-OF-THE-ART SPEAKER:  
A WRINKLE IN TIME: LUNG DEVELOPMENT AND DISEASE IN FOUR DIMENSIONS.**

*Jennifer M. Sucre, Vanderbilt University Medical Center*

**2:30 ENHANCING LUNG AUTOPHAGY COULD BE A PREVENTIVE STRATEGY AGAINST MATERNAL E-CIGARETTE-ASSOCIATED OFFSPRING PULMONARY MORBIDITY.**

*Noushin Lotfi, Ying Wang, Gourav Chandan, Jie Liu, Sabrina L. Madrigal, Celia Yu, Harvey Perez, Reiko Sakurai, Omid Akbari and Virender K Rehan, Torrance, CA; Los Angeles, CA. Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center*

Abstract 60

**2:45 EFFECTS OF SURFACTANT ADMINISTRATION AND VENTILATION ON CEREBRAL AND PULMONARY OXYGENATION IN PRETERM INFANTS USING NEAR-INFRARED SPECTROSCOPY (NIRS).**

*Ivonne E. Sierra-Strum, Manoj Biniwale, Piyawat Arichai and Rangasamy Ramanathan, Los Angeles, CA. Los Angeles General Medical Center University of Southern California Keck School of Medicine (WSPR)*

Abstract 61

**Pediatrics and Adolescent Medicine I**

Room 5 (Sunset Center)

*Nicole T. Tartaglia, Presiding*

**12:45 FAMILIES' LIVED EXPERIENCE OF VENTRICULAR ASSIST DEVICES.**

*Elisabeth Grosvenor, Ravi Bajpai, Alaa Youssef, Zoel Quinonez, Seth Hollander, Kim Pyke-Grimm and Danton Char, Stanford, CA. Stanford Medicine*

Abstract 62

**1:00 QUALITATIVE METHODS PROVIDE UNIQUE INSIGHT ON FEASIBILITY AND ACCEPTABILITY OF ADOLESCENT BEHAVIORAL HEALTH INTERVENTIONS.**

Talia G. Thompson, Katherine A. Thompson, Holly K. Spinner, Bentley Porterfield-Finn, Isabel Thorstad, Lauren D. Gulley, Rachel G. Lucas-Thompson, Laura Pyle, Doris E. Estrada, Marian Tanofsky-Kraff, Megan Kelsey, Eleanor Mackey and Lauren Shomaker, Bethesda, MD; Aurora, CO; Fort Collins, CO; Washington, . *University of Colorado Anschutz Medical Campus Department of Medicine Children's Hospital Colorado (WSPR Abbott Nutrition Subspecialty Award) (WSPR)*

Abstract 63

**1:15 SLIPPED CAPITAL FEMORAL EPIPHYSIS DIAGNOSTIC TIMES AND PATIENT CHARACTERISTICS.**

*Ben Stothers, Renee Boldut, Danica Fontana, Aayush Malhotra, Emily Schaeffer and Kishore Mulpuri, Vancouver, BC, Canada. BC Children's Hospital*

Abstract 64

**1:30 SLEEP AND PHYSICAL ACTIVITY HEALTH BEHAVIORS RELATE TO EXERCISE CAPACITY IN ADOLESCENTS AND YOUNG ADULTS WITH KLINEFELTER SYNDROME.**

*Emma Todd, Karli Swenson, Samantha Bothwell and Shanlee Davis, Aurora, CO. Children's Hospital Colorado*

Abstract 65

**1:45 PEDIATRICS AND ADOLESCENT MEDICINE STATE-OF-THE-ART SPEAKER: ADDING VALUE TO THE DESIGN, CONDUCT, AND REPORTING OF CHILD HEALTH CLINICAL RESEARCH.**

*Martin Offringa, The Hospital for Sick Children*

**2:15 IMPROVING SEXUAL AND REPRODUCTIVE HEALTH LITERACY AMONG ADOLESCENT GIRLS IN RURAL NEPAL.**

*Danlin Zeng, Lisa Nakajima, Sophia Sidi, Gilbert Lee, Precilia Kong, Talia Del Medico, Agnes Ho, Suraya Bondy, Joshua Cunningham, Sheekha Kumal, Dinesh Raj Sapkota and Videsh Kapoor, Vancouver, BC, Canada; Dang District, Nepal. The University of British Columbia*

Abstract 66

**2:30 GYNECOLOGY CONCERNS FOR CHILDREN AND ADOLESCENTS WITH VASCULAR ANOMALIES: A RETROSPECTIVE ANALYSIS.**

*Anna Ujvary, Maya Younoszai, Xing Wang and Katherine Debiec, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 67

**2:45 COGNITION AND EATING BEHAVIORS IN YOUTH WITH CRANIOPHARYNGIOMA: A PILOT STUDY.**

*Bailey Tanner, Greta Wilkening, Todd Hankinson, Christina Chambers and Allison Shapiro, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 68

## **Surgery I - Orthopedics**

Green Room (Sunset Center)

*Subhas G. Gupta and Lee W. Wong, Presiding*

### **12:45 ANALYSIS OF BIOMECHANICS IN YOUTH BASEBALL PITCHERS BEFORE AND AFTER A TOTAL MOTION RELEASE PROTOCOL.**

*John Gregory, Alyssa T. Randall and Nickolai Martonick, Seattle, WA; Moscow, ID. University of Washington School of Medicine University of Idaho*

Abstract 69

### **12:55 CORRELATIONS DURING GAIT BETWEEN CLOSED CHAIN DORSIFLEXION AND FRONTAL PLANE PELVIS AND HIP KINEMATICS.**

*Kaden M. Kunz, David G. Kirk, John Wadner and Nickolai Martonick, Seattle, WA; Moscow, ID. University of Washington University of Idaho*

Abstract 70

### **1:05 CLINICAL TRANSLATIONAL SWINE MODEL FOR ROTATOR CUFF INJURY AND REPAIR.**

*Tony Eskandar, Mohamed M. Radwan and Devendra K. Agrawal, Pomona, CA. Western University of Health Sciences (WSMRF)*

Abstract 71

### **1:15 A CRITICAL ANALYSIS OF THE FACTORS CONTRIBUTING TO ANTERIOR CRUCIATE LIGAMENT INJURIES IN FEMALE ATHLETES.**

*Bahram Saber, Daniel Bridger and Devendra K. Agrawal, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)*

Abstract 72

### **1:25 A RETROSPECTIVE COMPARISON OF INTERNAL FIXATION VERSUS ARTHROPLASTY FOR FEMORAL NECK FRACTURES IN NON-GERIATRIC PATIENTS.**

*Kyle Jamar and Joshua A. Parry, Aurora, CO; Denver, CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 73

### **1:35 INFRARED THERMOGRAPHY TO ASSESS SOFT TISSUE INTEGRITY IN HIGH-RISK ORTHOPAEDIC INJURIES: A PRELIMINARY CASE SERIES AND TECHNICAL NOTE.**

*Ryan C. Ross, Jacob D. Schultz, Andres F. Moreno Diaz, Ridge Maxson, Joseph Cave and Daniel J. Stinner, Nashville, TN; Los Angeles, CA. University of Southern California Keck School of Medicine Vanderbilt University Medical Center (WSMRF)*

Abstract 74

### **1:45 CHITOSAN-POLYVINYL ALCOHOL HYBRID HYDROGELS FOR TENDON REGENERATION.**

*Shivam Patel, Jeremy Pan, An Phong Nguyen and Finosh G. Thankam, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 75

**1:55 EVALUATING SURGICAL CONVERSION RATES FOR HAND FRACTURES: A DECADE OF DATA ON FRACTURE TYPES AND THEIR IMPACT ON SURGICAL PLANNING.**

*Anna Garrison, Gregory Vance and Marc Walker, Lebanon, OR; Jackson, MS; Boston, MA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest (WSMRF)*

Abstract 76

**2:05 DOES TRAMADOL AND A STEROID DOSE PACK PROVIDE SIMILAR PAIN CONTROL AS OXYCODONE/HYDROCODONE AFTER ANKLE FRACTURE FIXATION?.**

*Isabella Crisostomo and Joshua Parry, Aurora, CO; Denver, CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 77

**2:15 IS THERE AN INCREASED RISK OF VENOUS THROMBOEMBOLISM IN ACTIVE LITHIUM USERS UNDERGOING MAJOR ORTHOPAEDIC SURGERY.**

*Jacob K. Sawyer and Joshua Parry, Aurora, CO; Denver, CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 78

**2:25 THE FORGOTTEN JOINT SCORE IN PATIENTS UNDERGOING DIRECT ANTERIOR HIP VS KINEMATICALLY-ALIGNED MEDIAL-PIVOT KNEE ARTHROPLASTY: DO THEY EQUILIBRATE?**

*Abigail Manning and David Scott, Seattle, WA; Spokane, WA. University of Washington School of Medicine (WSMRF)*

Abstract 79

**2:35 LESS TALK MORE CHALK: A RETROSPECTIVE REVIEW OF ROCK CLIMBING-RELATED TRAUMA.**

*Hanien Samara, Austin Henken-Siefken and Andrew McCague, Pomona, CA; Palm Springs, CA. Western University of Health Sciences*

Abstract 80

**2:45 NEWLY RECOGNIZED PES ANSERINUS; CONVERGENCE OF TENDONS INFLUENCING MEDIAL LONGITUDINAL ARCH FROM NOVEL GAX-SPECIMENS AND FORMALIN-FIXED DONOR CADAVERS.**

*Alexander Olden, Rania Djemil, Dennis K. Nguyen and Brion Benninger, Lebanon, OR; Corvallis, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*

Abstract 81

**CONCURRENT SESSIONS**

**Thursday, January 16, 2025  
3:15 PM – 5:45 PM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

**Cardiovascular II.....Promenade Lobby  
Diversity, Equity, Inclusion Research I.....Conductor’s Room  
Healthcare Delivery Research II.....Room 5, Sunset Center  
Hematology and Oncology I.....Green Room  
Neonatology – General II.....Carmel Women’s Club  
Neonatology – Pulmonary II.....Rehearsal Room  
Neuroscience I.....Chapman #4  
Pulmonary and Critical Care I.....Studio 105  
Surgery II - Plastic Surgery.....Babcock Room #6**

---

**Cardiovascular II**

Promenade Lobby (Sunset Center)

*Robert S. Ross, Presiding*

**3:15 IMPACT OF SIZE MATCHING ON OUTCOMES OF LEFT VENTRICULAR ASSIST DEVICE PATIENTS UNDERGOING HEART TRANSPLANTATION USING YOUNGER DONOR HEARTS.**

*Dami Park, Avani Kanungo, Peter Deckerman, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 82

**3:30 IMPROVEMENT IN ATRIAL AND VENTRICULAR ARRHYTHMIA BURDEN IN PATIENTS UNDERGOING LEFT VENTRICULAR ASSIST DEVICE IMPLANTATION.**

*Matthew D. Tran, Avani Kanungo, Peter Deckerman, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 83

**3:45 PREDNISONE WEANING AND ITS ASSOCIATION WITH CLINICAL OUTCOMES IN HEART TRANSPLANT RECIPIENTS ON RENAL SPARING PROTOCOL.**

*Grace Tran, Peter Deckerman, Avani Kanungo, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 84

- 4:00 USE OF GUIDELINE-DIRECTED MEDICAL THERAPY AND ITS ASSOCIATION WITH CLINICAL OUTCOMES IN PATIENTS WITH LEFT VENTRICULAR ASSIST DEVICES.**  
*Anand T. Shah, Avani Kanungo, Peter Deckerman, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*  
Abstract 85
- 4:15 INVESTIGATING SEX DIFFERENCES IN DILATED CARDIOMYOPATHIES CAUSED BY TITIN MUTATIONS.**  
*Maydha Kumar, Grace Spillers, Sarah Bruner, Tristan Cobb, Matthew Taylor, Luisa M. Mestroni and Brisa Peña, Denver, CO; Aurora, CO. University of Colorado Denver*  
Abstract 86
- 4:30 DIFFERENTIATION OF LEFT VENTRICULAR STROMAL CELLS TOWARD CARDIOMYOCYTE-LIKE PHENOTYPE.**  
*Carson Louie, Devi Patel, Urja Patel and Finosh G. Thankam, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*  
Abstract 87
- 4:45 LOSS OF ESTROGEN INDUCES ECCENTRIC REMODELING AND IMPAIRS RIGHT VENTRICLE SYSTOLIC FUNCTION IN FEMALE MICE.**  
*Sabrina Gay, Jessica Begley, Marjie Schmitt and Danielle R. Bruns, Seattle, WA; Laramie, WY. University of Washington School of Medicine (WSMRF)*  
Abstract 88
- 5:00 ASSESSMENT OF DIAGNOSTIC ADEQUACY OF ARTIFICIAL INTELLIGENCE-GUIDED POINT OF CARE ECHOCARDIOGRAPHY AMONG ANESTHESIOLOGY TRAINEES.**  
*Timothy T. Tang, Lauren S. Pineda, Hyunsoo Park, Lauren Bitterman, Richard Applegate, Patricia Applegate and Melissa McCabe, Loma Linda, CA. Loma Linda University*  
Abstract 89
- 5:15 A DISINTEGRIN AND METALLOPROTEASE 17 AS A PROMISING REGULATOR OF HIGH MOBILITY GROUP BOX 1 PROTEIN INDUCED FIBROGENESIS IN PEDIATRIC HEART FAILURE.**  
*Ryan J. Clayborn, Amanda Revoredo Vicentino, Carmen Sucharov, Brian Stauffer and Shelley Miyamoto, Aurora, CO; Williamsburg, VA. University of Colorado Anschutz Medical Campus William & Mary (WAFMR/WAP/WSCI Student Subspecialty Award)*  
Abstract 90
- 5:30 TEMPORAL TRENDS AND SEX DIFFERENCES IN RIGHT VENTRICULAR DYSFUNCTION: INSIGHTS FROM MOUSE MODELS.**  
*Jessica Begley, Sabrina Gay, Marjie Schmitt and Danielle R. Bruns, Seattle, WA; Laramie, WY. University of Washington School of Medicine (WSMRF)*  
Abstract 91

## **Diversity, Equity, Inclusion Research I**

Conductor's Room

*Behnoosh Afghani and Hendrik Szurmant, Presiding*

### **3:15 THE IMPACT OF RACE AND ETHNICITY ON 1-YEAR MORTALITY FOR CONGENITAL DIAPHRAGMATIC HERNIA.**

*Stephanie Tsoi, Martina Steurer and Roberta Keller, San Francisco, CA. University of California San Francisco (WAFMR Trainee Award) (WSPR)*

Abstract 92

### **3:30 DISPARITIES IN TOBACCO CESSATION AMONG IMMIGRANTS AND POTENTIAL BARRIERS TO CARE.**

*Raymond Hsu and Sebastian Tong, Seattle, WA. University of Washington School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award) (WSMRF)*

Abstract 93

### **3:45 DISPROPORTIONALITY IN ARTIFICIAL INTELLIGENCE IMAGE GENERATION OF PHYSICIAN SKIN TONES.**

*Lauren Butler and Vallent Lee, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 94

### **4:00 INPATIENT VERSUS OUTPATIENT LOCATION OF PALLIATIVE RADIOTHERAPY CONSULT: THE IMPACT OF RACE/ETHNICITY.**

*Anthony K. Heng, Ted Gooley, Simon S. Lo, Jonathan T. Yang, Erin F. Gillespie, Lia Moriguchi Halasz and Yolanda D. Tseng, New York, NY; Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 95

### **4:15 TREATMENT OF ACNE KELOIDALIS NUCHAE IN A SOUTHERN CALIFORNIA POPULATION.**

*Kimberly Smart, Ivan Rodriguez and Scott Worswick, Los Angeles, CA. University of Southern California Keck School of Medicine*

Abstract 96

### **4:30 RACIAL AND ETHNIC DISPARITIES IN PAIN MANAGEMENT OF PEDIATRIC LONG BONE FRACTURES IN THE EMERGENCY DEPARTMENT.**

*Dylan Mai, Sheraz Anis, Akshara Gobbur, Rachel Lee, Kerui Li, Madison Nuwey, Pushpita Roy, Sam Shamloo and Behnoosh Afghani, Irvine, CA; Orange, CA. University of California Irvine School of Medicine (WSMRF)*

Abstract 97

### **4:45 DEVELOPMENT OF AN INTERVIEW GUIDE TO UNDERSTAND THE EXPERIENCES OF SEXUAL AND GENDER MINORITIES WITH CUTANEOUS T-CELL LYMPHOMA.**



Kyle Turner and Michi Shinohara, Seattle, WA. *University of Washington School of Medicine (WSMRF)*

Abstract 98

**5:00 DECREASING INEQUITIES IN RESEARCH PARTICIPATION: SPANISH TRANSLATION AND ADAPTATION OF A FAMILY-CENTERED INTERVENTION IN THE NICU.**

*Diego Molina Ochoa, Evelyn Sagastume, Cynthia McEvoy, Kristen Mackiewicz-Seagate, Devlynne S. Ondusko and Emily Garavatti, Portland, OR. Oregon Health & Science University*

Abstract 99

**5:15 RACIAL DISPARITIES IN GLAUCOMA PREVALENCE, SEVERITY AND SURGICAL TREATMENT: A COMPREHENSIVE LITERATURE REVIEW.**

*Hannah Cho, Saanvi Subherwal, Ethan Swarat, Hrishikesh Villur, Clarice Xu, Oscar Yin, Ashley Zhang, Andrew Zhao and Behnoosh Afghani, Irvine, CA; Orange, CA. University of California Irvine School of Medicine (WSMRF)*

Abstract 100

**5:30 EVALUATING TREATMENT EFFICACY AND ACCESSIBILITY FOR DEVELOPMENTAL OUTCOMES IN CHILDREN WITH PRENATAL SUBSTANCE EXPOSURE: A SCOPING REVIEW.**

*Olivia B. Peterson, Michelle Kuhn and Mary Charleson, Seattle, WA. University of Washington School of Medicine*

Abstract 101

**Healthcare Delivery Research II**

Room 5 (Sunset Center)

*Annie D. Niehaus and David Stevenson, Presiding*

**3:15 LONG-TERM EFFECTIVENESS OF A PERIOPERATIVE CLINICAL CARE PATHWAY FOR CLEFT PALATE REPAIR.**

*Hyeqa Ahmad, Robertson Harrop, Frankie Fraulin, Rebecca Hartley, Yoga Dhanapala and Thomas R. Cawthorn, Edmonton, Canada; Calgary, Canada. University of Alberta Faculty of Medicine & Dentistry (WSMRF)*

Abstract 102

**3:30 COGNITIVE LOAD DURING NEONATAL RESUSCITATION PROGRAM TRAINING IN THE EMERGENCY DEPARTMENT: RAPID CYCLE DELIBERATE PRACTICE VERSUS POST-SIMULATION DEBRIEF.**

*Kathleen Tedesco, Mugil Shanmugam, Melissa L. Wilson, Manoj Biniwale and Fiona B. Wertheimer, Los Angeles, CA. University of Southern California Los Angeles General Medical Center*

Abstract 103

- 3:45 DIFFERENCES IN RATES OF COMPLICATIONS BY RACE AND ETHNICITY IN CHILDREN DISCHARGED ON OUTPATIENT PARENTERAL ANTIMICROBIAL THERAPY.**  
*Myranda Nguyen, Scott J. Weissman, Adam W. Brothers, Daniel J. Pak, Derry McDonald, Matthew P. Kronman and Victoria J. Konold, Seattle, WA. University of Washington (WSMRF)*  
 Abstract 104
- 4:00 PEDSAVES: PEDIATRIC-SPECIFIC ADVERSE EVENT REPORTING SYSTEM FOR PAEDIATRIC ORTHOPAEDIC SURGERY.**  
*Benjamin Nazif, Mckenzie Young, Maria Keenan and Andrea Simmonds, Vancouver, , Canada. BC Children's Hospital*  
 Abstract 105
- 4:15 TYPE 2 DIABETES FACTORS AND INPATIENT REHABILITATION OUTCOMES AMONG PATIENTS WITH TRAUMATIC BRAIN INJURY?**  
*Agatha Maie Taneza, Shanpin Fanchiang, Theodore Friedman, Mari Tobita and Barry Jordan, Los Angeles, CA; Downey, CA. Charles R Drew University of Medicine and Science*  
 Abstract 106
- 4:30 EXPANSION OF A FULL-TIME DEDICATED TELENEO CRITICAL CARE SERVICE ENHANCES NEWBORN PATIENT CARE AT LEVEL 1 AND 2 NURSERIES.**  
*Stephen D. Minton, Erin Zinkhan, Rosemary Valencia, Michelle Halgren, Jason C. Cox, Julie Martinez, Nicholas R. Carr and Elizabeth O'Brien, Salt Lake City, UT. Intermountain Healthcare University of Utah Hospital*  
 Abstract 107
- 4:45 BIRTH TRAUMA: THEMATIC ANALYSIS OF TRAUMATIC EXPERIENCES REVEALED ON SOCIAL MEDIA.**  
*Julia Camilleri and Anita L. Nelson, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*  
 Abstract 108
- 5:00 FEASIBILITY OF HOME-BASED RAPID DIAGNOSTIC TESTING FOR HIV, BLOOD GLUCOSE AND BLOOD PRESSURE IN SOUTH AFRICA, ZAMBIA, AND KENYA.**  
*Carolyn Oliver, Meagan Bemer, Amber Lauff, Jenn Morton, Shawna Cooper, Hilton Humphries, Anjali Sharma, Derek Pollard, Anna Winters, Alastair van Heerden, Elizabeth Bukusi, Dino Rech and Paul Drain, Seattle, WA; Pretoria, South Africa; Lusaka, Zambia; Nairobi, Kenya. University of Washington School of Medicine (WSMRF)*  
 Abstract 109
- 5:15 THE EFFECT OF RAPID CYCLE DELIBERATE PRACTICE VERSUS POST-SIMULATION DEBRIEF ON SHORT TERM KNOWLEDGE RETENTION OF**

**NEONATAL RESUSCITATION PROGRAM.**

*Mugil Shanmugam, Kathleen Tedesco, Melissa L. Wilson, Manoj Biniwale and Fiona B. Wertheimer, Los Angeles, CA. Keck Medicine of USC (WSMRF)*

Abstract 110

**5:30 RESOURCE UTILIZATION FOR CODE STROKES: INSIGHT FROM A STROKE CENTER.**

*Kayla Nakashima, Erwin Ho, Shane Toma, Kasha Chen, Ryan Sabour, Christopher Sahagian, Eugene Shin, Joshua Wright, Roozbeh Houshyar and Charles Li, Irvine, CA. University of California Irvine*

Abstract 111

**Hematology and Oncology I**

Green Room (Sunset Center)

*Thomas D. Deloughery and W. Conrad L. Liles, Presiding*

**3:15 NEIGHBORHOOD SOCIOECONOMIC STATUS AND ACUITY OF INITIAL PRESENTATION IN CHILDREN WITH ACUTE LEUKEMIA.**

*Chynna Swift, Earl Chism, Katherine Lin and Lena E. Winestone, San Francisco, CA. University of California San Francisco (WSPR Prolacta Research Award)*

Abstract 112

**3:30 TARGETING LONP1 ACTIVITY IN HUMAN MACROPHAGES PROMOTES AN ANTI-TUMOR RESPONSE IN BREAST CANCERS.**

*Cameron Ostrout, Thomas Rodriguez and Eslam Mohamed, Elk Grove, CA; Loma Linda, CA. California Northstate University (WAFMR)*

Abstract 113

**3:45 E-CIGARETTE EXPOSURE PROMOTES AN INFLAMMATORY BONE MARROW MICROENVIRONMENT IN RAT BONE MARROW AND HUMAN PERIPHERAL BLOOD CELLS.**

*Joshua Kim, Jeffrey Xiao, Brandon Park, Cedric D. Kwon, Laren Tan, Mark Reeves and Yi Xu, Loma Linda, CA; Riverside, CA. Loma Linda University School of Medicine*

Abstract 114

**4:00 UNCOVERING THE IMPACT OF SOCIAL SUPPORT ON GASTROTOMY TUBE PLACEMENT IN HEAD AND NECK CANCER PATIENTS UNDERGOING RADIATION THERAPY.**

*Dharminder S. Ojla, Ian-Paolo Marquez, Soo Kyoung Kim, Jaime D. Tucker and Shyam D. Rao, Sacramento, CA. University of California Davis School of Medicine*

Abstract 115

**4:15 WORK PERFORMANCE AND QUALITY OF LIFE AMONG YOUNG ADULT CANCER SURVIVORS.**

*Mackenzie M. Winters, Neel S. Bhatt, K. S. Baker, Wendy M. Leisenring and Jenna Voutsinas, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 116

**4:30 IMPROVING TRANSFUSION SUPPORT IN A SICKLE CELL PROGRAM AT A PEDIATRIC TERTIARY CARE HOSPITAL.**

*William S. Miller and Nabih Huq Saifee, Seattle, WA. University of Washington School of Medicine*

Abstract 117

**4:45 INVESTIGATING RELT EXPRESSION IN VARIOUS CANCER CELL LINES AND TUMOR-EXPOSED IMMUNE CELLS.**

*Luke Cho, Petros Raygoza, John Cusick and Eslam Mohamed, Elk Grove, CA. California Northstate University College of Medicine*

Abstract 118

**5:00 FINANCIAL TOXICITY IN CUTANEOUS LYMPHOMA: A MIXED METHODS STUDY.**

*Gabrielle Spurzem, Michi Shinohara and Christopher Su, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 119

**5:15 QUANTIFIED KINEMATICS AND WEARABLE SENSORS TO PREDICT SERIOUS ADVERSE EVENTS IN PATIENTS UNDERGOING CANCER THERAPY TRIALS.**

*Elizabeth Tran, Luciano Nocera, Anand Kolatkar, Anthony El-Khoueiry, Jacob Thomas, Peter Kuhn, Andrew Zeng, Megumi Kai, Meghan Karuturi and Jorge N. Nieva, La Jolla, CA; Los Angeles, CA; Houston, TX. University of California San Diego*

Abstract 120

**5:30 TARGETING ONCOGENIC YIN-YANG 1 IN RESISTANT GLIOBLASTOMA AND CIRCUMVENTION OF IMMUNE EVASION.**

*Inesa Navasardyan, Benjamin Bonavida and Apostolos Zaravinos, Pomona, CA; Los Angeles, CA; Nicosia, Cyprus. Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WAFMR)*

Abstract 121

**Neonatology General II**

Carmel Women's Club

*Timothy M. Bahr and Elmer David, Presiding*

**3:15 PERINATAL E-CIGARETTE EXPOSURE COMPROMISES CARDIAC DEVELOPMENT AND FUNCTION IN OFFSPRING.**

*Sabrina L. Madrigal, Leela Afrose, Ying Wang, Celia Yu, Jie Liu, Dylan Hatai, Gourav Chandan, Noushin Lotfi and Virender Rehan, Torrance, CA; Los Angeles, CA. The Lundquist Institute*

Abstract 122

- 3:30 CAN WE OPTIMIZE RETINOPATHY OF PREMATURITY SCREENING BY COMBINING MULTIPLE PUBLISHED RISK SCORES?**  
*Emma Banwell, Bradley Yoder, Timothy M. Bahr and Daniel York, Salt Lake City, UT. University of Utah Health (WSPR Chiesi Resident Research Award)*  
 Abstract 123
- 3:45 EVALUATING A MOBILE APPLICATION TO SUPPORT CAREGIVERS IN THEIR TRANSITION FROM THE NEONATAL INTENSIVE CARE UNIT TO HOME: A QUALITATIVE STUDY.**  
*Surya Manickam, Sam Calvetti, Maya Joshi, Chelsea Moon, Alexander Liang, Michele Kipke and Ashwini Lakshmanan, Los Angeles, CA; Pasadena, CA. Los Angeles General Medical Center Children's Hospital Los Angeles*  
 Abstract 124
- 4:00 PHILIP SUNSHINE STATE-OF-THE-ART SPEAKER: PLATELETS AS IMMUNE CELLS: IMPLICATIONS FOR NEONATAL PLATELET TRANSFUSIONS.**  
*Martha Sola-Visner. Boston Children's Hospital*
- 4:30 LATE-ONSET HYDROCORTISONE-RESPONSIVE ACUTE RENAL FAILURE IN VERY LOW BIRTHWEIGHT INFANTS.**  
*Bradley Hunter, Timothy M. Bahr and Mariana B. Baserga, Salt Lake City, UT. University of Utah Health*  
 Abstract 125
- 4:45 CORE TEMPERATURE GRADIENT DURING THERAPEUTIC HYPOTHERMIA IS ASSOCIATED WITH HEMODYNAMIC CHANGES IN NEONATES WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY.**  
*Jayde Fernandez and Tai-Wei Wu, Los Angeles, CA; Pasadena, CA. University of Southern California Keck School of Medicine*  
 Abstract 126
- 5:00 CLINICAL CORRELATION OF THE NEONATAL INFANT STRESSOR SCALE WITH URINE PURINE METABOLITES IN NEONATES THAT ARE LESS THAN 1000 GRAMS.**  
*Sahana Durganna, Danilyn Angeles, Douglas Deming, Arlin Blood, Larry Ngo and Nicole Kraus, Loma Linda, CA. Loma Linda University*  
 Abstract 127
- 5:15 MEDICAID COVERAGE OF WHOLE GENOME SEQUENCING FOR CRITICALLY ILL NEONATES: NATIONAL LANDSCAPE AND ADVOCACY EFFORTS IN ILLINOIS.**  
*Allison G. Raymundo, Lily Lou and De-Ann Pillers, Chicago, IL. University of Illinois Chicago College of Medicine*  
 Abstract 128

**5:30 FACTORS ASSOCIATED WITH TIMING OF ONSET OF THERAPEUTIC HYPOTHERMIA BETWEEN INBORN AND OUTBORN INFANTS WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY (HIE).**

*Trisha Mulamreddy, Evan Giusto, Deepika Sankaran and Satyan Lakshminrusimha, Davis, CA. University of California Davis*

Abstract 129

**Neonatology Pulmonary II**

Rehearsal Room (Sunset Center)

*Lisa Joss-Moore and Erica Mandell, Presiding*

**3:15 METABOLIC IMPACT OF EXTENDED CONTINUOUS POSITIVE AIRWAY PRESSURE IN STABLE PRETERM INFANTS: A SUBSTUDY OF A RANDOMIZED CONTROLLED TRIAL.**

*Phil Ballard, Kelvin MacDonald, Julia Harris, Thaybeth I. Malavé-Méndez, Cheryl Chapin, Mitzi Go, Dara Torgerson and Cynthia McEvoy, San Francisco, CA; Portland, OR. Oregon Health & Science University (WSPR)*

Abstract 130

**3:30 PLATELETS ARE ACTIVATED AND INCREASED IN THE LUNGS OF NEONATAL MICE WITH EXPERIMENTAL BRONCHOPULMONARY DYSPLASIA AND PULMONARY HYPERTENSION.**

*Jamie Archambault, Danielle Roberts, Janelle N. Posey, Mariah Jordan, Eva Nozik and Cassidy Delaney, Aurora, CO. University of Colorado Anschutz Medical Campus (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 131

**3:45 TMEM100 PRESERVES LUNG GROWTH AND PREVENTS PULMONARY HYPERTENSION IN CHORIOAMNIONITIS-INDUCED BRONCHOPULMONARY DYSPLASIA IN RATS.**

*Tania Gonzalez, Gregory Seedorf, Paola Rodriguez, Zicheng Deng, Vladimir V. Kalinichenko and Steven H. Abman, Aurora, CO; Phoenix, AZ; Princeton, NJ. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 132

**4:00 METABOLOME-WIDE ASSOCIATION STUDY OF BRONCHOPULMONARY DYSPLASIA IN EXTREMELY PREMATURE INFANTS.**

*Thaybeth I. Malavé-Méndez, Miguel Guardado, Cheryl Chapin, Ryan Hernandez, Phil Ballard and Dara Torgerson, San Francisco, CA. University of California San Francisco*

Abstract 133

**4:15 PATHOGENESIS OF CONGENITAL DIAPHRAGMATIC HERNIA: THE EFFECT OF GENE VARIANTS IN ASSOCIATION WITH RETINOIC ACID.**

*Shierica Vea R. Veloria, Zhuowei Li, Na Zhang, Betty Pham and David McCulley, La Jolla, CA. University of California San Diego*

Abstract 134

- 4:30 ESTABLISHING THE EFFECTS OF LATE GESTATIONAL HYPOXIA ON OFFSPRING LUNG AND PULMONARY VASCULAR OUTCOMES.**  
*Thi-Tina N. Nguyen, Caitlin Lewis, Daniel Colon Hidalgo, Janelle N. Posey, Mariah Jordan, Timothy Porfilio, Maya R. Grayck, Clyde J. Wright, Cassidy Delaney and Eva Nozik, Aurora, CO. University of Colorado Anschutz Medical Campus (WAFMR)*  
Abstract 135
- 4:45 RIGHT VENTRICULAR STRUCTURE AND INTRAPULMONARY ARTERIOLAR MUSCULARIZATION ARE UNAFFECTED BY PHYSIOLOGICAL TREATMENT WITH RHIGF-1 COMPLEX IN MECHANICALLY VENTILATED PRETERM LAMBS.**  
*Matt Douglass, Bryce Heslop, Andrew Rebentisch, Jakob Van Boerum, Yongmei Zhang, Keana Estorpe, Mar J. Dahl, Donald Null, Victoria Niklas, Mark McHale, Robert Ward, Norman Barton and Kurt Albertine, Salt Lake City, UT; Altrincham, United Kingdom. University of Utah Health (WSPR)*  
Abstract 136
- 5:00 COMPARING FUNCTIONAL LUNG SPACE BEFORE AND AFTER EXTUBATION USING ELECTRICAL IMPEDANCE TOMOGRAPHY.**  
*Christopher Torsitano, Ariel Tarrell, Michelle Yang and Bradley Yoder, Salt Lake City, UT. University of Utah Health*  
Abstract 137
- 5:15 THE DIURNAL TIMING OF ANTENATAL STEROIDS ADMINISTRATION INFLUENCES THEIR EFFECTS.**  
*Lynn E. Mercer, Reiko Sakurai, Ying Wang, Jie Liu, Gourav Chandan, Sabrina L. Madrigal, Celia Yu, Noushin Lotfi, Siddharth Amuthan and Virender Rehan, Torrance, CA. Lundquist Institute for Biomedical Innovation at Harbor-UCLA Medical Center*  
Abstract 138
- 5:30 THE ROLE OF LUNG ULTRASOUND IN THE EVALUATION OF INFANTS WITH BRONCHOPULMONARY DYSPLASIA.**  
*Sarah Kohn, Karena Lawrence, Erica Mandell, Steven H. Abman, Daniele De Luca and Ryan Good, Aurora, CO; Gif-sur-Yvette, France. Children's Hospital Colorado*  
Abstract 139

## Neuroscience I

Chapman #4 (Sunset Center)

*Michel Baudry and Suma Shankar, Presiding*

**3:15 INTRACELLULAR EMETIC SIGNALING OF THE CANNABINOID CB<sub>1</sub> RECEPTOR INVERSE AGONIST/ANTAGONIST SR141716A IN THE LEAST SHREW ANIMAL MODEL OF VOMITING.**

*Zollie Daily, Yina Sun, Louiza Belkacemi and Nissar Darmani, Pomona, CA; Columbia, MO. Western University of Health Sciences (WAFMR Trainee Award) (WAFMR)*

Abstract 140

**3:30 DELAYED FLUOXETINE RESTORES SEX-SPECIFIC HIPPOCAMPAL FUNCTION IN JUVENILE ISCHEMIC MICE.**

*April Fineberg, Jamie Henry, Tanner McVey, Erika Tiemeier, James E. Orfila and Robert M. Dietz, Aurora, CO; Columbus, OH. University of Colorado Anschutz Medical Campus Department of Pediatrics*

Abstract 141

**3:45 AMPAKINES RESTORE HIPPOCAMPAL FUNCTION POST JUVENILE GLOBAL CEREBRAL ISCHEMIA VIA BDNF ACTIVATION.**

*Jamie Henry, April Fineberg, Tanner McVey, Erika Tiemeier, James Orfila, Paco Herson and Robert M. Dietz, Aurora, CO; Columbus, OH. University of Colorado Anschutz Medical Campus Department of Pediatrics*

Abstract 142

**4:00 RABIES VIRAL VECTOR PRODUCTION AND ITS APPLICATION IN MONOSYNAPTIC RETROGRADE NEURAL CIRCUIT MAPPING.**

*Taylor Jauregui, Akshay Som, Chuqiao Li, Alexis Bouin, Lijie Chen and Xiangmin Xu, Pomona, CA; Irvine, CA. Western University of Health Sciences University of California Irvine*

Abstract 143

**4:15 DIAGNOSTIC UTILITY OF AN INFLAMMATORY COMPOSITE SCORE FOR IDENTIFYING COGNITIVE IMPAIRMENT IN A VASCULAR DISEASE-ENRICHED POPULATION.**

*Roopsha Chatterjee, Rashmika Gunda, Charles Windon and Jason Hinman, Pomona, CA; Los Angeles, CA; San Francisco, CA. Western University of Health Sciences*

Abstract 144

**4:30 GENOMIC ANALYSIS OF A SCHIZOPHRENIA COHORT REVEALS POTENTIAL NEUROPATHOLOGICAL PROCESSES RESPONSIBLE FOR NEGATIVE SYMPTOMS.**

*Erin Kim, Ashley Yan, Jake Stenzel and Andrius Baskys, Pomona, CA; Phoenix, AZ. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 145



- 4:45 EVALUATING THE EFFICACY OF NA-112 ON SPONTANEOUS RECURRENT SEIZURE FREQUENCY AND NEUROPATHOLOGY IN A MOUSE MODEL OF EPILEPSY.**  
*Chiana Q. Yang, Isabelle Bauman, Emily Chen, Nicholas Morataya, Melissa Braga, Tristan Reece, Eduardo Penna, Xiaoning Bi and Michel B. Baudry, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)*  
 Abstract 146
- 5:00 ENHANCING GENETIC ACCESS TO NEURONAL CIRCUITS: PRODUCTION AND UTILIZATION OF AAV VECTORS IN BRAIN RESEARCH.**  
*Akshay Som, Taylor Jauregui, Lijie Chen, Chuqiao Li, Alexis Bouin and Xiangmin Xu, Pomona, CA; Irvine, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific University of California Irvine*  
 Abstract 147
- 5:15 INNOVATIVE TISSUE STAIN & TECHNIQUE DEMONSTRATES RARE DETAILED ANATOMY NOT PREVIOUSLY VIEWED FROM RAT HINDLIMBS WITH MICROCT SCANNING.**  
*Ellis Akana, Sydney Kobak, Nicolaus E. Salm, Trevor Eickman, Belinda McCully and Brion Benninger, Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*  
 Abstract 148
- 5:30 PATHOGENIC TAU ISOFORMS IN POSTMORTEM RETINAS DURING EARLY AND LATE STAGES OF ALZHEIMER'S DISEASE.**  
*Dieu-Trang T. Fuchs, Yosef Koronyo, Miyah R. Davis, Edward Robinson, Haoshen Shi, Nazanin Mirzaei, Altan Rentsendorj, Lon S. Schneider, Rakez Kayed, Maj-Linda B. Selenica, Daniel C. Lee, Keith L. Black and Maya Koronyo-Hamaoui, Los Angeles, CA; Galveston, TX; Lexington, KY. Cedars-Sinai Medical Center*  
 Abstract 149

### **Pulmonary and Critical Care I**

Studio 105 (Sunset Center)

*Denise A. Al Alam and Anthony Lim, Presiding*

- 3:15 IDENTIFYING AND MANAGING OF TRACHEOSTOMY TUBE MISPLACEMENT AS A LATE COMPLICATION: A CASE ANALYSIS.**  
*Quang Pham, Ricky Phan, Margaret Gonikman, Pooja Vora and Teresita Saylor, Pomona, CA; Long Beach, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*  
 Abstract 150
- 3:30 COMPARISON OF MEDICARE REIMBURSEMENT RATES BETWEEN OTOLARYNGOLOGISTS AND PULMONOLOGISTS FOR BRONCHOSCOPY.**  
*David Greis, Samuel Salib and Mohamed Ahmed, Elk Grove, CA; Los Angeles, CA. Keck Medicine of USC*

Abstract 151

**3:45 EVALUATION OF RISK STRATIFICATION AND MANAGEMENT OF LUNG NODULES USING AN ARTIFICIAL INTELLIGENCE GPT MODEL: A PROOF OF CONCEPT AND CONSIDERATIONS FOR PRIVACY-PRESERVING AI.**

*Anthony M. Lim, Ryan Chan, Julia K. Oberndorf and Anil Perumbeti, Rancho Mirage, CA. Eisenhower Health (WAFMR)*

Abstract 152

**4:00 IMPROVING THE IMPLEMENTATION AND KNOWLEDGE OF THE ASTHMA ACTION PLAN DURING THE WELL CHILD VISIT.**

*Shield Olabamiji, Erum Chowdhry and Dodds Simangan, Las Vegas, NV. University of Nevada Las Vegas Kirk Kerkorian School of Medicine (WAFMR Outstanding Resident Award)*

Abstract 153

**4:15 PUBLIC AWARENESS OF NON-SMOKER LUNG CANCER-A PILOT STUDY.**

*Aren Dermarderosian, Mary J. Keushkerian, Rita S. Keushkerian, Christian Dergazarian, Raffi Boghossian and Sarmen Sarkissian, Los Angeles, CA; Davis, CA; Ventura, CA; Glendale, CA. University of California Los Angeles (WAFMR)*

Abstract 154

**4:30 SURVEILLANCE OUTCOMES AFTER SURGICAL RESECTION OF NON-SMALL CELL LUNG CANCER.**

*Parveer Kaur and Alexi Matousek, Seattle, WA; Spokane, WA. University of Washington School of Medicine (WSMRF)*

Abstract 155

**4:45 VIDEO LARYNGOSCOPY ERRORS' EFFECT ON FIRST PASS SUCCESS IN PREHOSPITAL ADVANCED AIRWAY MANAGEMENT: A RETROSPECTIVE STUDY.**

*Killian Pache, Blake K. Marble, Megan Knoernschild, Andrew J. Latimer, Michael Sayre, Chuck Maynard and Catherine R. Counts, Cleveland, OH; Seattle, WA. University of Washington*

Abstract 156

**5:00 LURBINECTEDIN IN RELAPSED EXTENSIVE-STAGE SMALL CELL LUNG CANCER DEMONSTRATES SIMILAR EFFICACY TO PHASE II BASKET TRIAL.**

*Courtney Collins and Jessica Hellyer, Seattle, WA; Spokane, WA. University of Washington School of Medicine*

Abstract 157

**5:15 HOME OXYGEN THERAPY UTILIZATION IN A NEWBORN INTENSIVE CARE UNIT POPULATION AT ELEVATION.**

*Daniella Rodriguez, Alyssa Aragon, Jessica Gross, Joshua Reddish and Jessie R. Maxwell, Albuquerque, NM. University of New Mexico School of Medicine*

**Surgery II - Plastic Surgery**

Babcock #6 (Sunset Center)

*Subhas G. Gupta and Lee W. Wong, Presiding*

**3:15 HYALURONIC ACID SUBMERSION DECREASES *STAPHYLOCOCCUS EPIDERMIDIS* BIOFILM FORMATION ON BREAST IMPLANT SHELLS *IN VITRO*.**

*Joseph M. Larson, Mark S. Johnson and Subhas G. Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 159

**3:25 PREDICTORS OF POOR SPEECH OUTCOMES FOLLOWING PRIMARY PALATOPLASTY.**

*Bhairvi T. Mathur, Frances Scheepers, Sheryl Palm, Rebecca Courtemanche, Travis Gordon, Ye Shen and Jugpal S. Arneja, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine BC Children's Hospital*

Abstract 160

**3:35 EVALUATION OF POST-INFLAMMATORY HYPERPIGMENTATION IN A PORCINE VCA MODEL.**

*Natasha E. Barton, Caitlin M. Blades, Paula Arrowsmith, Evan Farkash, Yuhuan Luo, Nalu Navarro-Alvarez and Christene A. Huang, Aurora, CO; Ann Arbor, MI. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 161

**3:45 REVOLUTIONIZING PLASTIC SURGERY RESEARCH: THE POWER OF AI IN FACILITATING ANSWERS TO CLINICAL INQUIRIES.**

*Kylie McMath, Loma Linda, CA. Loma Linda University Health*

Abstract 162

**3:55 WHICH FACTORS AFFECT HOSPITAL LENGTH OF STAY FOLLOWING ORTHOGNATHIC SURGERY AMONG PATIENTS WITH HISTORY OF CLEFT PALATE?**

*Dorsa Toghani and Srinivas Susarla, Seattle, WA. University of Washington School of Medicine*

Abstract 163

**4:05 EFFICACY OF POLYDIOXANONE MESH IN PRIMARY BREAST AUGMENTATION MASTOPEXY.**

*Charya Khun, Manroop Bhandal, Allen Gabriel, Erin Abbott and Galen Perdikis, Nashville, TN; Loma Linda, CA; Vancouver, WA. Washington State University*

Abstract 164

**4:15 TREATMENT OF SEVERE FROSTBITE IN CHILDREN CASE SERIES: DEVELOPMENT OF AN ILOPROST DRIVEN PROTOCOL.**

*Kessia S. Varkey, Yoga Dhanapala, Rebecca Hartley, Thomas Cawthorn, Frankie Fraulin, Robertson Harrop and Simon Parsons, Calgary, Canada. Alberta Children's Hospital*  
Abstract 165

**4:25 EVALUATING THE EFFECTIVENESS OF A STANDARDIZED PREHABILITATION TOOL FOR IMPROVING PATIENT EDUCATION AND OUTCOMES IN BREAST RECONSTRUCTION AND BODY AESTHETIC PROCEDURES: A PILOT STUDY.**

*Isabella Oh, Claudy Sarpong and Subhas G. Gupta, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 166

**4:35 CORRELATING SURGICAL INDICATIONS WITH PATIENT REPORTED OUTCOMES AFTER MUSTARDÉ OTOPLASTY FOR PROMINENT EARS.**

*Sue Rim Baek, Rebecca Courtemanche, Matthew Boroditsky and Jugpal S. Arneja, Vancouver, BC, Canada. The University of British Columbia*

Abstract 167

**4:45 RELATIVE ANCHORS OR RETAINING LIGAMENTS OF THE PLATYSMA FROM THE TRUNK, NECK, FACE, AND HEAD ASSOCIATED WITH RHYTIDECTOMIES FROM NOVEL GAX-SPECIMENS, FRESH-FROZEN AND FORMALIN-FIXED CADAVERS.**

*Natalija Miller and Brion Benninger, Lebanon, OR; Lebanon and Corvallis, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*

Abstract 168

**4:55 PEDIATRIC FINGERTIP INJURIES: A RETROSPECTIVE STUDY COMPARING IMMOBILIZATION TREATMENTS.**

*Sara Blais and Saoussen Salhi, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine*

Abstract 169

**5:05 EVALUATION OF A CUSTOM GPT-4<sub>0</sub> CHATBOT FOR POST OPERATIVE BREAST SURGERY FREQUENTLY ASKED QUESTIONS AND COUNSELING.**

*Claudy Sarpong, Isabella Oh, Joseph M. Larson and Subhas G. Gupta, Loma Linda, CA. Loma Linda University*

Abstract 170

**5:15 PREOPERATIVE IMAGING OF CRANIOFACIAL DERMOID CYSTS IN PEDIATRIC PATIENTS: CORRELATION WITH INTRAOPERATIVE FINDINGS OF INTRACRANIAL EXTENSION.**

*Ou Jia (Emilie) Wang, Stephanie Cooper, Rebecca Courtemanche and Saoussen Salhi, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine (WSMRF)*

Abstract 171

**5:25 A SCOPING REVIEW OF GENDER AFFIRMING RHINOPLASTY.**  
*Riley J. Lehmann, Christopher Kruglik, Arron Cole and Michael Nuara, Seattle, WA;  
Burlington, VT; New York, NY. University of Washington School of Medicine (WAFMR)*  
Abstract 172

**5:35 EPIDERMOLYSIS BULLOSA: A TALE OF TWO ANESTHETICS.**  
*Julissa Li, Va Shon Williams and Alexander Santillan, Loma Linda, CA. Loma Linda  
University School of Medicine*  
Abstract 173

**WELCOME RECEPTION AND POSTER SESSION**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

**Thursday, January 16, 2025**

**6:00 PM – 7:00 PM**

***Poster Session I - Posters 1-80***

*All Saints Church, Seccombe Hall*

*Ninth Avenue & Dolores St.*

***Poster Session II - Posters 81-152***

*Sunset Center, Carpenter Hall*

**Presentations will be from 6-7 pm**

**Odd numbered posters present from 6-6:30 pm**

**Even numbered from 6:30-7:00 pm**

*All welcome and encouraged to attend*

**POSTER SESSION I**

**Posters 1-80**

**All Saints Church, Seccombe Hall**

**Pediatrics and Adolescent Medicine– 1-7**

**Behavior, Development, and Child Psychology – 8**

**Genetics – 9-11**

**Morphogenesis and Malformations – 12-18**

**Neonatology General – 19-41**

**Neonatology – Perinatal Biology -42-43**

**Neonatology – Pulmonary – 44-48**

**Neuroscience – 49-51**

**Surgery – 52-80**

**Poster  
Number**

**Abstract/Program  
Number**

- 1 TRAPS AND TRIUMPHS: LESSONS IN TREATING GROUP A STREPTOCOCCUS.**  
Corinna Roles, Justin Youn, Hannah Sloan, *Makayla Carlson*, Justin Chang, Stephanie Chen, Susan Li and Gabrielle Pina, Pomona, CA; Loma Linda, CA; Moreno Valley, CA. *Loma Linda University Health Riverside University Health System*

Abstract 174
- 2 DIFFERENTIATION OF PRIMARY POLYDIPSIA FROM DIABETES INSIPIDUS IN 2 TODDLERS.**  
*Stephanie Christensen*, Shelby Chen and Stephanie Crossen, Sacramento, CA. *University of California Davis*

Abstract 175
- 3 RACIAL DISPARITIES IN TYMPANOSTOMY TUBE PLACEMENT IN PEDIATRIC PATIENTS WITH RECURRENT OR CHRONIC OTITIS MEDIA.**  
*Harleen Dhillon*, Rajanya Biswas, Jocelyn Dinh, Aly Eltalawy, Juliana Fuchs, Samhita Harathi, Rustin Jafarkhani, Somin Moon and Behnoosh Afghani, Irvine, CA; Philadelphia, PA; Orange, CA. *Drexel University College of Medicine (WSMRF)*

Abstract 176
- 4 AN EXPLORATION OF THE DELAYS IN DIAGNOSIS OF DEVELOPMENTAL DYSPLASIA OF THE HIP, SLIPPED CAPITAL FEMORAL EPIPHYSIS, AND LEGG-CALVÉ-PERTHES DISEASE IN BRITISH COLUMBIA: THE PATIENT JOURNEY.**  
*Danica Fontana*, Renee Boldut, Aayush Malhotra, Ben Stothers, Emily Schaeffer and Kishore Mulpuri, Vancouver, BC, Canada. *BC Children's Hospital*

Abstract 177
- 5 PARTIAL DUPLICATION OF *NIPBL* CAUSES 5P13.2 DUPLICATION SYNDROME, DISTINCT FROM CORNELIA DE LANGE SYNDROME: A REPORT OF TWO FAMILIES AND REVIEW OF THE LITERATURE.**  
*Ann T. Ly* and Robin D. Clark, Loma Linda, CA. *Loma Linda University Health*

Abstract 178
- 6 NO LUMPS, BUT MUMPS! AN ATYPICAL PRESENTATION IN A VACCINATED CHILD.**  
*Damnhien Nguyen*, Navya Katragadda and Jennifer Snider, Madera, CA. *Valley Children's Healthcare*

Abstract 179
- 7 CASE REPORT: PEDIATRIC CARDIAC ARREST AND DEVELOPMENTAL DELAY FROM MALNUTRITION.**  
*Henry H. Steyer*, Wayne Kuang, Yuhung Chou and Marsha Rappley, Los Angeles, CA. *Los Angeles General Medical Center*

Abstract 180

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>8</b>     <b>EXPLORING HOW HEALTHCARE PROVIDERS IMPACT THE LIVED EXPERIENCES OF CALIFORNIANS WITH FASD.</b>  <i>Julie M. Law, Rebecca Tillou, Danielle Vakutin, Narueporn Likhitweerawong, Melissa Gosdin, Susan Timmer and Tanaporn J. Wilaisakditipakorn, Sacramento, CA; Geneseo, NY. University of California Davis MIND Institute (WSPR)</i></p>	<p>Abstract 181</p>
<p><b>9</b>     <b>CLINICAL CHARACTERIZATION OF <i>FBNI</i> NEGATIVE MARFAN SYNDROME: CASE SERIES.</b>  <i>Kathleen Comerford, Suha Bachir, Elif Seda Selamat Tierney, Mitchel Pariani and Sharmila Ravi, Stanford, CA. Stanford University School of Medicine</i></p>	<p>Abstract 182</p>
<p><b>10</b>    <b>UNUSUAL PRESENTATION OF CARDIOMYOPATHY IN PATIENT WITH BETHLEM MUSCULAR DYSTROPHY.</b>  <i>Aimee Juan and David Stevenson, Palo Alto, CA. Lucile Salter Packard Children's Hospital at Stanford General Pediatrics (WSPR)</i></p>	<p>Abstract 183</p>
<p><b>11</b>    <b>RPS14 DYSREGULATION IN CANCER: THERAPEUTIC OPPORTUNITIES AND GENE EDITING STRATEGIES.</b>  <i>Leena Nabipur and Carlos Tirado, Pomona, CA; Stony Brook, NY. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 184</p>
<p><b>12</b>    <b>MIXED HEARING LOSS IN EXTERNAL AUDITORY CANAL STENOSIS OR ATRESIA: A CASE SERIES.</b>  <i>Brandon D. Abell, Megan Hedman, Kirsten Adkisson and Sarah Gitomer, Aurora, CO. University of Colorado Anschutz Medical Campus School of Medicine</i></p>	<p>Abstract 185</p>
<p><b>13</b>    <b>COMMERCIALY AVAILABLE ADHESIVE TAPE PRESERVES SECTIONING INTEGRITY THROUGHOUT CRYOSECTIONING AND HISTOLOGY STAINING.</b>  <i>Jaylend D. Amistad, John Bradford and Jennifer Robinson, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 186</p>
<p><b>14</b>    <b>RESPONSE OF CULTURED SWINE SHOULDER SUBCUTANEOUS ADIPOCYTES UNDER HYPOXIC-INSULTS.</b>  <i>Quan Dang, Tony Eskandar, Sadia Khan and Finosh G. Thankam, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 187</p>

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>15 THE ARC OF BÜHLER: A CADAVERIC CASE STUDY OF A NOVEL VARIANT.</b>  <i>Ami Patel, Quan Dang, Cesar Ortiz-Alvarez, Lily Liu, Michael Truong and Jeremiah Scott, Pomona, CA. Western University of Health Sciences</i></p>	<p>Abstract 188</p>
<p><b>16 VARIABLE BONE MORPHOLOGY AND MINERALIZATION IN SLX4 INTERACTING PROTEIN MUTANT ZEBRAFISH.</b>  <i>Genaro Ramirez-Fernandez, W. Joyce Tang and Ronald Y. Kwon, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>	<p>Abstract 189</p>
<p><b>17 MAPPING THE VARIANTS: ANATOMICAL DIVERISTY OF THE EUSTACHIAN VALVE IN HUMANS.</b>  <i>Lan Tran, Pallavi Sripathi, Catherine Llera Martín and Ellen Fricano, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 190</p>
<p><b>18 TCF/LEF BINDING SITES IN TWO LHX2-ASSOCIATED REGULATORY MODULES ARE CRITICAL FOR ACTIVITY SUGGESTING THAT WNTS REGULATE LHX2 EXPRESSION IN THE VERTEBRATE LIMB.</b>  <i>Micah Yu, Jessica Britton, Charmaine Pira and Kerby Oberg, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 191</p>
<p><b>19 ABDOMINAL TAPING TO FACILITATE EASE OF STOOLING IN PRETERM INFANTS: A CASE SERIES.</b>  <i>Sylvia Bowditch, Katherine Zuppann and Kara Kuhn-Riordon, Sacramento, CA. UC Davis Children's Hospital</i></p>	<p>Abstract 192</p>
<p><b>20 ANALYZING DEVELOPMENTAL DIFFERENCES IN OPIOID EXPOSED INFANTS USING THE HAMMERSMITH INFANT NEUROLOGICAL EXAM.</b>  <i>Aysu N. Caglar, Joe Lopez, Keenan Amer and Jessie R. Maxwell, Albuquerque, NM. University of New Mexico School of Medicine</i></p>	<p>Abstract 193</p>
<p><b>21 INTRAVENTRICULAR HEMORRHAGE PROTOCOL: CURTAILING SEVERITY.</b>  <i>Luke Chao, Abigale Aldrich, M Chloe Slator, Kristan Schneider and Sofia M. Markee, Albuquerque, NM. University of New Mexico Health Sciences Center</i></p>	<p>Abstract 194</p>



<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>22</b>    <b>QUALITY OF PRENATAL COUNSELING DOCUMENTATION AT LATE PRETERM GESTATIONS: A MIXED METHODS STUDY.</b>  <i>Isabella Eck, Thea DeBroux, Hannah Benjamin, Jasmine E. James, Michelle Bartlett, Megan Gray and Rachel Umoren, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>	<p>Abstract 195</p>
<p><b>23</b>    <b>MULTIOMICS PROFILING AND PREDICTIVE MODELING OF NECROTIZING ENTEROCOLITIS.</b>  <i>Smita Ektare, Camilo Espinosa, Alan Chang, Jonathan Reiss, Ronald J. Wong, Brice Gaudilliere, Gary M. Shaw, Karl Sylvester, Martin S. Angst, David Stevenson and Nima Aghaeepour, Stanford, CA. Stanford University School of Medicine</i></p>	<p>Abstract 196</p>
<p><b>24</b>    <b>RISK FACTORS FOR NECROTIZING ENTEROCOLITIS IN NEONATES WITH CONGENITAL HEART DISEASE.</b>  <i>Trevor Feldman, Angela Desmond, Yalda Afshar, Guadalupe Martinez, Joanne Newens and Kara C. Calkins, Los Angeles, CA. University of California Los Angeles</i></p>	<p>Abstract 197</p>
<p><b>25</b>    <b>MATERNAL AND NEONATAL FACTORS OF PREMATURE INFANTS REQUIRING NITRIC OXIDE USE IN THE NICU.</b>  <i>Savanah Gallegos, Lorayne Barton, Rangasamy Ramanathan, Smeeta R. Sardesai and Rowena Cayabyab, Los Angeles, CA. Los Angeles General Medical Center</i></p>	<p>Abstract 198</p>
<p><b>26</b>    <b>VALIDATING GAPS AND OPTIMIZING THE TRANSITION FROM THE NEONATAL INTENSIVE CARE UNIT TO ASSISTED HOME FEEDING.</b>  <i>Anna Gao, Erik Skarsgard, Emily Kieran, Sarah Coutts, Horacio Osioviich, Hannah G. Piper and Sandesh Shivananda, Kingston, , Canada; Vancouver, , Canada. Queens University BC Children's Hospital</i></p>	<p>Abstract 199</p>
<p><b>27</b>    <b>INVESTIGATING OSMOLALITY OF NUTRITIVE AND MEDICATIONS RECEIVED BY PRETERM INFANTS AND POTENTIAL RISK OF ADVERSE OUTCOMES.</b>  <i>Monica C. Gierbolini Collazo, Michelle Zhou, Estephanie Rivero, Rachel Leung, Eleni Shenk, Kayla Novick, Jessie R. Maxwell, Jessica Gross and Hellen K. Ko, Albuquerque, NM. The University of New Mexico</i></p>	<p>Abstract 200</p>

- | <b><u>Poster<br/>Number</u></b>   | <b><u>Abstract/Program<br/>Number</u></b> |
|---|---|
| <p><b>28 RISK FACTORS FOR SEVERE INTRAVENTRICULAR HEMORRHAGE IN PRETERM INFANTS WITHIN FIRST WEEK OF LIFE.</b><br/> <i>Victoria Johnson, Sarah Batt, Rowena Cayabyab and Hemananda Muniraman, Omaha, NE; Phoenix, AZ; Los Angeles, CA. Creighton University School of Medicine</i></p>  | <p>Abstract 201</p>                       |
| <p><b>29 THE EFFECT OF PATENT DUCTUS ARTERIOSUS PROPHYLAXIS ON RATES OF NECROTIZING ENTEROCLOLITIS AND SPONTANEOUS INTESTINAL PERFORATION.</b><br/> <i>Haegyeong Kim, Bradley J. Cacho, Hyojin Kim, Katelyn Spradley and Douglas Deming, Loma Linda, CA. Loma Linda University</i></p>  | <p>Abstract 202</p>                       |
| <p><b>30 THE EFFECT OF PATENT DUCTUS ARTERIOSUS PROPHYLAXIS ON RATES OF HIGH-GRADE INTRAVENTRICULAR HEMORRHAGE AND PERIVENTRICULAR LEUKOMALACIA IN PRETERM INFANTS.</b><br/> <i>Hyojin Kim, Bradley J. Cacho, Haegyeong Kim, Katelyn Spradley and Douglas Deming, Loma Linda, CA. Loma Linda University</i></p>                                 | <p>Abstract 203</p>                       |
| <p><b>31 KNOWLEDGE, ATTITUDE, AND PRACTICES (KAP) REGARDING USE OF SUPRAGLOTTIC AIRWAYS DURING NEONATAL RESUSCITATION: SURVEY AMONG NURSES IN COMMUNITY AND UNIVERSITY HOSPITALS.</b><br/> <i>Jessa Rose A. Li, Janelle Beall, Evan Giusto, Satyan Lakshminrusimha and Deepika Sankaran, Sacramento, CA. University of California Davis</i></p> | <p>Abstract 204</p>                       |
| <p><b>32 RISK FACTORS ASSOCIATED WITH BRONCHOPULMONARY DYSPLASIA IN INFANTS BORN AT 26 TO 30 WEEKS GESTATION.</b><br/> <i>Jasmine Massoumi, Ching Tay and Mohammad Adnan, Los Angeles, CA; Long Beach, CA. University of Southern California</i></p>  | <p>Abstract 205</p>                       |
| <p><b>33 EARLY VS. LATE DIAGNOSIS OF PERSISTENT PULMONARY HYPERTENSION IN PRETERM NEONATES LESS THAN 32 WEEKS GESTATIONAL AGE AT BIRTH.</b><br/> <i>Erin Myers, Lorayne Barton, Shazia Bhombal, Smeeta R. Sardesai, Rangasamy Ramanathan and Rowena C. CAYABYAB, Los Angeles, CA; Atlanta, GA. Los Angeles General Medical Center</i></p>       | <p>Abstract 206</p>                       |

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>34</b>    <b>INVESTIGATING PREDISPOSING RISK FACTORS FOR RETINOPATHY OF PREMATURITY IN EXTREMELY PRETERM INFANTS AT ALTITUDE.</b>  <i>Thao Nguyen, Sameen Jawadi, Huzefa Saria and Jessie R. Maxwell, Albuquerque, NM. University of New Mexico School of Medicine</i></p>	<p>Abstract 207</p>
<p><b>35</b>    <b>ASSESSMENT OF GENETIC SEQUENCING RESULTS IN NEONATES WITH CONJUGATED HYPERBILIRUBINEMIA.</b>  <i>Priyanka Patel, Shoji Yano, Lorayne Barton, Smeeta R. Sardesai and Rowena C. Cayabyab, Los Angeles, CA. Los Angeles General Medical Center</i></p>	<p>Abstract 208</p>
<p><b>36</b>    <b>THYROID SCREENING IN THE NICU: A QUALITY IMPROVEMENT PROJECT.</b>  <i>Jennifer Sanchez, Laura Rose, Milan Amin, Jeanne Carroll, Tara Glenn and Ron Newfield, San Diego, CA. UC San Diego Health</i></p>	<p>Abstract 209</p>
<p><b>37</b>    <b>NEONATAL DISASTER PREPAREDNESS IN NORTHERN CALIFORNIA: CURRENT CHALLENGES AND FUTURE STRATEGIES.</b>  <i>Katherine Sayaseng, Katherine Rominger, James P. Marcin, Kristin Hoffman and Sarah C. Haynes, Sacramento, CA. UC Davis Medical Center</i></p>	<p>Abstract 210</p>
<p><b>38</b>    <b>THE IMPACT OF THE COVID-19 PANDEMIC ON A PREGNANT POPULATION IN NEW MEXICO.</b>  <i>Koran I. Sherman, Tanisha Medha and Jessie R. Maxwell, Albuquerque, NM. University of New Mexico School of Medicine</i></p>	<p>Abstract 211</p>
<p><b>39</b>    <b>COMPARISON OF CRANIAL ULTRASOUND AND MRI IN DETECTING BRAIN INJURY IN VERY LOW BIRTH WEIGHT INFANTS.</b>  <i>Natalie L. Smith, Smeeta R. Sardesai, Lorayne Barton and Rowena C. CAYABYAB, Los Angeles, CA. University of Southern California Los Angeles General Medical Center</i></p>	<p>Abstract 212</p>
<p><b>40</b>    <b>THE EFFECT OF PATENT DUCTUS ARTERIOSUS PROPHYLAXIS ON RATES OF BRONCHOPULMONARY DYSPLASIA IN PRETERM INFANTS.</b>  <i>Katelyn Spradley, Bradley J. Cacho, Hyojin Kim, Haegyeong Kim and Douglas Deming, Loma Linda, CA. Loma Linda University School of Medicine</i></p>	<p>Abstract 213</p>

**Poster  
Number**

**Abstract/Program  
Number**

- 41 RED BLOOD CELL TRANSFUSION GUIDELINES IN EXTREMELY LOW BIRTH WEIGHT INFANTS.**  
*Jessica Wilcken, Jessie R. Maxwell, David Henderson and Kristin Srosnider, Albuquerque, NM. University of New Mexico Health System*  
Abstract 214
- 42 DE-IMPLEMENTING CRP AND CORRELATION WITH EOS ANTIBIOTIC USE OVER TIME.**  
*Lynn E. Mercer, Kurlen Payton and Kristine Galsim, Torrance, CA; Los Angeles, CA. Harbor-UCLA Medical Center Cedars-Sinai Medical Center*  
Abstract 215
- 43 METABOLOMIC PROFILING OF BIOMARKERS ASSOCIATED WITH PRETERM BIRTH FROM INFANTS IN LOW RESOURCE SETTINGS USING MACHINE LEARNING.**  
*Victoria Ward, Ivana Maric, Khusbu Adhikari, Hilda Angela Mujuru, Gwendoline Chimhini, Nancy Otieno, Samir K. Saha, Stephen Hawken, Pranesh Chakraborty, Kumanan Wilson, Ronald J. Wong, Gary M. Shaw, David K. Stevenson and Gary L. Darmstadt, Stanford, CA; Harare, Zimbabwe; Nairobi, , Kenya; Dhaka, Bangladesh; Ottawa, Ontario, Canada. Stanford University School of Medicine*  
Abstract 216
- 44 THREE DAYS OF INVASIVE MECHANICAL VENTILATION DECREASES RENAL GLOMERULAR SURFACE AREA IN PRETERM LAMBS, REGARDLESS OF SUBSEQUENT TRANSITION TO NONINVASIVE RESPIRATORY SUPPORT.**  
*Linden Carter, Andrew Rebentisch, Elaine Dawson, Cannon Hansen, Audrey Horst, Davide Bizzotto, R Dellaca, Matt Douglass, Bradley Yoder, A Lavizzari, Kurt Albertine and Mar J. Dahl, Salt Lake City, UT; Milano, Italy; Milan, , Italy. University of Utah Health (WSMRF)*  
Abstract 217
- 45 EFFECTS OF DHA SUPPLEMENTATION ON PPAR $\gamma$  ISOFORMS IN THE DEVELOPING RAT LUNG.**  
*Wesley Chidester, Mercedes Yanick, Daniel T. Wray, Constantine Kindred and Lisa Joss-Moore, Salt Lake City, UT. University of Utah Health (WSMRF)*  
Abstract 218
- 46 EFFECT OF DIFFERENT ELECTRODE TEMPERATURES ON ACCURACY AND SAFETY OF TRANSCUTANEOUS CARBON DIOXIDE MONITORING.**  
*Vidhi Jhaveri, Alexandra J. Leegwater, Brian Smith, Sorab Mayar, John Gamelin, Satyan Lakshminrusimha and Deepika Sankaran, Davis, CA; Terwil, Switzerland. University of California Davis*  
Abstract 219

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>47 THE USE OF NASAL HIGH-FREQUENCY JET VENTILATION IN A LEVEL IV NEONATAL INTENSIVE CARE UNIT.</b>  Karla Ortiz, Rangasamy Ramanathan, Smeeta R. Sardesai and <i>Manoj Biniwale</i>, Los Angeles, CA. <i>Los Angeles General Medical Center</i></p>	<p>Abstract 220</p>
<p><b>48 DIFFERENTIAL REGIONAL LUNG OXYGENATION IN PRETERM INFANTS USING NEAR-INFRARED SPECTROSCOPY (NIRS) AND THE ROLE OF PATENT DUCTUS ARTERIOSUS.</b>  <i>Ivonne E. Sierra-Strum</i>, Manoj Biniwale, Piyawat Arichai and Rangasamy Ramanathan, Los Angeles, CA; Torrance, CA. <i>Los Angeles General Medical Center Harbor-UCLA Medical Center Department of Pediatrics (WSPR)</i></p>	<p>Abstract 221</p>
<p><b>49 OPHTHALMIC ARTERY FAT EMBOLISM FOLLOWING BILATERAL ELBOW LIPOSUCTION: A CASE STUDY.</b>  <i>Krishna Sinha</i>, Marie Di Nome and Odette Houghton, Scottsdale, AZ. <i>Mayo Clinic Alix School of Medicine</i></p>	<p>Abstract 222</p>
<p><b>50 MANAGING SEVERE HYPONATREMIA WITH 8.4% SODIUM BICARBONATE: A FEASIBILITY STUDY.</b>  Martin Garcia, Shriya Deshpande, <i>Taejung Song</i>, Johan Hsu, Ikroop Miglani, Anhadh Jassal and Francisco Ibarra, Clovis, CA. <i>California Health Sciences University College of Osteopathic Medicine</i></p>	<p>Abstract 223</p>
<p><b>51 VOCAL CORD PARALYSIS ASSOCIATED WITH MULTIPLE SCLEROSIS.</b>  Joyce L. Huang and <i>Christopher G. Tang</i>, Pleasanton, CA; San Francisco, CA. <i>Kaiser Permanente Medical Center at San Francisco (WSMRF)</i></p>	<p>Abstract 224</p>
<p><b>52 PSA DYNAMICS FOLLOWING REZUM THERAPY: CORRELATION WITH NUMBER OF INJECTIONS.</b>  <i>Ninous Betdashtoo</i>, Adel A. Battikha, Jongwan Park, Kallan Richards, Elizabeth Baldwin, Daniel Jhang, Joshua Ghoulain, Zhamshid Okhunov and Duane Baldwin, Loma Linda, CA. <i>Loma Linda University School of Medicine</i></p>	<p>Abstract 225</p>
<p><b>53 POLYDIOXANONE INTERNAL SUPPORT MATRICES AND PREVENTION OF BREAST IMPLANT MALPOSITION.</b>  <i>Manroop Bhandal</i>, Charya Khun, Allen Gabriel, Erin Abbott and Galen Perdikis, Vancouver, WA; Nashville, TN. <i>AG Aesthetic Center</i></p>	<p>Abstract 226</p>

**Poster  
Number**

**Abstract/Program  
Number**

- 54 EVALUATING QUALITY AND READABILITY OF INFORMATION PROVIDED BY GENERATIVE ARTIFICIAL INTELLIGENCE CHATBOTS ON CLAVICLE FRACTURE TREATMENT OPTIONS.**  
Peter A. Giammanco, *Christopher Collins*, Jason Zimmerman, Mikayla Kricfalusi, Richard C. Rice, Michael Trumbo, Bradley Carlson, Rebecca Rajfer, Brian Schneiderman and Joseph Elsissy, Colton, CA; Loma Linda, CA. *California University of Science and Medicine*  
Abstract 227
- 55 INNOVATIONS IN PEDIATRIC CORNEAL TRANSPLANTATION: EVALUATING THE “GRIP AND RIP” ANTERIOR LAMELLAR KERATOPLASTY TECHNIQUE.**  
*Lucy M. Eprem*, Safa Arfeen and Frank Hwang, Loma Linda, CA. *Loma Linda University School of Medicine*  
Abstract 228
- 56 OUTCOMES AFTER MEDIAL QUADRICEPS TENDON FEMORAL LIGAMENT RECONSTRUCTION FOR TREATMENT OF PATELLAR INSTABILITY IN ADOLESCENT POPULATIONS.**  
*Jade S. Harris*, Xing Wang and Michael Saper, Seattle, WA. *University of Washington (WSMRF)*  
Abstract 229
- 57 A RARE CASE OF FOURNIER'S GANGRENE IN A 93-YEAR-OLD MALE WITH A URINARY TRACT INFECTION.**  
*Michael Hetzel*, Camden Fuller, Wessam Daoud and Robert Collins, Rancho Mirage, CA. *Eisenhower Medical Center*  
Abstract 230
- 58 OUTCOMES OF COMBINED COMPLEX HERNIA REPAIR AND PANNICULECTOMY IN ABDOMINAL WALL RECONSTRUCTION: A SINGLE-CENTER RETROSPECTIVE ANALYSIS.**  
*Helen Hsiao*, Daphne Lu, YuWei Yang, Zaima Chowdhury, Tracy Scott and Nancy V. Laeken, Vancouver, BC, Canada. *The University of British Columbia Faculty of Medicine*  
Abstract 231
- 59 BONY LANDMARKS FROM UPPER AND LOWER GLUTEAL SECTIONS AID ULTRASOUND IDENTIFICATION OF SCIATIC NERVE.**  
*Allison M. Ingle* and Brion Benninger, Lebanon, OR. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*  
Abstract 232

**Poster  
Number**

**Abstract/Program  
Number**

- 60 DECISIONAL REGRET IN ORTHOPEDIC SURGERY: A SYSTEMATIC REVIEW OF ASSESSMENT TOOLS.**  
*Michael Jeffko, Laura Reynolds, Maxey G. ChereL, Aiyush Bansal, Trisha Lipson and Phil K. Louie, Seattle, WA; Spokane, WA. University of Washington School of Medicine*  
Abstract 233
- 61 DEVELOPMENT OF A WEB APPLICATION FOR THE SURGICAL RISK PREOPERATIVE ASSESSMENT SYSTEM (SURPAS).**  
*Haaris Kadri, Kathryn Colborn, James Winslow, Adam Dyas, William Henderson, Michael R. Bronsert, Yaxu Zhuang, Yizhou Fei, Helen Madsen, Anne Lambert-Kerzner, Benjamin Brooke and Robert Meguid, Aurora, CO; Salt Lake City, UT. University of Colorado Anschutz Medical Campus School of Medicine*  
Abstract 234
- 62 EFFECT OF METABOLIC SYNDROME IN THE INCIDENCE OF ROTATOR CUFF INJURY AND RECOVERY FOLLOWING SURGICAL REPAIR.**  
*Sugeeth Kandikattu, Manas R. Aavula and Devendra K. Agrawal, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific Western University of Health Sciences*  
Abstract 235
- 63 CONDUIT APPROACH IN CORONARY ARTERY BYPASS: COMBINED PEDICLED AND SKELETONIZED TECHNIQUES IN A CADAVERIC DONOR.**  
*Rayman Kirby, Thao Vu, Colleen Mercado, Daniel Damron, Angela R. Loczi-Storm, McGwire Smith and Edie Sperling, Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific Northwest*  
Abstract 236
- 64 VOCAL FOLD PARESIS - BUILDING PATIENT PROFILES TO GUIDE TREATMENT BASED ON VOICE HANDICAP INDEX-10.**  
*Julissa Li, Priya Krishna and Thomas Murry, Loma Linda, CA. Loma Linda University School of Medicine*  
Abstract 237
- 65 WHY NOT A COCHLEAR IMPLANT? PARAMETERS THAT INFLUENCE DECISION TO DECLINE COCHLEAR IMPLANT IN ELIGIBLE CANDIDATES.**  
*Ying Jie Li, Jayant Seth, Fainess Mwakisimba, Ishita Agarwal, Frederick Kozak, Mark Felton and Amjad Tobia, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine*  
Abstract 238

**Poster  
Number**

**Abstract/Program  
Number**

- .66 GREENING THE OR: IMPROVING SUSTAINABLE PRACTICE IN PEDIATRIC LAPAROSCOPIC APPENDECTOMIES.**  
*Nathan Louie, Natasha Milne, Stephanie Harding, Melanie Ganshorn, Karina Spoyalo and Erik Skarsgard, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine (WSMRF)*  
Abstract 239
- 67 POCUS ULTRASOUND WITH DISSECTION OF THE ULNAR COLLATERAL LIGAMENT AND HARVESTING PALMARIS LONGUS TENDON FROM NOVEL PREPARED CADAVERS PROVIDES LIFE-LIKE TISSUE BEST EMULATING ANATOMICAL AND SURGICAL EXPERIENCES. .**  
*Joshua McCluskey and Brion Benninger, Pomona, CA. Western University of Health Sciences*  
Abstract 240
- 68 SHOULD THE C7-T1 JUNCTION BE FEARED? THE EFFECT OF A T1 UPPER INSTRUMENTED VERTEBRA ON DEVELOPMENT OF PROXIMAL JUNCTIONAL KYPHOSIS.**  
*Carlos Monroig-Rivera, Ingrid Okonta, Jennifer M. Bauer, Amit Jain, Firoz Miyanji, Stefan Parent, Peter Newton, Salil Upasani, Patrick Cahill, Dan Sucato, Paul Sponseller, Amer Samdani, DMarfeivel McLean and Jaysson Brooks, Dallas, TX; Louisville, KY; Seattle, WA; Baltimore, MD; Vancouver, BC, Canada; Montreal, , Canada; San Diego, CA; Philadelphia, PA; Loma Linda, CA. Loma Linda University*  
Abstract 241
- 69 PAROTID GLAND FASCIA DEMONSTRATED BY NOVEL PREPARED GAX-SPECIMENS WITH INNOVATIVE CONTRAST IMAGING AND FRESH FROZEN CADAVERS SUPPORTING REVISED MORPHOLOGY.**  
*Natalija Miller, Judd Williams and Brion Benninger, Lebanon, OR; Lebanon and Corvallis, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*  
Abstract 242
- 70 COMPARISON OF GORETEX, YAMANE, AND CANABRAVA TECHNIQUES IN SCLERAL FIXATED INTRAOCULAR LENS (SFIOL) SURGERY.**  
*Andras Muranyi, Lucy M. Eprem, Adel A. Battikha and Frank Hwang, Loma Linda, CA. Loma Linda University School of Medicine Loma Linda University Medical Center*  
Abstract 243
- 71 GET A LEG UP ON RADIATION SAFETY: THE IMPORTANCE OF LEG SHIELDING IN PERCUANEUS NEPHROLITHOTOMY.**  
*Jongwan Park, Ninous Betdashtoo, Daniel Jhang, Adel A. Battikha, Faith Ajayi, Kallan Richards, Elizabeth Baldwin, Zhamshid Okhunov and Duane Baldwin, Loma Linda, CA. Loma Linda University School of Medicine Loma Linda University Health*  
Abstract 244



<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>72</b>    <b>EFFECT OF THUMB PRELOAD ON MECHANOMYOGRAPH MONITORING OF NEUROMUSCULAR BLOCKADE.</b>  <i>Rylie Pilon, Zain Wedemeyer, Srdjan Jelacic, Andrew Bowdle and Kelly Michaelsen, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>	<p>Abstract 245</p>
<p><b>73</b>    <b>EFFECTS OF THULIUM FIBER LASER ACTIVATION PATTERN ON URETERAL FLUID TEMPERATURE, THERMAL DOSE, AND STONE ABLATION RATE.</b>  <i>Kallan Richards, Gabriel Martin, Daniel Jhang, Adel A. Battikha, Ninous Betdashtoo, Jongwan Park, Faith Ajayi, Elizabeth Baldwin, Zhamshid Okhunov and Duane Baldwin, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 246</p>
<p><b>74</b>    <b>EVALUATION OF PSOAS MUSCLE ATROPHY FOLLOWING LATERAL LUMBAR INTERBODY FUSION: A RETROSPECTIVE MRI ANALYSIS.</b>  <i>Daniel Rusu, Will Karakash, Kevin Sun, Henry Avetisian, Jeffrey Wang, Raymond Hah and Ram Alluri, Los Angeles, CA. University of Southern California Keck School of Medicine</i></p>	<p>Abstract 247</p>
<p><b>75</b>    <b>AN EVIDENCE-BASED ASSESSMENT OF ADJUVANT THERAPY IN AUTOLOGOUS FAT TRANSFER: RANKING OF THE POTENTIAL AGENTS.</b>  <i>Claudy Sarpong and Subhas G. Gupta, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 248</p>
<p><b>76</b>    <b>DOES THE LUMBAR SPINE CHANGE SHAPE AFTER JUST A LAMINECTOMY? AN ANALYSIS OF THE SEGMENTAL AND ADJACENT LEVELS.</b>  <i>Jack Sedwick, Aiyush Bansal, Takeshi Fujii, Maxey G. Cherel, Laura Reynolds, Trisha Lipson, Rafael Garcia De Oliveira, Venu Nemani, Jean-Christophe Leveque and Philip K. Louie, Seattle, WA; Spokane, WA. University of Washington School of Medicine (WSMRF)</i></p>	<p>Abstract 249</p>
<p><b>77</b>    <b>REVIEW OF REGULAR TRIUNE TYMPANOSTOMY TUBES (DURATION OF FUNCTION AND COMPLICATIONS) AT BC CHILDREN'S HOSPITAL (2012-2024).</b>  <i>Jayant Seth, Ying Jie Li, Fainess Mwakisimba and Jeffery Ludemann, Vancouver, BC, Canada. The University of British Columbia Faculty of Medicine</i></p>	<p>Abstract 250</p>

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>78 METABOLIC BARIATRIC SURGERY FOR THE TREATMENT OF METABOLIC DYSFUNCTION-ASSOCIATED STEATOHEPATITIS (MASH): A SCOPING REVIEW OF BIOMARKER AND HISTOLOGY CHANGES.</b>  <i>Aryan Shah, Amir Mohammadi, Adeel Haq, David Walji and Boris Zevin, Kingston, Ontario, Canada; Toronto, Ontario, Canada. Queen's University</i></p>	<p>Abstract 251</p>
<p><b>79 IS TIBIOTALOCALCANEAL FUSION A RELIABLE ALTERNATIVE TO ORIF IN ACUTE TRAUMATIC ANKLE FRACTURES IN GERIATRIC PATIENTS?</b>  <i>Alexandra Stump, Sean Renfree, Mohammed Abbas, David Haddad, Amber Gordon, Spencer Knight and Travis Hughes, Tucson, AZ. The University of Arizona College of Medicine Tucson</i></p>	<p>Abstract 252</p>
<p><b>80 SOCIOECONOMIC RISK FACTORS OF SLIPPED CAPITAL FEMORAL EPIPHYSIS REPAIR; INSURANCE STATUS VERSUS AREA DEPRIVATION INDEX AS SURROGATE MARKERS.</b>  <i>Roan E. Willson, Jenny Sheasley and Gregory Schmale, Minneapolis, MN; Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 253</p>

**POSTER SESSION II**

**Posters 82-152**

*Carpenter Hall, Sunset Center*

**All posters presented at the same time**

**6:00-7:00 pm**

- Cardiology – 81-92**
- Diversity, Equity, Inclusion Research – 93**
- Endocrinology and Metabolism – 94-95**
- Gastroenterology – 96-100**
- Healthcare Delivery Research – 101-128**
- Hematology and Oncology – 129-139**
- Immunology and Rheumatology – 140-147**
- Infectious Diseases – 148-152**

---

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>81 MAY-THURNER LIKE SYNDROME: A CASE REPORT.</b>  <i>Arian Ashrafi, Oluwatoni Afolabi, Nihad Al-Yousfi, Henry Donsanouphit and Shikha Mishra, Miramar, FL; Bakersfield, CA. Ross University School of Medicine</i></p>	<p>Abstract 254</p>

<b>Poster Number</b>	<b>Abstract/Program Number</b>
<p><b>82 APPLYING RASPBERRY PI TECHNOLOGY TO INDUCE ATRIAL FIBRILLATION IN SWINE.</b>  <i>Fox W. Bravo, Adrian Grijalva, Alan Salciccioli, Daniel Benson, Mary Kaye Pierce, Thomas Moukabary, John Hortareas, Steven Goldman and Talal Moukabary, Tucson, AZ; Northridge, CA; Tempe, AZ. The University of Arizona College of Medicine Tucson The University of Arizona Sarver Heart Center</i></p>	<p>Abstract 255</p>
<p><b>83 HYALURONIC ACID-BASED CARDIOMIMETIC HYDROGEL FOR CELL DELIVERY.</b>  <i>Elizabeth Chen, Amay Srivastava and Finosh G. Thankam, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 256</p>
<p><b>84 THE SIGNIFICANCE OF CLINICAL SUSPICION, FROM EDEMA TO STREPTOCOCCUS INFANTARIUS ENDOCARDITIS.</b>  <i>Kevin T. Dao, Jose G. Corella, Breeanna Carlson, Hina Khanzada, Shravya Dharambhat and Kasey Fox, Bakersfield, CA. Kern Medical Center</i></p>	<p>Abstract 257</p>
<p><b>85 30 YEAR REVIEW OF ARRHYTHMIA BURDEN FOLLOWING EXTRACARDIAC PERICARDIAL LATERAL TUNNEL FONTAN SURGERY.</b>  <i>Carter Foster, Rohan Kubba, Jesse Lee, Anees Razzouk and Randall Fortuna, Loma Linda, CA. Loma Linda University (WSMRF)</i></p>	<p>Abstract 258</p>
<p><b>86 ANATOMICAL VARIATIONS REGARDING THE FOSSA OVALIS.</b>  <i>Sadia Khan, Ellen Fricano and Catherine Llera Martín, Pomona, CA. Western University of Health Sciences</i></p>	<p>Abstract 259</p>
<p><b>87 IMPACT OF METHAMPHETAMINE ROUTE OF ADMINISTRATION ON CARDIAC FUNCTION.</b>  <i>Emily J. Lyon, Sabrina A. Yip, Ananya Narasimhan, Katlin Wieselthier, Gursavan Khatkar, Lovedip Kooner, Joachim Brown, Hector Arreaza and Sebastien Fuchs, Pomona, CA; Bakersfield, CA. Western University of Health Sciences</i></p>	<p>Abstract 260</p>
<p><b>88 ASSESSMENT OF CARDIAC FIBROSIS IN A MOUSE MODEL OF CARCINOID DISEASE.</b>  <i>Robert S. Nixon and Belinda McCully, Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest</i></p>	<p>Abstract 261</p>

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>89 USE OF MOLECULAR MICROSCOPE DIAGNOSTIC SYSTEM TO ASSESS EARLY VS. LATE REJECTION DETECTED BY ENDOMYOCARDIAL BIOPSY AMONG HEART TRANSPLANT RECIPIENTS.</b>  <i>Gaithrri Shanmuganathan, Peter Deckerman, Avani Kanungo, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute</i></p>	<p>Abstract 262</p>
<p><b>90 ASSOCIATION OF EUSTACHIAN VALVE MORPHOLOGY WITH CARDIOVASCULAR DISEASE RELATED MORTALITY.</b>  <i>Pallavi Sripathi, Lan Tran, Ellen Fricano and Catherine Llera Martín, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 263</p>
<p><b>91 CORONARY VASOSPASM PRESENTING WITH DIFFUSE ST ELEVATIONS AND POLYMORPHIC VENTRICULAR TACHYCARDIA.</b>  <i>Thu T. Tran and Shirin Jimenez, Sacramento, CA. UC Davis Health</i></p>	<p>Abstract 264</p>
<p><b>92 COIL EMBOLIZATION IN ADULT PATIENT WITH COARCTATION OF AORTA: ANESTHETIC MANAGEMENT.</b>  <i>Huy Truong, Kenneth Nguyen, Chris Baker and Ioana Pasca, Moreno Valley, CA. Riverside University Health System</i></p>	<p>Abstract 265</p>
<p><b>93 EVALUATION OF ELIGIBILITY CRITERIA FOR PROSPECTIVE TRIALS IN CHRONIC LYMPHOCYTIC LEUKEMIA OVER THE PAST 20 YEARS.</b>  <i>Laura Budvytyte and Talal Hilal, Scottsdale, AZ. Mayo Clinic Arizona</i></p>	<p>Abstract 266</p>
<p><b>94 LONG-TERM USE OF ANTI-EPILEPTICS AND ITS ROLE IN DEMINERALIZATION OF BONE.</b>  <i>Samir Salameh, Robert Collins, Wessam Daoud, Alen Karapetians and Cesar Aranguri, Bakersfield, CA. Kern Medical Center</i></p>	<p>Abstract 267</p>
<p><b>95 "MISSED DIAGNOSES IN MENTAL HEALTH: A CASE STUDY OF ADVANCED THYROID CANCER IN A PATIENT WITH SCHIZOAFFECTIVE DISORDER".</b>  <i>Sara Kohandani, Ani Galfayan and Davin Agustines, Pomona, CA; Sylmar, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific, Olive View-UCLA Medical Center</i></p>	<p>Abstract 268</p>

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>96 LACTOBEZOAR IN A PRE-TERM INFANT IN THE OUTPATIENT SETTING.</b>  <i>Sayeh Akhavan, Ayesha Baig and Joshua Warolin, Madera, CA. Valley Children's Hospital</i></p>	Abstract 269
<p><b>97 A RARE LIVER DISEASE OR A COMMON CULPRIT OF HEPATOPATHY?</b>  <i>Aamna Asif, Sandra Abadir and Setrak Azrenkassian, Thousand Oaks, CA. Los Robles Regional Medical Center</i></p>	Abstract 270
<p><b>98 A LITERATURE REVIEW OF GLUTATHIONE THERAPY IN AMELIORATING HEPATIC FUNCTION IN PATIENTS WITH NONALCOHOLIC FATTY LIVER DISEASE.</b>  <i>Andrew Lian, Michelle T. Nguyen and Vishwanath Venketaraman, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	Abstract 271
<p><b>99 A CASE OF MIXED CONNECTIVE TISSUE DISEASE WITH AUTOIMMUNE CHOLANGITIS AND WAIHA.</b>  <i>Rupam Sharma, Jose F. Garcia-Corella, Harmanjeet Dhillon, B.Quynh Huynh, Ishaan Kalha, Stanley Kim, William Stull, Kasey Fox and Greti Petersen, Bakersfield, CA. Kern Medical Center</i></p>	Abstract 272
<p><b>100 A CASE OF AMOXICILLIN-CLAVULANIC ACID-INDUCED LIVER INJURY.</b>  <i>Jane Y. Tian, Sandra Abadir and Ramesh Nathan, Thousand Oaks, CA. Los Robles Regional Medical Center</i></p>	Abstract 273
<p><b>101 EXPLORING THE EFFECTS OF FINANCIAL FACTORS ON SUFFICIENT MCAT PREPARATION.</b>  <i>Hasmik Adetyan, Aren Dermarderosian, Mary J. Keushkerian*, Rita S. Keushkerian* and Sarmen Sarkissian, Los Angeles, CA; Cerritos, CA; Glendale, CA. University of California Los Angeles (WAFMR)</i></p>	Abstract 274
<p><b>102 ANALYZING MATCH TRENDS FOR RESIDENCY APPLICANTS IN OBSTETRICS-GYNECOLOGY.</b>  <i>Layla Ali, Niloufar S. Tehrani, Gurkiranjeet Gakhal, Adam Y. Ali, Samuel Salib, Hannah Wolfson and Michael S. Wong, Elk Grove, CA. California Northstate University College of Medicine</i></p>	Abstract 275

**Poster  
Number**

**Abstract/Program  
Number**

- 103 ANIMATED METHOD OF LOCI DIABETES EDUCATION VIDEO FOR PATIENTS IN LONGVIEW, WASHINGTON.**  
*Abigail J. Anderson and Toby Keys, Seattle, WA. University of Washington*  
Abstract 276
- 104 FAMILY HISTORY HAS NO IMPACT ON COMMUNITY HEALTH KNOWLEDGE AMONG WOMEN.**  
*Taliyah Borromeo, Javier E. Lopez, Tashina Hayduk and Shadi Aminololama-Shakeri, Sacramento, CA. University of California Davis*  
Abstract 277
- 105 SOCIAL DETERMINANTS OF HEALTH AMONG FAMILIES SEEKING EMERGENCY CARE: ASSOCIATIONS BETWEEN DEMOGRAPHICS, SDOH SCREENING, AND SOCIAL SERVICE NEEDS.**  
*Spencer C. Buted, Mairead Dillon, Carl Elston, Meredith Meadows, Alex Mahoney and Kathleen Adelgais, Aurora, CO; Boulder, CO. University of Colorado Anschutz Medical Campus School of Medicine*  
Abstract 278
- 106 HIGHWAY TO HEALTHCARE: SCREENING PATIENTS AT FRESNO CHILDREN'S PEDIATRICS CLINIC FOR TRANSPORTATION INSECURITY.**  
*Enjuli K. Chhaniara and Erin Vaughn, Madera, CA. Valley Children's Healthcare*  
Abstract 279
- 107 REDUCING TUBERCULOSIS CASES IN CHILDREN USING THE BACILLUS CALMETTE GUERIN VACCINE IN THE YUKON-KUSKOKWIM DELTA.**  
*Stephen Compton and Toby Keys, Seattle, WA. University of Washington School of Medicine*  
Abstract 280
- 108 SICK OF SICKLING: CRAFTING CARE PLANS THAT MAKE A DIFFERENCE.**  
*Teaghan Cowles, Katie VanBockern, Linde Bischak, Grace Borkowski, Mia L. Dobbin, Chelsea Leversedge, Michelle Knees, Anusha Raja and Samuel Porter, Spokane, WA; Aurora, CO; Hanover, NH; Chicago, IL; Parker, CO. Washington State University*  
Abstract 281
- 109 EDUCATING FUTURE PHYSICIANS ON THE HEALTHCARE DISPARITIES FACED BY HOUSING-INSECURE WOMEN.**  
*Alexis Duke, Keina Yoo, Carol Lee, Katiene Yau, Kate M. Santoso and Christina Miller, Loma Linda, CA. Loma Linda University School of Medicine*  
Abstract 282

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>110 PESTICIDE EXPOSURE EDUCATION TO IMPROVE FARMWORKER AGENCY IN NAIVASHA, KENYA.</b>  <i>Miranda R. Ellis and Douglas Bosibori, Seattle, WA. University of Washington (WSMRF)</i></p>	Abstract 283
<p><b>111 MICROBIOLOGY LAB CURRICULUM IMPROVEMENTS FOR MEDICAL STUDENTS AT LOMA LINDA UNIVERSITY.</b>  <i>Daniel J. Eng and Kylie J. Watts, Loma Linda, CA. Loma Linda University School of Medicine</i></p>	Abstract 284
<p><b>112 EXAMINING SOCIOECONOMIC DISPARITIES AND UNDEREXPLORED BARRIERS TO MEDICATION ADHERENCE IN THE GREATER ATLANTA AREA.</b>  <i>Dumidu K. Gunawardana and John Lindo, Atlanta, GA. Emory University</i></p>	Abstract 285
<p><b>113 FOOD IS HEALING: EMPOWERMENT THROUGH BLACKFEET FOOD SOVEREIGNTY.</b>  <i>Jessica H. Huang and Toby Keys, Seattle, WA. University of Washington School of Medicine</i></p>	Abstract 286
<p><b>114 INCREASING ADOLESCENT MENTAL HEALTH SCREENING IN HELENA, MONTANA.</b>  <i>Amarpreet Kandola and Toby Keys, Seattle, WA. University of Washington School of Medicine</i></p>	Abstract 287
<p><b>115 ADVOCATING FOR A UNITED AND EQUITALBE COMMUNITY VIA THE UPTOWN BUSINESS IMPROVEMENT DISTRICT IN BUTTE, MONTANA.</b>  <i>Chelsea Koessel and Toby Keys, Seattle, WA. University of Washington School of Medicine (WSMRF)</i></p>	Abstract 288
<p><b>116 PARTICIPANT ATTITUDES TOWARDS A MIXED-GENDER SEXUAL HEALTH EDUCATION PROGRAM IN RURAL NEPAL.</b>  <i>Gilbert Lee, Joshua Cunningham, Sophia Sidi, Danlin Zeng, Precilia Kong, Agnes Ho, Suraya K. Bondy, Dinesh Raj Sapkota, Sheekha Kumal, Lisa Nakajima and Videsh Kapoor, Vancouver, , Canada; Kathmandu, Nepal. The University of British Columbia Faculty of Medicine</i></p>	Abstract 289

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>117 EVALUATING THE “CYCLE SYNCING” PHENOMENON: ENGAGEMENT AND ACCURACY OF HEALTH CLAIMS ON TIKTOK.</b>  <i>Zoe Levin, Hannah Anvari and Anita L. Nelson, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 290</p>
<p><b>118 REDUCING EMERGENCY DEPARTMENT UTILIZATION WITH MOBILE OUTREACH PROGRAMS IN YAKIMA, WASHINGTON.</b>  <i>David Lindgren and Toby Keys, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 291</p>
<p><b>119 OPTIMIZING CLERKSHIP SCHEDULING: A COMPARISON OF CALIFORNIA ALLOPATHIC MEDICAL SCHOOL MODELS.</b>  <i>Lyanne Lu, Ryotaro Fukuda, Katherine Liu and Aye Chan Moe, Davis, CA. University of California Davis</i></p>	<p>Abstract 292</p>
<p><b>120 EXPLORING POPULAR MEDIA AS NOVEL TEACHING MODALITIES FOR IMMUNOLOGY.</b>  <i>Tianyu Luo, Richard Ma, Evan D. Cho, Justin Ji, Dylan Cooper, Nathaniel J. Tsai, Valerie Gerriets and John Cusick, Elk Grove, CA. California Northstate University College of Medicine</i></p>	<p>Abstract 293</p>
<p><b>121 FINANCIAL LIMITATIONS TO IDEAL MCAT PREPARATION.</b>  <i>Nicole Mousioian, Aren Dermarderosian and Sarmen Sarkissian, La Jolla, CA; Los Angeles, CA; Cerritos, CA; Glendale, CA. University of California San Diego (WAFMR)</i></p>	<p>Abstract 294</p>
<p><b>122 THE FUTURE OF RADIOLOGY: AUGMENTED AND VIRTUAL REALITY TECHNOLOGY IN MEDICINE.</b>  <i>Kayla Nakashima, Kasha Chen, Shane Toma, Monica Gerges, Sohrab Kharabaf and Roozbeh Houshyar, Irvine, CA. University of California Irvine</i></p>	<p>Abstract 295</p>
<p><b>123 BUILDING AN ONLINE-RESOURCE HUB FOR SEXUALLY TRANSMITTED INFECTIONS HEALTH EDUCATION IN HILL COUNTY, MONTANA.</b>  <i>Mary Stoa and Toby Keys, Seattle, WA. University of Washington School of Medicine</i></p>	<p>Abstract 296</p>



<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>.124 PRIORITIZING EQUITABLE HEALTHCARE DELIVERY FOR UNHOUSED PEOPLE IN SACRAMENTO THROUGH HEALTH INSURANCE ACCESSIBILITY: A COMMUNITY HEALTH PROJECT.</b>  <i>Jeetu Sujith, Joseph Morrison and Kate Richards, Sacramento, CA. University of California, Davis School of Medicine</i></p>	<p>Abstract 297</p>
<p><b>125 FROM CT IMAGING TO 3D PRINTING: ASSESSING LEARNING CHALLENGES FACED BY MEDICAL STUDENTS AND RESIDENTS.</b>  <i>Adrian Tabari, Alex Suen and Matthew Turnock, Vancouver, , Canada. The University of British Columbia Faculty of Medicine</i></p>	<p>Abstract 298</p>
<p><b>126 QUALITATIVE STUDY OF THE KNOWLEDGE, COMFORT, AND VARIABILITY IN ADMINISTERING BEHAVIORAL HEALTH SCREENINGS IN A FREE, COMMUNITY STUDENT-RUN CLINIC.</b>  <i>Darlene Tran, Nicole Nagayama, Jose M. Olivas-Blanco and Kate Richards, Sacramento, CA. University of California Davis</i></p>	<p>Abstract 299</p>
<p><b>127 TO SCREEN OR NOT TO SCREEN? VOICES FROM ONLINE SEXUAL TRAUMA SUPPORT GROUPS ON WHY PROVIDERS SHOULD SCREEN FOR A HISTORY OF SEXUAL TRAUMA.</b>  <i>Sachee Vora, Anita Nelson and Yadi Fernandez-Sweeny, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific</i></p>	<p>Abstract 300</p>
<p><b>128 EVALUATION OF A PAIN MANAGEMENT PROGRAM IN RURAL NEPAL.</b>  <i>Niyooosha Yoosefi, Adrian Tabari, Joshua Cunningham, Teagan M. MacDougall, Sara Blais, Dinesh Raj Sapkota and Videsh Kapoor, Vancouver, , Canada; Kathmandu, Nepal. The University of British Columbia Faculty of Medicine</i></p>	<p>Abstract 301</p>
<p><b>129 ADENOID BASAL CELL CARCINOMA: AN UNDERRECOGNIZED CERVICAL MALIGNANCY.</b>  <i>Alisha K. Daroch, Juliana Schilsky, Arielle Katcher, Tahyna Hernandez and Marina Frimer, New Hyde Park, NY; New York, NY. The City College of New York CUNY School of Medicine Northwell Health</i></p>	<p>Abstract 302</p>
<p><b>130 A PILOT SURVEY ON THE GENERALIZED AWARENESS OF THE RISING INCIDENCE OF COLON CANCER IN YOUNG PEOPLE.</b>  <i>Christian Dergazarian, Angela Hakobyan, Aren Dermarderosian and Sarmen Sarkissian, Cerritos, CA; Glendale, CA. Armenian American Medical Society (WAFMR)</i></p>	<p>Abstract 303</p>

- | <b><u>Poster<br/>Number</u></b>   | <b><u>Abstract/Program<br/>Number</u></b> |
|---|---|
| <p><b>131 MENINGIOMA SURVIVORSHIP, GENOMICS, AND CLINICAL LANDSCAPE THROUGH USAGE OF THE ONCOLOGY RESEARCH INFORMATION EXCHANGE NETWORK BRAIN CANCER DATABASE.</b><br/> <i>Hannah E. Herring, Sydney Y. Brown and Frances E. Chow, Albuquerque, NM; Los Angeles, CA. University of New Mexico Health Sciences Center</i></p>                | <p>Abstract 304</p>                       |
| <p><b>132 ISOPROPYL B-D-1-THIOGALACTOPYRANOSIDE AS A MEANS FOR ENHANCED PROSTATE CANCER CELL GROWTH.</b><br/> <i>Saige P. Ju, Claire Gillette and Scott Cramer, Aurora, CO. University of Colorado Anschutz Medical Campus (WSMRF)</i></p>  | <p>Abstract 305</p>                       |
| <p><b>133 MANAGING ACUTE BLOOD LOSS ANEMIA IN A PATIENT WITH ANTI-LAN ANTIBODIES.</b><br/> <i>Padmaja Krishnan, Jonathan Jones, Diego Del Caprio, Chris Baker, Ioana Pasca and Leonard Soloniuk, Buies Creek, NC; Moreno Valley, CA. Campbell University School of Osteopathic Medicine Riverside University Health System</i></p>          | <p>Abstract 306</p>                       |
| <p><b>134 A DECADE IN REVIEW: SCREENING AND EDUCATION FOR SICKLE CELL DISEASE IN RURAL NEPAL.</b><br/> <i>Teagan M. MacDougall, Joshua Cunningham, Sara Blais, Niyoocha Yoosefi, Adrian Tabari, Dinesh Raj Sapkota and Videsh Kapoor, Vancouver, , Canada; Kathmandu, Nepal. The University of British Columbia Faculty of Medicine</i></p> | <p>Abstract 307</p>                       |
| <p><b>135 DOUBLE HEMOLYTIC CRISIS WITH VASO-OCCLUSION AND AUTOIMMUNE PHENOMENA: AN INTERSECTION BETWEEN PLASMA AND RED CELL EXCHANGE.</b><br/> <i>Birk Nielsen, Sandra Abadir and Jasprit Takher, Thousand Oaks, CA. Los Robles Regional Medical Center</i></p>   | <p>Abstract 308</p>                       |
| <p><b>136 A REMARKABLE RESPONSE TO NEOADJUVANT IMMUNOTHERAPY IN LYNCH SYNDROME.</b><br/> <i>Aneri B. Patel, Alexander Chiang and Rashmi Verma, Davis, CA; Sacramento, CA; Oakland, CA. University of California Davis</i></p>   | <p>Abstract 309</p>                       |
| <p><b>137 ROSAI-DORFMAN DISEASE IN A CHILD WITH A HISTORY OF PRE-B CELL ACUTE LYMPHOBLASTIC LEUKEMIA.</b><br/> <i>Jorvic Justin V. Ramos and Faisal Razzaqi, Madera, CA. Valley Children's Healthcare</i></p>   | <p>Abstract 310</p>                       |

<b><u>Poster Number</u></b>	<b><u>Abstract/Program Number</u></b>
<p><b>138 GENERATION OF CONCEPTS FOR A CORE DOMAIN SET TO ASSESS HEALTH-RELATED QUALITY OF LIFE IN PATIENTS WITH CUTANEOUS T-CELL LYMPHOMA: A MIXED METHODS STUDY.</b>  <i>Caroline Raymundo, Jennifer Chen, Christina Asare, Aliya Shabbir, Isabel Yoon, Susan Thornton and Michi Shinohara, Seattle, WA; Washington, ; Boston, MA; Philadelphia, PA; Birmingham, MI. University of Washington School of Medicine (WSMRF)</i></p>	<p>Abstract 311</p>
<p><b>139 SEVERE HYPERTRIGLYCERIDEMIA IN 4-MONTH-OLD INFANT PRESENTING WITH CARDIAC FAILURE AND FAILURE TO THRIVE: A POSSIBLE ASSOCIATION WITH VITAMIN B12 DEFICIENCY.</b>  <i>Eric Yang, Wayne Kuang and Supriya Sharma, Los Angeles, CA. University of Southern California Keck School of Medicine University of California Los Angeles</i></p>	<p>Abstract 312</p>
<p><b>140 ELUCIDATING THE IMPORTANCE OF RELT LOCALIZATION AND ITS INTERACTION WITH FILAMIN A.</b>  <i>Ashley Christensen, Cara Yee, Evan Cho, Hannah Chang, Yennie Shyu, Alyssa Abram, Jessa Alcaide and John Cusick, Elk Grove, CA. California Northstate University College of Medicine</i></p>	<p>Abstract 313</p>
<p><b>141 TOXICODENDRON DERMATITIS: BRIDGING GAPS TO IMPROVE PATIENT CARE OUTCOMES.</b>  <i>Andrew B. Fay and Sharon Jacob, Loma Linda, CA. Loma Linda University</i></p>	<p>Abstract 314</p>
<p><b>142 DO DIFFERENT LEVELS OF IASTM FORCES IMPACT THE EFFECTIVENESS OF THE TREATMENT TO IMPROVE DORSIFLEXION?</b>  <i>David G. Kirk, John Wadner, Kaden M. Kunz and Nickolai Martonick, Seattle, WA; Moscow, ID. University of Washington (WSMRF)</i></p>	<p>Abstract 315</p>
<p><b>143 CASE REPORT OF CORTICOSTEROID TREATMENT OF LEDDERHOSE'S DISEASE (PLANTAR FIBROMATOSIS).</b>  <i>Adriana Rodriguez, St. Michael, Barbados. Ross University School of Medicine</i></p>	<p>Abstract 316</p>
<p><b>144 NOVEL INNOVATIVE CONTRAST WITH MICRO-CT REVEALS DETAILED VASCULARITY OF RAT HINDLIMBS FOR FUTURE COMMONLY INJURED MUSCULOSKELETAL STUDIES IN HUMANS.</b>  <i>Nicolaus E. Salm, Ellis Akana, Sydney Kobak, Trevor Eickman, Brion Benninger and Belinda McCully, Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest</i></p>	<p>Abstract 317</p>

- | <b>Poster<br/>Number</b>   | <b>Abstract/Program<br/>Number</b> |
|--|------------------------------------|
| <p><b>145 VULVAR LICHEN SIMPLEX CHRONICUS: MULTI-MODAL THERAPEUTIC APPROACH TO A MULTIFACETED CONDITION.</b><br/> <i>Rachel M. Taylor and Sharon Jacob, Riverside, CA; Loma Linda, CA. Loma Linda University School of Medicine</i></p>  | <p>Abstract 318</p>                |
| <p><b>146 ACRYLATE CONTACT DERMATITIS FROM UV CURED GEL NAILS CAUSING NAIL DYSTROPHY.</b><br/> <i>Jennifer L. Wittmann and Irene Mannering, Reno, NV. University of Nevada Reno</i></p>  | <p>Abstract 319</p>                |
| <p><b>147 TRIFECTA LEARNING MODALITIES INTEGRATING THE MIXED REALITY XR-4 VARJO SYSTEM AIDS MUSCULOSKELETAL ULTRASOUND TRAINING WITH GE VSCAN..</b><br/> <i>Joseph D. Yankee, Patrick Forcier, Ethan M. Fulsher and Brion Benninger, Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest</i></p> | <p>Abstract 320</p>                |
| <p><b>148 A RARE CASE OF PERITONEAL COCCIDIOIDOMYCOSIS PRESENTING AS ABDOMINAL PAIN.</b><br/> <i>Mania Mgdssyan, Essam S. Hashem, Jose G. Corella, Shikha Mishra, Alexandra W. Elias and Rasha Kuran, Bakersfield, CA; Pomona, CA; Miramar, FL. Kern Medical Center</i></p>  | <p>Abstract 321</p>                |
| <p><b>149 ATYPICAL CASE OF STREPTOCOCCUS INTERMEDIUS: ILIOPSOAS ABSCESS AND CAUDA EQUINA SYNDROME.</b><br/> <i>Hyeok-Yoon Kwon and Omkar Parthab, Saint Catharines, , Canada; Hamilton, , Canada. McMaster University Faculty of Health Sciences</i></p>   | <p>Abstract 322</p>                |
| <p><b>150 A RARE CASE OF KLEBSIELLA PNEUMONIAE PROSTATE ABSCESS COMPLICATED BY SEPSIS DUE TO FOLEY CATHETER MANIPULATION.</b><br/> <i>Brian Rodriguez and Rebecca Witherell, Naples, FL. NCH Healthcare System</i></p>   | <p>Abstract 323</p>                |
| <p><b>151 A CASE OF REACTION TO LIPOSOMAL AMPHOTERICIN B AS THE LAST RESORT FOR TREATMENT OF SPINAL DISSEMINATED COCCIDIOIDOMYCOSIS: A DESPERATE SITUATION.</b><br/> <i>Sukhjinder Sandhu, Nosheen Hasan and Arash Heidari, Bakersfield, CA; Atlanta, GA. Bakersfield Memorial Hospital Bakersfield College</i></p>                                      | <p>Abstract 324</p>                |
| <p><b>152 A UNIQUE PRESENTATION OF PRIMARY CUTANEOUS COCCIDIOIDOMYCOSIS, BY INFECTING BURN WOUNDS WITH EXTENSIVE CONTIGUOUS LOCAL SPREAD.</b></p>  |                                    |

**CONCURRENT SESSIONS**

**Friday, January 17, 2025**

**8:00 AM – 10:00 AM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

**Cardiovascular III.....Promenade Lobby  
Case Reports I .....Carpenter Hall  
Endocrinology and Metabolism II.....Carmel Women’s Club  
Gastroenterology.....Babcock #6  
Genetics I.....Rehearsal Room  
Healthcare Delivery Research III.....Conductor’s Room  
Neonatology – General III.....All Saints Church, Seccombe Hall  
Neonatology – Perinatal Biology I.....Chapman #4  
Pediatrics and Adolescent Medicine II.....Studio 105  
Surgery III .....Room 5, Sunset Center**

---

**Cardiovascular III**

Promenade Lobby (Sunset Center)

*Joshua G. Goldhaber, Presiding*

**8:00 CLINICAL CHARACTERISTICS AND OUTCOMES OF HEART TRANSPLANT RECIPIENTS WITH HIGH DD-CFDNA AND LOW GEP SCORE.**

Joel Beck, Avani Kanungo, *Peter Deckerman*, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. *Cedars-Sinai Smidt Heart Institute*

Abstract 326

**8:15 FIVE-YEAR OUTCOMES IN YOUNGER VS. OLDER HEART TRANSPLANT RECIPIENTS OF OLDER DONOR HEARTS.**

*Avani Kanungo*, Peter Deckerman, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. *Cedars-Sinai Smidt Heart Institute*

Abstract 327

**8:30 IMMEDIATE VS. DELAYED PRESENTATION OF SEVERE PRIMARY GRAFT DYSFUNCTION POST-HEART TRANSPLANTATION AND ITS ASSOCIATION**

**WITH CLINICAL OUTCOMES.**

*Jillian Max, Peter Deckerman, Avani Kanungo, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 328

**8:45 PROPHYLAXIS FOR COCCIDIOIDOMYCOSIS IN HEART TRANSPLANT RECIPIENTS RESIDING IN AN ENDEMIC AREA: IS IT SAFE AND EFFECTIVE?**

*Esha Ananth, Avani Kanungo, Peter Deckerman, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 329

**9:00 PRE-HEART TRANSPLANT VASOPLEGIA AND ITS ASSOCIATION WITH POST-TRANSPLANT OUTCOMES.**

*Anushka Bhatnagar, Avani Kanungo, Peter Deckerman, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 330

**9:15 IMMUNOSUPPRESSIVE BLOOD LEVEL MONITORING AT 6-MONTH VS. 3-MONTH INTERVALS AFTER THE SECOND YEAR POST-HEART TRANSPLANT: IS IT SAFE AND ADEQUATE?**

*David Deckerman, Avani Kanungo, Yosef Manla, Mason Lee, Michele Hamilton and Jon Kobashigawa, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute*

Abstract 331

**9:30 FAMILY ATTITUDES TOWARD VENTRICULAR ASSIST DEVICE CONSENT PROCESS IN CHILDREN WITH HEART FAILURE.**

*Ravi Bajpai, Elisabeth Grosvenor, Alaa Youssef, Zoel Quinonez, Seth Hollander, Kim Pyke-Grimm and Danton Char, Stanford, CA. Stanford Medicine*

Abstract 332

**9:45 CATHETER INTERVENTIONS IN PEDIATRIC HEART TRANSPLANT RECIPIENTS.**

*William Z. Blackstone, Seth E. Malaguit and Erik Frandsen, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 333

## Case Reports I

Carpenter Hall

*W. Conrad L. Liles, Presiding*

**8:00 HYALINE FIBROMATOSIS: DISTINCTIVE PHYSICAL AND INTESTINAL MANIFESTATIONS.**

*Ozlem Turedi, Jeremy Woods, Reva Frankel, Robin D. Clark and Joseph Shieh, San Francisco, CA; Madera, CA; Loma Linda, CA. University of California San Francisco School of Medicine*

Abstract 334

**8:15 THE DEVELOPMENT OF SCHIZOPHRENIA IN AN AUTISTIC PATIENT WITH A RARE CHROMOSOME 8P23.1 DELETION.**

*Ambria Pogue and Davin Agustines, Pomona, CA; Los Angeles, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 335

**8:30 PAROXYSMAL DYSTONIA IN A CHILD WITH KBG SYNDROME: EXPANSION OF THE PHENOTYPE AND UTILITY OF WHOLE EXOME SEQUENCING.**

*Christina R. Dantam, Rooman Ahad, Elizabeth Wilkes, Holly N. Summers, Julie F. Beasley and Colleen A. Morris, Las Vegas, NV. University of Nevada Las Vegas Kirk Kerkorian School of Medicine*

Abstract 336

**8:45 ABERRANT GROWTH AND INTELLECTUAL DISABILITY IN A CASE OF SOTOS SYNDROME.**

*Serin Springer, Sierra Pond, Janice Palumbos and Dave Viskochil, Salt Lake City, UT. University of Utah Health*

Abstract 337

**9:00 MYCOBACTERIUM MARINUM SOFT TISSUE INFECTION IN THE CONTEXT OF DIABETES MELLITUS - A CLINICAL REASONING PATHWAY.**

*Reem Sarsour, Monica E. Guirgus, Casey Rice, Matthew Cappiello and Chitra Damodaran, Colton, CA; Loma Linda, CA. Loma Linda University Medical Center*

Abstract 338

**9:15 A RARE MANIFESTATION OF A RARE DISEASE: NODULAR LYMPHOCYTE-PREDOMINANT HODGKIN LYMPHOMA PRESENTING AS PARANEOPLASTIC ASEPTIC MENINGITIS.**

*Aishwarya Saripalli, Elaine Deemer and Leila Moosavi, Bakersfield, CA. Kern Medical Center*

Abstract 339

**9:30 PRIMARY THYROID LYMPHOMA: A RARE DIAGNOSIS TREATED WITH POLATUZUMAB VEDOTIN.**

*Rupam Sharma, Arin Orogian, Ralph Garcia-Pacheco, Tung Trang, Matthew Clarke, William Stull and Stanley Kim, Bakersfield, CA. Kern Medical Center*

Abstract 340

**9:45 A CASE OF DELUSIONAL PARASITOSIS PRESENTING AS SEVERE SELF-MUTILATION AND CHEMICAL BURNS: NAVIGATING CHALLENGES IN TREATMENT.**

*Jose M. Olivas-Blanco, Matthew Lara, Kirsi Anselmi-Smith and Xiaofeng Yan, Davis, CA. University of California Davis*

Abstract 341

**Endocrinology and Metabolism I**

Carmel Women's Club

*Lynda Fisher and Mimi S. Kim, Presiding*

**8:00 INCRETIN RECEPTOR AGONISTS AFFECT INSULIN BLOOD BRAIN BARRIER INTERACTIONS.**

*Angeline E. Fry, Alexis Rose and Elizabeth Rhea, Seattle, WA. University of Washington School of Medicine VA Puget Sound Geriatric Research Education and Clinical Center (WSMRF)*

Abstract 342

**8:15 SEX DEPENDENT ROLE OF IKBB IN THE MAINTENANCE OF NORMAL INSULIN SENSITIVITY AND IN THE PANCREATIC ISLET INFLAMMATORY RESPONSE TO NUTRIENT-INDUCED STRESS.**

*Mack Solar, Alicia White, Clyde J. Wright and Paul Rozance, Aurora, CO. University of Colorado Anschutz Medical Campus Department of Pediatrics*

Abstract 343

**8:30 CARBOHYDRATE DILEMMA IN PREGNANCY: DETECTING A THRESHOLD INTAKE FOR GESTATIONAL DIABETES PREVENTION.**

*Heeyun Oh, Hyun Ah Park, Joshua Salguero and Elaine Hart, Loma Linda, CA. Loma Linda University*

Abstract 344

**8:45 INFLUENCE OF DIABETES ON DESCMENT'S STRIPPING AUTOMATED ENDOTHELIAL KERATOPLASTY GRAFT SURVIVAL TIME.**

*Daniel D. Kim, Noah Collins, Sydney Campos, Brian Fish, Justin Youn, Kenneth Park, Adel A. Battikha and Frank Hwang, Loma Linda, CA. Loma Linda University*

Abstract 345

**9:00 TYPE 2 DIABETES MELLITUS AWARENESS AMONG SOUTH ASIANS IN THE UNITED STATES.**

*Emily Peter, Pallavi Sripathi, Ananta Srivastava, Fanglong Dong and Maryam Othman, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)*

Abstract 346



- 9:15 A FUNCTIONAL DATA ANALYSIS OF AT-HOME ACTIVITY AND SLEEP IN KLINEFELTER SYNDROME VERSUS AGE- AND BMI-MATCHED CONTROLS.**  
*Samantha Bothwell, Karli Swenson, Emma Todd, Amelia Middleton and Shanlee Davis, Denver, CO. University of Colorado System (WAP/WSCI Travel Award)*  
 Abstract 347
- 9:30 BRIDGING THE GAP: CLOSING THE DIVIDE BETWEEN KNOWLEDGE AND ACTION BEFORE THE PEDIATRIC TO ADULT DIABETES CARE TRANSITION.**  
*Paulina Dominguez-Vela, Victoria Lopez, Daniel Lopez and Renee Kinman, Visalia, CA; Fowler, CA; Fresno, CA. El Diamante High School*  
 Abstract 348
- 9:45 RACIAL DISPARITIES IN THE USE OF DIABETIC TECHNOLOGY FOR MANAGEMENT OF DIABETES TYPE 1 IN PEDIATRIC PATIENTS.**  
*Thao Pham, Adelene Ahn, Olivia Ardaya, Adelyn Haeseker, Flint Hinton, Suchir Sunkara, Austin Tran and Behnoosh Afghani, Irvine, CA; Orange, CA. University of California Irvine School of Medicine (WSMRF)*  
 Abstract 349
- Gastroenterology**  
 Babcock #6 (Sunset Center)  
*John I. Inadomi and Hal Y. Yee, Presiding*
- 8:00 A CASE OF HEMATEMESIS ASSOCIATED WITH A TRANSPARENT NASOPHARYNGEAL FOREIGN BODY IN A PEDIATRIC PATIENT.**  
*Hiba El-Rahi and Richard Quan, Fresno, CA. University of California San Francisco Department of Medicine Fresno*  
 Abstract 350
- 8:15 HEMATOCHYZIA SECONDARY TO HEPATIC ARTERY EROSION IN Y EROSION IN CHOLANGIOCARCINOM ANGIOCARCINOMA-INDUCED V A-INDUCED VASCULAR ANOM AR ANOMALY.**  
*Hasti Soltani, Sandra Abadir and Zain Mehdi, Thousand Oaks, CA. Los Robles Regional Medical Center (WAP/WSCI Travel Award)*  
 Abstract 351
- 8:30 ASCENDING AND DESCENDING COLON TISSUE METABOLITE DIFFERENCES OF HEALTHY ADULTS ACROSS BMI CLASSES.**  
*Amir H. Kalani, Sahar B. Toulabi, Bridget A. Baxter and Elizabeth P. Ryan, Aurora, CO; Loveland, CO; Fort Collins, CO. University of Colorado Anschutz Medical Campus School of Medicine Colorado State University (WAFMR/WAP/WSCI Student Subspecialty Award)*  
 Abstract 352

**8:45 THE POSTBIOTIC MOLECULES IN THE STOOL OF TYPE 2 DIABETES PATIENTS DISRUPT EPITHELIAL JUNCTIONS AND ELICIT GASTROINTESTINAL INFLAMMATION BEFORE IMPAIRED GLUCOSE TOLERANCE.**

*Ekaterina Ferney, Afiya Aunjum, Madysen Sunell, Lauren Fitzgerald, Lindsay Hall, Chantal Vella, Rayme Geidl and Onesmo Balemba, Moscow, ID; Seattle, WA. University of Washington School of Medicine University of Idaho*

Abstract 353

**9:00 ELECTROPHYSIOLOGICAL RESPONSE OF MURINE INTESTINAL SEGMENTS TO HUMAN FECAL POSTBIOTICS FROM TYPE 2 DIABETES AND HEALTHY DONORS.**

*Weston A. Hobbs, Onesmo Balemba, Vincent A. Singleton, Laurel Nunez, Rayme Geidl, Chantal Vella and Bethaney Fehrenkamp, Seattle, WA; Moscow, ID. University of Washington School of Medicine University of Idaho (WSMRF)*

Abstract 354

**9:15 FROM DIET TO DYSFUNCTION: TRANSCRIPTOMIC INVESTIGATIONS OF FECAL POSTBIOTICS AND THEIR LINK TO GI DYSMOTILITY.**

*Weston A. Hobbs, Laurel Nunez, Sierra Keele, Afiya Aunjum, Rayme Geidl, Chantal Vella, Onesmo Balemba and Bethaney Fehrenkamp, Moscow, ID; Seattle, WA. University of Washington School of Medicine University of Idaho (WSMRF)*

Abstract 355

**9:30 AUTOIMMUNE RECOVERY DIETARY MODIFICATIONS FOR IRRITABLE BOWEL SYNDROME: A CASE REPORT.**

*Cherisse Tompkins, Maya Paniagua, Mercy Ballard, Joyce Choe, Megan Ervin, Rosemarie Florian, Zachary Sheperd and Sylvia Cramer, Loma Linda, CA. Loma Linda University School of Medicine (WAFMR)*

Abstract 356

**9:45 CLINIC RETENTION RATE ASSOCIATIONS FOR PEDIATRIC PATIENTS WITH NEWLY DIAGNOSED MASLD.**

*Lule A. DeShields and Rachel Herdes, Los Angeles, CA; Stanford, CA. Charles R Drew University of Medicine and Science College of Medicine (WSMRF)*

Abstract 357

**Genetics I**

Rehearsal Room (Sunset Center)

*Suha Bachir and Danny Miller, Presiding*

**8:00 IN UTERO ENZYME REPLACEMENT THERAPY FOR LYSOSOMAL STORAGE DISORDERS.**

*Akos Herzeg, Beltran Borges, Billie R. Lianoglou, Juan Gonzalez-Velez, Sarah Young, Michael Gelb, Zachary Herbst, Emma Canepa, Dane Munar, Deeksha Bali, Pranesh Chakraborty, Jennifer L. Cohen, Priya Kishnani, Paul Harmatz and Tippie MacKenzie, San*

Francisco, CA; Durham, NC; Seattle, WA; Ottawa, Canada. *University of California San Francisco (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 358

**8:15 A PROOF-OF-CONCEPT STUDY TO EVALUATE THE SAFETY AND EFFICACY OF VOSORITIDE FOR THE TREATMENT OF GROWTH DEFICITS IN MPS IVA AND VI.**

*Eden Gibson, Leslie Lynch, Jacqueline Madden, Irene Chang, Paul Harmatz and Ellen Fung, Oakland, CA. UCSF Benioff Children's Hospital Oakland*

Abstract 359

**8:30 A HUMAN CELLULAR MODEL OF DARIER DISEASE DEFINES NEW POTENTIAL TREATMENT STRATEGIES.**

*Rafael O. Homer, Afua Tiwaa, Arti Parihar, Mrinal Sarkar, Johann E. Gudjonsson and Cory L. Simpson, Seattle, WA; Ann Arbor, MI. University of Washington School of Medicine (WSMRF)*

Abstract 360

**8:45 HIGH-DOSE PYRIDOXINE PREVENTS GLOMERULOSCLEROSIS AND OTHER DISEASE PHENOTYPES IN A HUMAN PATIENT AND A NOVEL KNOCK-IN MOUSE MODEL OF *SGPL1*<sup>R222Q</sup> VARIANT SPHINGOSINE PHOSPHATE LYASE INSUFFICIENCY SYNDROME.**

*Ranjha Khan, Maria L. Allende, Ehtesham Khalid, Richard L. Proia, Joanna Lee, Jeffrey B. Hodgkin, Yingbao Yang, Babak Oskouian, Yu-Tang Chang and Julie D. Saba, San Francisco, CA; Bethesda, MD; New Orleans, LA; Ann Arbor, MI. University of California San Francisco (WSPR Chiesi Fellow Award)*

Abstract 361

**9:00 PRENATAL, BIRTH, AND NEONATAL OUTCOMES IN SEX CHROMOSOME ANEUPLOIDIES: DATA FROM THE INSIGHTS AND GALAXY REGISTRIES.**

*Alyssa Keller, Alexandra Carl, Samantha Bothwell, Karli Swenson, Susan Howell, Nicole Tartaglia and Shanlee Davis, Aurora, CO. Children's Hospital Colorado (WSPR Chiesi Undergraduate Award)*

Abstract 362

**9:15 FAMILIAL VARIABILITY IN ZMIZ1-RELATED NEURODEVELOPMENTAL DISORDER WITH DISTINCTIVE FACIAL FINDINGS AND DISTAL SKELETAL FEATURES.**

*Kristine Camille Ongaiqui and Cynthia J. Curry, Fresno, CA; Stanford, CA. Stanford Medicine*

Abstract 363

**9:30 MOLECULAR MECHANISMS AND CLINICAL SIGNIFICANCE OF TETRAPLOIDY IN HUMAN CONCEPTIONS.**

*Deepali Shinde, Courtney Sparger, Mahmoud Aarabi, Elizabeth M. Spiteri, Lauren*

Skvarca and Svetlana A. Yatsenko, Palo Alto, CA; Pittsburgh, PA. *Stanford University School of Medicine (WSPR)*

Abstract 364

**9:45 MALES WITH RETT SYNDROME: DATA-DRIVEN DESCRIPTION TO MOVE BEYOND THE MISCONCEPTIONS.**

*Dennis Gurfinkel, Talia G. Thompson, Lori Silveira, Natalia Klamut, Cary Fu, Kate Ferdinandsen, Amitha Ananth, Jane Lane, Eric Marsh, Alan Percy, Jeffrey Neul and Timothy Benke, Aurora, CO; Nashville, TN; Birmingham, AL; Philadelphia, PA. Adult and Child Consortium for Health Outcomes Research and Delivery Science (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 365

**Healthcare Delivery Research III**

Conductor's Room

*Steven Crosby, Presiding*

**8:00 TRAINING OPPORTUNITIES IN REPRODUCTIVE JUSTICE AND REPRODUCTIVE RIGHTS FOR PEDIATRICS RESIDENTS.**

*Catherine M. Marken, Claudia Douglas, Taraneh Shafii and Sarah A. Golub, Spokane, WA; Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 366

**8:15 NEONATAL EMBEDDED SOCIAL SUPPORT TEAM: A NOVEL FRAMEWORK FOR SOCIAL DETERMINANTS OF HEALTH SCREENING.**

*Denissa Widiarto, Tzelzin Hernandez, Brendan Terry, Jessica Esparza Del Toro, Agustin Diaz, Angela Casarez, McKenna Klein, Leila Etemad, Srujana Rallabandi and Valerie Gribben, San Francisco, CA. University of California San Francisco School of Medicine*

Abstract 367

**8:30 A SURVEY OF AUGMENTED/VIRTUAL REALITY INTEREST IN MEDICAL SETTINGS.**

*Cameron D. Bean, Landon D. Hamilton and Julie Dunn, Aurora, CO; Loveland, CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 368

**8:45 OPTIMIZING HEALTHCARE DELIVERY FOR SACRAMENTO'S UNDERSERVED: A MULTI-PART STUDY ON THE WILLOW CLINIC (PART II: QI IMPLEMENTATION).**

*Shradha Shah, Disha Nangia, Kirti Malhotra and Kate Richards, Sacramento, CA. University of California Davis*

Abstract 369

**9:00 OPTIMIZING FOR SUCCESSFUL NEONATAL PROCEDURES WITH ULTRASOUND (OPTIMUS) QUALITY IMPROVEMENT: LUMBAR PUNCTURE.**

*Jasmine Massoumi, Piyawat Arichai, Jane Huang, Erin Myers, Ivonne E. Sierra-Strum, Karla Ortiz, Smeeta R. Sardesai, Rowena C. Cayabyab and Amy Yeh, Los Angeles, CA. University of Southern California*

Abstract 370

**9:15 REFERRING PROVIDER-SPECIALIST DIAGNOSTIC CONCORDANCE IN PEDIATRIC UROLOGY.**

*Tanner S. Walt, Danielle R. Schalk, Xiaolei Mao, Lindsay Herrera-Venegas and Kathleen Kieran, Seattle, WA. University of Washington School of Medicine*

Abstract 371

**9:30 OUTSIDE THE HOSPITAL WALLS – IMPLEMENTING MULTISECTOR COLLABORATIONS AT CHILDREN'S HOSPITALS TO ADDRESS SOCIAL DETERMINANTS OF HEALTH.**

*Ulfat Shaikh, Melissa Gosdin and Elizabeth Helmke, Sacramento, CA. University of California Davis School of Medicine*

Abstract 372

**9:45 DISPARITIES IN MENTAL HEALTH INTERVENTIONS FOR LATINX COMMUNITIES: A SYSTEMATIC REVIEW OF INTERNALIZED STIGMA USING THE ISMI SCALE.**

*Reyna P. Henry, Josh Matacotta, Angela Gutierrez and Rosana Bravo, Pomona, CA. Western University of Health Sciences (WSMRF)*

Abstract 373

**Neonatology General III**

All Saints Church, Seccombe Hall

*Nana Matoba and Tai-Wei Wu, Presiding*

**8:00 NEAR INFRARED SPECTROSCOPY (NIRS) TO MEASURE CEREBRAL REGIONAL OXYGEN SATURATION IN TERM AND PRETERM ASPHYXIATED CARDIAC-ARRESTED LAMBS.**

*Erin Riley, Payam Vali, Deepika Sankaran, Michelle J. Lim, Rebecca Valdez, Amy Lesneski, Victoria L. Hammitt, Jessa Rose A. Li, Satyan Lakshminrusimha and Evan Giusto, Davis, CA; Sacramento, CA. University of California Davis (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 374

**8:15 RACIAL AND ETHNIC DISPARITIES IN POSTNATAL GROWTH FOR INFANTS BORN BETWEEN 23 AND 29 WEEKS OF GESTATION.**

*Crystal Hsueh and Fu-sheng Chou, Los Angeles, CA; Pasadena, CA. University of California Los Angeles (WSPR Chiesi Undergraduate Award)*

Abstract 375

**8:30 EARLY VERSUS LATE INITIATION OF TREPROSTINIL FOR BRONCHOPULMONARY DYSPLASIA ASSOCIATED PULMONARY**

**HYPERTENSION.**

*Stephanie Tsoi, Claire Parker, Elizabeth Colglazier, Jeff Fineman and Roberta Keller, San Francisco, CA. University of California San Francisco (WSPR)*

Abstract 376

**8:45 VEDANG LONDHE STATE-OF-THE-ART SPEAKER:  
THE PLACENTAL-PULMONARY NICHE: DEFINING HUMAN PLACENTAL  
DERIVED MECHANISMS OF DEVELOPMENTAL LUNG INJURY.**  
*Elizabeth Taglauer, Boston University Chobanian & Avedisian School of Medicine*

**9:15 UTILITY OF MULTIMODAL HEMODYNAMIC MEASURES TO PREDICT  
INTRAVENTRICULAR HEMORRHAGE AND MORTALITY IN PRETERM  
INFANTS.**

*Aleksandra Hibner, Khang Tong, Lin Liu, Ana Morales, Shashank Sanjay, Henry Lee and Anup Katheria, La Jolla, CA; San Diego, CA. University of California San Diego (WAFMR)*

Abstract 377

**9:30 UTILIZATION OF ANALGESIA, SEDATION, AND PSYCHOTROPIC  
MEDICATIONS IN INTERMOUNTAIN HEALTH NEONATAL INTENSIVE  
CARE UNITS.**

*Daley Owens, Tim Bahr, Jared A. Olson and Shelley Lawrence, Salt Lake City, UT. The University of Utah School of Medicine (WSPR)*

Abstract 378

**9:45 NEONATAL ICU TRANSFUSION STEWARDSHIP: IDENTIFYING BARRIERS  
TO COMPLYING WITH RESTRICTIVE TRANSFUSION GUIDELINES.**

*Sarah M. Tweddell, Timothy M. Bahr, Thomas M. Morelli, Ashley Krueger, Robert D. Christensen and Robin K. Ohls, Salt Lake City, UT. Intermountain Healthcare University of Utah Health*

Abstract 379

**Neonatology - Perinatal Biology I**

Chapman #4 (Sunset Center)

*Geoanna Bautista and Jessie R. Maxwell, Presiding*

**8:00 CELLULAR AND MOLECULAR PROFILING INDICATE PRENATAL  
DEFECTS IN TRISOMY 21 SMALL INTESTINE.**

*Christian Canarte, Andrew Fruenpreis, Randa Belgacemi, Canran Deng, Najibe Abou Antoun, Mark Frey, Soula Danopoulos and Denise A. Al Alam, Torrance, CA; Los Angeles, CA. Harbor-UCLA Medical Center The Lundquist Institute*

Abstract 380

- 8:15 BIRTH IMPACTS SKELETAL MUSCLE MICROVASCULATURE ACROSS THE PERINATAL PERIOD.**  
*Tristan Dear, Eileen I. Chang, Collin S. Painter, Holland E. Stacey, Samantha Louey, Dana Strode, Saif I. Al-Juboori, Evgenia Dobrinskikh, Sonnet S Jonker and Laura D. Brown, Aurora, CO; Portland, OR. University of Colorado Anschutz Medical Campus (WSPR)*  
Abstract 381
- 8:30 CHROMATIN ACCESSIBILITY UNDERLIES DIFFERENCES BETWEEN ADULT AND NEONATAL HEPATOCYTE RESPONSE TO INFECTION.**  
*Nazanin Kazemi-Butterfield, Maya Grayck, Lijun Zheng, Leslie Atahualpa, Mack Solar, Nata Bala and Clyde J. Wright, Aurora, CO. University of Colorado Anschutz Medical Campus Department of Pediatrics WSPR Steve Daniel's CU Resident Award*  
Abstract 382
- 8:45 THE ROLE OF ACUTE HUMAN BETA DEFENSIN 2 TREATMENT ON CLAUDIN GENE EXPRESSION IN INTESTINAL EPITHELIAL CELLS.**  
*Alexandra J. Leegwater, Camryn Sellers-Porter, Michele Persiani, Geoanna Bautista and Steven McElroy, Sacramento, CA. University of California Davis School of Medicine*  
Abstract 383
- 9:00 UNRAVELING MYELOID CELL REPOSES TO HYPEROXIA: GENETIC VARIATION AND IMPLICATIONS FOR RESILIENCE AGAINST NEONATAL LUNG INJURY.**  
*Brandon Saiki, Sean A. Jansky, Yohei Abe, Fenghua Zeng, Wenxi Tang, Richard J. Lalith and Eniko Sajti, La Jolla, CA. University of California San Diego (WSPR Prolacta Research Award)*  
Abstract 384
- 9:15 EXPRESSION OF THE MECHANOSENSATIVE ION CHANNEL PIEZO1 IN AN OVINE MODEL OF GASTROSCHISIS.**  
*Jennifer Tashjian, Camryn Sellers-Porter, Emily Byrd, Michele Persiani, Brandon Light, Christopher Pivetti, Jamie Anderson, Shin Hirose, Steven McElroy and Geoanna Bautista, Sacramento, CA. University of California Davis*  
Abstract 385
- 9:30 *FRED BATTAGLIA STATE-OF-THE-ART SPEAKER:* TRANSLATIONAL MEDICINE & THE NEUROSCIENTIST: FROM PRECLINICAL MODELING TO THE NICU.**  
*Lauren Jantzie. Johns Hopkins Medicine*

## **Pediatrics and Adolescent Medicine II**

Studio 105 (Sunset Center)

*Andrea Gero and Mary Ramos, Presiding*

### **8:00 SLEEP DISPARITIES AMONG MIDDLE SCHOOL STUDENTS, BY SEXUAL ORIENTATION—NEW MEXICO, 2021.**

*Lauren Hall, Alena A. Kuhlemeier, Daniel Shattuck, Cathleen Willging and Mary Ramos, Socorro, NM; Albuquerque, NM. New Mexico Institute of Mining and Technology (WSPR)*

Abstract 386

### **8:15 THE RELATIONSHIP BETWEEN CLINICAL ACTIVE RANGE OF MOTION AND PITCHING MECHANICS IN YOUTH BASEBALL PITCHERS: A PILOT STUDY.**

*Alyssa T. Randall, John Gregory and Nickolai Martonick, Seattle, WA; Moscow, ID. University of Washington School of Medicine*

Abstract 387

### **8:30 FROM MISSED APPOINTMENTS TO MILESTONES: USING A CLINIC PASSPORT TO RAISE WELL-CHILD CHECK ATTENDANCE.**

*Justin Chang, Rachel Davidge and Gabrielle Pina, Loma Linda, CA; Moreno Valley, CA. Loma Linda University Children's Hospital Riverside University Health System Medical Center*

Abstract 388

### **8:45 IMPROVING PEDIATRIC RESIDENT CONFIDENCE IN CONTRACEPTION COUNSELING AND PRESCRIBING: EFFECTIVENESS OF A WORKSHOP AND A TOOLKIT.**

*Jennifer Marino, Alexandra Roche, Misha Khalighi and Behnoosh Afghani, Orange, CA; Irvine, CA. Children's Hospital of Orange County University of California Irvine*

Abstract 389

### **9:00 KAWASAKI DISEASE ETIOLOGY: DID THE COVID-19 PANDEMIC GIVE A CLUE?**

*Safa Gul and Laxmi Ghimire, Fresno, CA. University of California San Francisco Department of Medicine Fresno*

Abstract 390

### **9:15 CHARACTERIZATION OF NON-EXTREMITY INJURIES IN PEDIATRIC GUNSHOT VICTIMS IN A LEVEL 1 TRAUMA CENTER.**

*Michael W. Stickels, Kyung Min Roh, Will P. Brausch, Emily Fraser, Vikram Murugan, Amirreza Fatehi and Mohan V. Belthur, Phoenix, AZ; Omaha, NE. The University of Arizona College of Medicine Phoenix*

Abstract 391

### **9:30 KEEPING TRACK OF IT ALL: A GROUNDED THEORY STUDY OF HOW CAREGIVERS MANAGE POLYPHARMACY IN CHILDREN WITH MEDICAL**



**COMPLEXITY.**

*Talia G. Thompson, Julia Reedy, Lucas Orth, Anowara Begum and James Feinstein, Aurora, CO. University of Colorado Anschutz Medical Campus University of Colorado Anschutz Medical Campus (WSPR)*

Abstract 392

**9:45 CHARACTERISTICS OF PATIENTS EXPERIENCING DELAYED DIAGNOSIS IN DEVELOPMENTAL DYSPLASIA OF THE HIP: A RETROSPECTIVE OBSERVATIONAL COHORT STUDY.**

*Aayush Malhotra, Renee Boldut, Danica Fontana, Ben Stothers, Emily Schaeffer and Kishore Mulpuri, Vancouver, BC, Canada. BC Children's Hospital*

Abstract 393

**Surgery III**

Room 5 (Sunset Center)

*Subhas G. Gupta, Presiding*

**8:00 TRENDS IN PEDIATRIC LAPAROSCOPIC AND ROBOTIC-ASSISTED CHOLECYSTECTOMY AT A TERTIARY CHILDREN'S HOSPITAL.**

*Vinicius Silva, Joyce McRae, Georgi D. Mladenov and Edward Tagge, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 394

**8:09 CARBON IMPACT OF CT IMAGING: AN ANALYSIS FOR SUSTAINABLE HEALTHCARE SOLUTIONS.**

*Hannah Cho, Michael Phillipi, Monica Gerges, Saira Arora and Roozbeh Houshyar, Irvine, CA; Orange, CA. University of California Irvine School of Medicine*

Abstract 395

**8:18 THREE-QUARTERS OF RETROPERITONEAL VASCULAR LEIOMYOSARCOMAS ORIGINATE FROM GONADAL OR RENAL VEIN.**

*Caroline R. Toombs, Kristin Goodsell and Jeremy Sharib, Seattle, WA. University of Washington (WSMRF)*

Abstract 396

**8:27 VALIDATION OF ICD-10 CODES TO DISTINGUISH CLAUDICATION AND CHRONIC LIMB-THREATENING ISCHEMIA USING MEDICARE-MATCHED REGISTRY DATA.**

*Sanuja Bose, Sharon C. Kiang, Daniel Roh, Jialin Mao, Andrew J. Cabrera, David Stonko, James Black, Jesse Columbo, Philip Goodney, Leigh Ann O'Banion, Roger T. Tomihama and Caitlin Hicks, Loma Linda, CA; Baltimore, MD; New York, NY; Lebanon, NH; Fresno, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 397

**8:36 CORNEAL NEURTIZATION: A SAFE AND EFFECTIVE LONG-TERM OPTION FOR NEUROTROPHIC KERATOPATHY.**

*Elijah Grigore, James Robbins, Avital Okrent and Ilya Leyngold, Seattle, WA; Durham, NC. University of Washington School of Medicine (WSMRF)*

Abstract 398

**8:45**

**EVALUATING THE EFFICACY OF DRY LAB CATARACT SIMULATION FOR MEDICAL STUDENTS.**

*Ashley Choi, Miel Sundararajan, Anthony Chung, Andrew Chen and Shu Feng, Seattle, WA. University of Washington School of Medicine*

Abstract 399

**8:54 INFLUENCE OF PATIENT ETHNICITY ON DESCEMET'S STRIPPING AUTOMATED ENDOTHELIAL KERATOPLASTY OUTCOMES.**

*Noah Collins, Daniel D. Kim, Brian Fish, Justin Youn, Kenneth Park, Adel A. Battikha and Frank Hwang, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 400

**9:03 INCIDENCE OF MORTALITY AND HOSPITAL RE-INTERVENTION FOLLOWING THORACIC ENDOVASCULAR AORTIC REPAIR FOR UNCOMPLICATED TYPE B AORTIC ANEURYSM: A SYSTEMATIC REVIEW.**

*Aryan Shah, Joshua E. Lefort, Prangad Gupta, Panagiotis Leonidas Papalazarou, Ujash Sooriyakumaran and Mohammad El Diasty, Kingston, , Canada; Calgary, , Canada; Hamilton, , Canada. Queen's University*

Abstract 401

**9:12 CLINICAL EXPERIENCE WITH THE FIRST 16 PATIENTS WHO UNDERWENT REPAIR OF ESOPHAGEAL ATRESIA WITH A LARGE-DIAMETER MAGNETIC COMPRESSION ANASTAMOSIS DEVICE.**

*Jacqueline Kading, Anne-Sophie Holler, William Lee, Irving J. Zamora, Harold Lovvorn, Oliver Muensterer and Michael Harrison, Munchen, Germany; Nashville, TN; San Francisco, CA. University of California San Francisco (WAP/WSCI Travel Award)*

Abstract 402

**9:21 IMPACT OF CONNEXIN 43 INHIBITION ON LYSYL OXIDASE PRODUCTION BY MURINE C3H10T1/2 MESENCHYMAL STEM CELLS.**

*Megan Wong, Tabitha Verhage and Nathan Schiele, Seattle, WA; Moscow, ID. University of Washington School of Medicine*

Abstract 403

**9:30 COMPARISON OF VIABILITY DYE FOR ASSESSING REGULATORY T CELL FREQUENCY USING AN EXPANDED SURFACE MARKER PANEL.**

*Amelia Darwazeh-Gomez, Brian Phamton, Magda Descorbeth and Minh-Tri Nguyen, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 404

**9:39 EVALUATING GALECTIN-3 AS A BIOMARKER FOR VASCULARIZED COMPOSITE ALLOGRAFT REJECTION: INSIGHTS FROM ELISA AND METHODOLOGICAL CHALLENGES.**

*Natasha E. Barton, Yuhuan Luo, Nalu Navarro-Alvarez and Christene A. Huang, Aurora, CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 405

**9:48 PERIOPERATIVE HEMODYNAMIC RISK FACTORS RELATED TO ACUTE AND CHRONIC KIDNEY INJURY IN LUNG TRANSPLANTATION.**

*Taryn Tye, Jennifer Merk, Billanna Hwang, Michael Mulligan and Aaron Cheng, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 406

**CONCURRENT SESSIONS**

**Friday, January 17, 2025**

**10:15 AM – 12:30 PM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

**Behavior, Development and Psychology II .....Chapman #4  
Diversity, Equity and Inclusion Research II.....Promenade Lobby  
Healthcare Delivery Research IV.....Babcock #6  
Healthcare Delivery Research V.....Carmel Women’s Club  
Hematology and Oncology II.....Carpenter Hall  
Morphogenesis and Malformations.....Rehearsal Room  
Neonatology – General IV.....All Saints Church, Seccombe Hall  
Neonatology Perinatal Biology II..... Studio 105  
Nephrology and Hypertension.....Green Room  
Neuroscience II..... Conductor’s Room  
Surgery IV .....Room 5, Sunset Center**

**Behavior, Development and Psychology II**

Chapman #4 (Sunset Center)

*Kathy Angkustsiri and Caitlin Middleton, Presiding*

**10:15 CLINICAL GENOME SEQUENCING, NEUROIMAGING, AND NEUROPHYSIOLOGIC FINDINGS AS POTENTIAL BIOMARKERS OF LANGUAGE REGRESSION IN A MINIMAL TO NONVERBAL COHORT.**

*Charles Sadle, Prabhu Shankar, Aditya Krishnan, Xinzhou Wang, Kriti Kriti, Van K. Ma, Celia Chang and Suma P. Shankar, Sacramento, CA; Davis, CA. University of California Davis (WSPR)*

**10:30 LANGUAGE DEVELOPMENT IN CHILDREN WITH SEX CHROMOSOME TRISOMIES: ANALYSIS USING THE MACARTHUR-BATES CDI-III.**

*Laura George, Susan Howell, Samantha Bothwell and Nicole Tartaglia, Aurora, CO. Children's Hospital Colorado University of Colorado Anschutz Medical Campus*

Abstract 408

**10:45 *ROBIN HANSEN DEVELOPMENTAL & BEHAVIORAL PEDIATRICS STATE-OF-THE-ART SPEAKER:***

**IMPROVING THE LAUNCH: KANGAROO CARE FOR CHILDREN BORN VERY PRETERM.**

*Heidi M. Feldman. Stanford University*

**11:15 EXTRAORDINARY BABIES STUDY: A LONGITUDINAL STUDY OF EARLY COGNITIVE SKILLS IN INFANTS AND TODDLERS WITH SEX CHROMOSOME TRISOMY.**

*Jennifer Janusz, Talia G. Thompson, Rebecca Wilson, Samantha Bothwell, Morgan Joliffe, Greg Witkin, Judith Ross and Nicole Tartaglia, Aurora, CO; Denver, CO; Wilmington, DE; Philadelphia, PA. Children's Hospital Colorado University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 409

**11:30 NEONATAL CEREBROVASCULAR STABILITY INDEX IS ASSOCIATED WITH 3-MONTH NEURODEVELOPMENTAL OUTCOMES IN INFANTS WITH AND WITHOUT CONGENITAL HEART DISEASE.**

*Nhu N. Tran, Ashley Ibrahim, Emma Salmon, Marylynn Brecht and Jodie Votava-Smith, Los Angeles, CA. Children's Hospital Los Angeles Department of Pediatrics (WSPR Reckitt/Mead Johnson Junior Faculty Award) (WSPR)*

Abstract 410

**11:45 SEX DIFFERENCES IN GLOBAL WHITE MATTER METRICS IN PRETERM INFANTS.**

*Rocio Velasco Poblaciones, Molly Lazarus, Rose Horan, Tiffany B. Sanchez Ramirez, Katherine E. Travis and Heidi M. Feldman, Stanford, CA; New York, NY. Stanford University School of Medicine (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 411

**12:00 WHITE MATTER MYELIN CONTENT IN PRETERM INFANTS BASED ON A NOVEL MRI METRIC.**

*Rose Horan, Rocio Velasco Poblaciones, Molly Lazarus, Tiffany B. Sanchez Ramirez, Virginia A. Marchman, Katherine E. Travis and Heidi M. Feldman, Stanford, CA. Stanford University*

Abstract 412

**12:15 MYELIN CONTENT OF LANGUAGE CIRCUITS IN NEAR-TERM MRI SCANS IN RELATION TO LANGUAGE OUTCOMES OF PRETERM CHILDREN AT 12-24 MONTHS OF AGE.**

*Tiffany B. Sanchez Ramirez, Rocio Velasco Poblaciones, Rose Horan, Virginia A. Marchman, Katherine E. Travis and Heidi M. Feldman, Stanford, CA; New York, NY. Stanford University Stanford University School of Medicine*

Abstract 413

**Diversity, Equity, and Inclusion Research II**

Promenade Lobby (Sunset Center)

*Parisa Salehi and Stephanie W. White, Presiding*

**10:15 DISTRIBUTION OF NIRSEVIMAB FOR RESPIRATORY SYNCYTIAL VIRUS PROPHYLAXIS AMONG INFANTS IN HAWAII.**

*Alex Ueoka, Chieko Kimata, Andrea Siu and Kara Wong Ramsey, Honolulu, HI. Hawaii Pacific Health (WSPR Prolacta Research Award)*

Abstract 414

**10:30 PEDIATRIC BLADDER AND BOWEL HEALTH CONCERNS: DOES WHERE YOU LIVE MATTER?**

*Danielle R. Schalk and Kathleen Kieran, Seattle, WA. University of Washington School of Medicine Seattle Children's Hospital (WSMRF)*

Abstract 415

**10:45 IMPLEMENTING HEALTH EQUITY INITIATIVE IN THE NEONATAL INTENSIVE CARE UNIT.**

*Shiyu S. Bai-Tong, Katherine Nyman, Pamela Del Rosario and Nana Matoba, La Jolla, CA; San Diego, CA. University of California San Diego Rady Children's Hospital San Diego*

Abstract 416

**11:00 ADDRESSING BARRIERS AND ENHANCING CARE IN RURAL IDAHO: INSIGHTS FROM THE RURAL UNDERSERVED OPPORTUNITY PROGRAM (RUOP) AND TARGETED RURAL UNDERSERVED TRACK (TRUST).**

*Tabarak O. Alomar, Allie M. Ward, Audrey Dingel, Eva Chung, Gillian Gilvar, Kathryn Craig, Kelton Kearsley, Skyler Smith, Russell Baker and Madeline Casanova, Seattle, WA; Moscow, ID. University of Washington School of Medicine (WAP/WSCI Travel Award)*

Abstract 417

**11:15 EXPLORING RACIAL DISPARITIES IN ANTIDEPRESSANT ADHERENCE IN THE ADULT POPULATION: A COMPREHENSIVE LITERATURE REVIEW.**

*Elijah Sosa, Serena Ali, Seoyeon An, Vidha Yadav Ganji, Jiiho Han, Matthew Lee, Joshua Poon, Benjamin Schwartz and Behnoosh Afghani, Irvine, CA; Orange, CA. UC Irvine School of Medicine (WSMRF)*

Abstract 418

**11:30 LOWER LEVEL OF ACCESS TO MEDICATIONS FOR OPIOID USE DISORDER AMONG AMERICAN INDIAN / ALASKA NATIVE PEOPLE WHO USE DRUGS: IS THIS EXPLAINED BY ADVERSE EXPERIENCES WITH HEALTHCARE?**  
*Lauren Gillott, Jeremy Beckford, Rebecca Ramos, David Mendez and Sara Glick, Seattle, WA; Missoula, MT; Anchorage, AK. University of Washington School of Medicine*  
Abstract 419

**11:45 GUIDELINES FOR ADAPTING HEALTH PROMOTION PROGRAMS FOR STUDENTS WITH DISABILITIES: A CASE STUDY OF ADVOCATES 4 ALL YOUTH (ALLY).**  
*Cortney Pfeaster, Stacey Simon and Jill Kaar, Aurora, CO. University of Colorado Anschutz Medical Campus School of Medicine*  
Abstract 420

**12:00 LITERATURE REVIEW ON A PHENOMENOLOGICAL APPROACH TO REFRAMING DEMOGRAPHIC CATEGORIES IN MEDICINE AND THE ROLE OF ONLINE IDENTITY THEORY.**  
*Jose M. Olivas-Blanco, Sacramento, CA. UC Davis Health*  
Abstract 421

**12:15 FINANCIAL TOXICITY EXPERIENCED BY CANCER PATIENTS WITH LIMITED ENGLISH PROFICIENCY.**  
*Quinton Brooks and Christopher Su, Seattle, WA. University of Washington School of Medicine*  
Abstract 422

**Healthcare Delivery Research - IV**  
Babcock #6 (Sunset Center)  
*Denise Al Alam and Christina Gayle T. Tise, Presiding*

**10:15 THE ROLE OF ARTIFICIAL INTELLIGENCE IN DIETARY RECOMMENDATIONS: A COMPARATIVE ANALYSIS AND NARRATIVE REVIEW.**  
*Isaac D. Overfield, Garrett Petersen, Easton A. Small and Joshua Phillips, Loma Linda, CA. Loma Linda University School of Medicine*  
Abstract 423

**10:30 PATIENT SATISFACTION IN A STUDENT-RUN ATHLETIC TRAINING CLINIC: COMPARING EXPERIENCES WITH TRADITIONAL MUSCULOSKELETAL CARE SETTINGS.**  
*Patrick Mark, Carson Miller, Sarah Deming, Alexandra Dluzniewski, Russell Baker and Jayme Baker, Seattle, WA; Moscow, ID. University of Washington School of Medicine*  
Abstract 424

- 10:45 PATIENT PERSPECTIVES ON CATARACT SURGERY AND CATARACT SURGERY SEDATION: A QUALITATIVE STUDY.**  
Liam Molina, *Nora Lyang*, Rachel Schwartz and Catherine Chen, San Francisco, CA; Pomona, CA. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific*  
Abstract 425
- 11:00 FEMORAL NERVE MORPHOLOGY WITH NOVEL PREPARED GAX-SPECIMENS INCLUDING INNOVATIVE CONTRAST IMAGING OF FEMORAL VESSELS AND ULTRASOUND.**  
*Teagan Plutte*, Walker Shibley-Styer and Brion Benninger, Lebanon, OR. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*  
Abstract 426
- 11:15 P-23: A TEN YEAR ANALYSIS OF AN INSTITUTION'S POLICY ON MEDICAL TREATMENT DECISIONS FOR UNREPRESENTED HOSPITALIZED PATIENTS.**  
*David Shin*, Brenna Filmore and Jukes P. Namm, Loma Linda, CA. *Loma Linda University School of Medicine*  
Abstract 427
- 11:30 COMPARING LIFESTYLE HABITS BEFORE AND AFTER STARTING MEDICAL SCHOOL.**  
*Noorafsha Khan*, Noorhan Amani, Lara Ali, Valerie Gerriets and Jose Puglisi, Elk Grove, CA. *California Northstate University College of Medicine*  
Abstract 428
- 11:45 THE EFFECTIVENESS OF A VIDEO BASED ASTHMA EDUCATION PROGRAM IN AN OUTPATIENT PEDIATRIC POPULATION WITH DIVERSE LITERACY SKILLS.**  
*Mithya Morton*, Olga Guijon and Behnoosh Afghani, Orange, CA; Irvine, CA. *Children's Hospital of Orange County University of California Irvine*  
Abstract 429
- 12:00 ADDRESSING RESIDENT PHYSICIAN BURNOUT THROUGH A RESIDENT CENTERED WELLNESS COMMITTEE.**  
*Rupam Sharma*, Tanya Eftekhari, Amrit Dhillon, Elvia Cardoza, Leila Moosavi and Kasey Fox, Bakersfield, CA. *Kern Medical Center*  
Abstract 430
- 12:15 IDENTIFYING FACTORS THAT INFLUENCE PRIMARY CARE ATTENDANCE AT A FEDERALLY QUALIFIED HEALTH CENTER IN SOUTHERN CALIFORNIA.**  
*Kay K. Kim*, Temani Hamilton, David Luong and Matthew Fong, Loma Linda, CA. *Loma Linda University School of Medicine Loma Linda University Health*  
Abstract 431

## Health Care Delivery V

Carmel Women's Club

*Sebastien Fuchs and Zanthia W. Wiley, Presiding*

### **10:15 ANALYZING PATIENT NEEDS BASED ON TIME SPENT UNHOUSED: INSIGHTS FROM A SAN BERNARDINO STREET MEDICINE CLINIC.**

*Christopher D. Glevy, Ryan Kenney, Marium Khan and Marti Baum, Loma Linda, CA.  
Loma Linda University*

Abstract 432

### **10:30 IMPROVING COMMUNITY RESOURCE REFERRALS FOR PEOPLE WITH EPILEPSY.**

*Selma S. Sabra, Benjamin K. Simpson, Michael Kolesnik and Jacob Pellinen, Aurora,  
CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 433

### **10:45 PERSISTENT PREVALENCE OF MODERATE IMPLICIT ANTI-FAT BIAS IN 1ST AND 3RD YEAR MEDICAL STUDENTS.**

*Maria M. Boccia, Maleta Moulsoff, Aparna Jain, Yusuke Shono and Andrew Pumerantz,  
Pomona, CA; Claremont, CA. Western University of Health Sciences*

Abstract 434

### **11:00 FROM INJURY TO RECONSTRUCTION: HOW RAPID ACCESS ACUTE KNEE CLINICS EXPEDITE ADOLESCENT ANTERIOR CRUCIATE LIGAMENT INJURY MANAGEMENT.**

*Lise Leveille, Christopher Reilly, Nicole Krysa, Riya Viridi and Joyce He, Vancouver, BC,  
Canada. The University of British Columbia*

Abstract 435

### **11:15 EVALUATING THE IMPLEMENTATION AND SUSTAINABILITY OF A SCHOOL-BASED HEALTH PROMOTION PARTNERSHIP BETWEEN MEDICAL TRAINEE PROGRAMS AND HIGH SCHOOLS IN SEVEN COMMUNITIES THAT ARE MEDICALLY UNDERSERVED.**

*Eunice Rodriguez, Nancy Morioka-Douglas, Ashini Srivastava, Can Angela Jiang and  
Liana Geftter, Stanford, CA. Stanford University School of Medicine*

Abstract 436

### **11:30 EMPOWERING THE CENTRAL VALLEY: EQUIPPING HIGH SCHOOL STUDENTS FROM UNDERSERVED COMMUNITIES WITH LIFE-SAVING SKILLS AND FIRST RESPONDER & MEDICAL CAREER EXPLORATION.**

*Manreet Dosanjh, Alyssa Fuentes, John Cruz and Jessie Werner, San Francisco, CA.  
University of California San Francisco School of Medicine*

Abstract 437

### **11:45 LOCALIZED STUDENT DASH TO IMPROVE RATING OF FACULTY DEBRIEFING AFTER SIMULATION.**



*Taylor Ho, Brent Shimoda, Kyle Ishikawa, Benjamin Berg and Jannet Lee-Jayaram,  
Honolulu, HI. University of Hawai'i at Manoa*

Abstract 438

**12:00 EVALUATING NALOXONE DISTRIBUTION IN PRE-HOSPITAL CARE.**

*Emmelyn Samones and William M. Downes, Loma Linda, CA. Loma Linda University*

Abstract 439

**12:15 UNDERSTANDING ADOLESCENT MENTAL HEALTH IN RURAL NEPAL:  
RESULTS OF A MENTAL HEALTH LITERACY NEEDS ASSESSMENT.**

*Sophia Sidi, Precilia Kong, Gilbert Lee, Danlin Zeng, Joshua Cunningham, Agnes Ho,  
Suraya K. Bondy, Sarah Loughton, Alana Chambers, Dinesh Raj Sapkota, Sheekha  
Kumal, Lisa Nakajima and Videsh Kapoor, Vancouver, BC, Canada; Kathmandu, Nepal.  
The University of British Columbia Faculty of Medicine*

Abstract 440

**Hematology and Oncology II**

Carpenter Hall

*Thomas D. Deloughery, Presiding*

**10:15 EPHB4 AND EPHRINB2 PLAY DICHOTOMOUS ROLES IN HEAD AND NECK  
SQUAMOUS CELL CARCINOMA METASTASIS.**

*Diemmy Nguyen, Khalid N. Abdelazeem, Sophia Corbo, Laurel B. Darragh, Shilpa  
Bhatia, Mike W. Matsumoto, Elena B. Pasquale and Sana D. Karam, Aurora, CO; Cairo,  
Egypt; La Jolla, CA; St Louis, MO. University of Colorado Anschutz Medical Campus  
School of Medicine University of Colorado Anschutz Medical Campus  
(WAFMR/WAP/WSCI Student Subspecialty Award) (WSMRF)*

Abstract 441

**10:30 CELLULAR MORPHOMETRIC BIOMARKERS REVEAL DIFFERENT TUMOR  
MICROENVIRONMENT IN AFRICAN AMERICANS VERSUS CAUCASIANS.**

*Dan K. Celestin, Jane Muinde, Celina Yamauchi, Cody Carter, Hang Chang and Salma  
Khan, Loma Linda, CA; Berkeley, CA. Loma Linda University*

Abstract 442

**10:45 LONP1 INHIBITION PROVOKES IMMUNOGENIC CELL DEATH IN  
MELANOMA CELLS.**

*Brandon M. Bol, Jordan Darling, Petros Raygoza, Jonathan Clement and Eslam  
Mohamed, Elk Grove, CA. California Northstate University College of Medicine*

Abstract 443

**11:00 DIFFERENTIAL GENE EXPRESSION ANALYSIS OF PAPILLARY THYROID  
CANCER AMONG DIVERSE ETHNIC GROUPS.**

*Luiza Barseghyan, Celina Romi Yamauchi, Andrea Shields, Mia Perez, Alfred Simental  
and Salma Khan, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 444

**11:15 TARGETED DRUG DISCOVERY FOR HIGH-GRADE GLIOMAS WITH CONCURRENT NF1 AND ATRX LOSS.**

Swati Dubey, *Simran Rai*, Ming Yuan, Su Aung, Ajeeth Iyer, Charles Eberhart and Fausto J. Rodriguez, Los Angeles, CA; Baltimore, MD. *University of California Los Angeles Charles R Drew University of Medicine and Science (WAP/WSCI Travel Award)*

Abstract 445

**11:30 RETROSPECTIVE ANALYSIS OF TALIMOGENE LAHERPAREPVEC (T-VEC) IN ADVANCED MELANOMA: EFFICACY, SAFETY, AND PATIENT OUTCOMES.**

*Golbarg Rahimi*, Adam Garsa, Neils Kokot, Jenny Chong Hu, Mark Swanson, Katherine Butcher, Jacob Thomas, Andrew Lim and Gino In, Los Angeles, CA. *Keck Medicine of USC*

Abstract 446

**11:45 DISPARITIES IN SOCIAL DETERMINANTS OF HEALTH PREDICT INCIDENCE OF CERVICAL CANCER.**

*Kimberly Ajalat* and Vallent Lee, Loma Linda, CA. *Loma Linda University School of Medicine (WSMRF)*

Abstract 447

**12:00 SAFETY AND EFFICACY OF Y90 RADIATION SEGMENTECTOMY FOR UNRESECTABLE HEPATOCELLULAR CARCINOMA LARGER THAN 5 CENTIMETERS.**

*Brak Molla*, Grace Laidlaw and Guy E. Johnson, Seattle, WA. *University of Washington School of Medicine (WSMRF)*

Abstract 448

**12:15 EVALUATION OF MAGNETIC RESONANCE IMAGING VARIABILITY USING A BREAST PHANTOM IN A MULTICENTER STUDY OF BREAST CANCER TREATMENT RESPONSE.**

*Shaira Gail R. Santos*, Verina Todorova, Julia Carmona-Bozo, Jessica E. Gibbs, Nola M. Hylton, Wen Li and Lisa Wilmes, Pomona, CA; San Francisco, CA; Reno, NV. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WAFMR)*

Abstract 449

**Morphogenesis and Malformations**

Rehearsal Room (Sunset Center)

*Kristen Wigby and Suma Shankar, Presiding*

**10:15 CDX2 AND A VATER/VACTERL-LIKE PHENOTYPE: A CASE REPORT AND REVIEW OF THE LITERATURE.**

*Paige Calvert* and Jennifer Schymick, San Jose, CA. *Santa Clara Valley Medical Center*

Abstract 450

- 10:30 IMPACT OF MUSCULAR ASYMMETRY ON VELOPHARYNGEAL FUNCTION IN CHILDREN WITH CRANIOFACIAL MICROSOMIA: A PILOT STUDY.**  
*Maille B. Moriarty, Sara Kinter and Katelyn Kotlarek, Seattle, WA; Laramie, WY. University of Washington School of Medicine (WSPR Prolacta Research Award)*  
 Abstract 451
- 10:45 SPINAL INVOLVEMENT IN CHARGE SYNDROME; MECHANISM AND IMPLICATIONS FOR MANAGEMENT.**  
*Adriana Gomes, Marilyn Jones and Lynne B. Bird, La Jolla, CA. University of California San Diego (WSPR)*  
 Abstract 452
- 11:00 THE SIREN'S CALL: A CASE OF SIRENOMELIA AND ITS UNRESOLVED ETIOLOGY.**  
*Sarah Banerji, Dena R. Matalon and Carly M. Smith, Palo Alto, CA. Stanford University School of Medicine (WSPR Reckitt/Mead Johnson Subspecialty Award)*  
 Abstract 453
- 11:15 VALIDATED QUESTIONNAIRES SUGGEST SEXUAL DYSFUNCTION IN ADULT FEMALES WITH A HISTORY OF ANORECTAL MALFORMATION.**  
*Courtney DiFilippo, Gemma Beltran, Bridget Mosley, Carter Sevick, Jennifer Pyrzanowski, Grace Johnson, Andrea Bischoff, Dan Wood, Veronica Alaniz, Duncan Wilcox, Cindy Buchanan and Kelly Harris, Aurora, CO. Children's Hospital Colorado*  
 Abstract 454
- 11:30 A RARE CRANIOSYNOSTOSIS RESEMBLING CROUZON SYNDROME WITH VARIANTS INVOLVING THE INTERLEUKIN 11 RECEPTOR.**  
*Lekha Chilakamarri and Dena M. Matalon, Stanford, CA. Stanford University School of Medicine*  
 Abstract 455
- 11:45 CONGENITAL SPLAYED RIBS: THE ROLE OF MYOGENIC DEVELOPMENT IN RIB MORPHOGENESIS.**  
*Matthew A. Deardorff, Los Angeles, CA. Children's Hospital Los Angeles University of Southern California Keck School of Medicine*  
 Abstract 456
- 12:00 *JOHN CAREY MORPHOGENESIS & MALFORMATIONS STATE-OF-THE-ART SPEAKER: LONG-READ SEQUENCING AS THE FUTURE OF CLINICAL GENETIC TESTING.***  
*Danny Miller, University of Washington*

## Neonatology General IV

All Saints Church, Seccombe Hall

Meera N. Sankar and Katie M. Strobel, Presiding

### **10:15 COMPARISON OF NEONATAL AND PEDIATRIC RESUSCITATION ALGORITHMS IN THE OVINE MODEL.**

*Evan Giusto, Michelle J. Lim, Deepika Sankaran, Erin Riley, Rebecca Valdez, Amy Lesneski, Victoria L. Hammitt, Jessa Rose A. Li, Payam Vali and Satyan Lakshminrusimha, Sacramento, CA; Redding, CA. University of California Davis University of California Davis (WSPR)*

Abstract 457

### **10:30 DURATION OF HEMOLYSIS AMONG INFANTS WITH HEMOLYTIC DISEASE OF THE FETUS AND NEWBORN.**

*Timothy M. Bahr, Kenneth Moise, Kathy Lowry, Martha Monson, Ibrahim Hammad, Sasidhar Goteti, Sarah J. Ilstrup, Paul Vanasco, Robin K. Ohls and Robert D. Christensen, Salt Lake City, UT; Austin, TX. Intermountain Healthcare University of Utah Health (WSPR)*

Abstract 458

### **10:45 DURATION OF EMPIRIC ANTIBIOTIC COVERAGE FOR RULING OUT EARLY ONSET SEPSIS IN NEONATES.**

*Tova J. Kruss, Angela Douglas and Mitzi Go, Portland, OR. Oregon Health & Science University (WSPR)*

Abstract 459

### **11:00 JOAN HODGMAN STATE-OF-THE-ART SPEAKER: BODY COMPOSITION IN PRETERM INFANTS: FOCUSING ON GROWTH QUALITY.**

*Ariel A. Salas, University of Alabama at Birmingham*

### **11:30 UPDATING THE CRITICAL CONGENITAL HEART DISEASE SCREEN FOR INCLUSION OF AN INTENSIVE CARE POPULATION.**

*Joe Lopez, Aysu N. Caglar, Jeffrey Oxford, Ryan Grammens, Samuel L. Thompson, Jessica Gross and Jessie R. Maxwell, Albuquerque, NM. The University of New Mexico*

Abstract 460

### **11:45 BODY COMPOSITION IN INFANTS BORN TO OVERWEIGHT MOTHERS WITH GESTATIONAL DIABETES.**

*Yasaman Salahmand, Ashley M. Dong, Sevgi Kafali, Shahnaz Ghahremani, Timoteo Delgado-Esbenshade, Shu-Fu Shih, Christina Han, Holden H. Wu and Kara C. Calkins, Los Angeles, CA. University of California Los Angeles*

Abstract 461

### **12:00 RELATIONSHIP BETWEEN BRAIN TEMPERATURE AND LONG-TERM OUTCOMES OF INFANTS WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**

*Natalie L. Smith, Eni Jano, Benita Tamrazi, Stefan Bluml and Tai-Wei Wu, Los Angeles, CA; Pasadena, CA. University of Southern California Keck School of Medicine Los Angeles General Medical Center*

Abstract 462

**12:15 ADVANCING FAMILY ENGAGEMENT IN THE NEONATAL INTENSIVE CARE UNIT.**

*Laura Rose, Kristen Schaffer, Kayla Schmittau, Alejandro Chavez and Henry Lee, San Diego, CA. UC San Diego Health*

Abstract 463

**Neonatology Perinatal Biology II**

Studio 105 (Sunset Center)

*Matt Douglass and Camille F. Fung, Presiding*

**10:15 PROCOAGULANT PLATELETS AND NEUTROPHIL EXTRACELLULAR TRAPS MAY INDUCE INTRAUTERINE GROWTH RESTRICTION IN A MURINE MODEL OF PREECLAMPSIA.**

*Jacob Taylor, Joslynn Hoburg, Kathryn Glaittli, Mark J. Cody, Claudia de Araujo and Christian C. Yost, Salt Lake City, UT; Reno, NV. University of Utah Health University of Utah Health (WSPR Abbott Nutrition Subspecialty Award)*

Abstract 464

**10:30 PLACENTAL PROTEIN EXPRESSION OF ENZYMES REQUIRED FOR SYNTHESIS OF LONG-CHAIN POLYUNSATURATED FATTY ACIDS IS REDUCED IN FETAL GROWTH RESTRICTION.**

*Unni Isaksen, Stephanie S. Chassen, Stefanie Raymond-Whish and Theresa Powell, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 465

**10:45 IDENTIFICATION OF EARLY AND MID-PREGNANCY MATERNAL LIPIDOMICS AND METABOLOMICS SIGNATURES OF PRETERM AND SMALL-FOR-GESTATIONAL AGE INFANTS FROM LOW- AND MIDDLE-INCOME COUNTRIES USING MACHINE LEARNING.**

*Ivana Maric, Hilda Angela Mujuru, Gwendoline Chimhini, Samir K. Saha, Nancy Otieno, Stephen Hawken, Kumanan Wilson, Xiaotao Shen, Samuel Lancaster, Ronald J. Wong, Jonathan Reiss, John A. Kerner, Michael Snyder, William W. Hay, Gary M. Shaw, David K. Stevenson, Victoria Ward and Gary L. Darmstadt, Stanford, CA; Harare, Zimbabwe; Singapore, Singapore; Dhaka, Bangladesh; Nairobi, Kenya; Ottawa, Canada; Denver, CO. Stanford University School of Medicine (WSPR Reckitt/Mead Johnson Junior Faculty Award)*

Abstract 466

**11:00 DIFFERENTIAL EXPRESSION OF PPAR $\gamma$  ISOFORMS IS ASSOCIATED WITH LIPID ACCUMULATION IN THE HUMAN PLACENTA.**

*Amara Finch, Wesley Chidester, Kiera Kearns, Daniel T. Wray, Tyler Gandy, Michelle*

Baack and Lisa Joss-Moore, Salt Lake City, UT; Sioux Falls, SD. *University of Utah Health*

Abstract 467

**11:15 IUGR ALTERS POSTNATAL MURINE HIPPOCAMPAL DENTATE GYRUS MICROGLIAL MORPHOLOGY WHICH IS TEMPERED BY ENVIRONMENTAL ENRICHMENT.**

*Frank Strnad, Camille F. Fung, Ashley Brown and Matthew Wieben, Salt Lake City, UT. University of Utah Health (WSPR)*

Abstract 468

**11:30 MATERNAL DHA SUPPLEMENTATION FAILS TO REVERSE UTEROPLACENTAL INSUFFICIENCY-INDUCED CHANGES IN PPAR $\gamma$  VARIANTS AND DOWNSTREAM TARGET GENES IN MALE RAT PLACENTA.**

*Bridget Raymundo, Daniel T. Wray, Wesley Chidester, Mercedes Yanick, Kiera Kearns, Sofia Leveratto and Lisa Joss-Moore, Salt Lake City, UT. University of Utah Health*

Abstract 469

**11:45 DOWNREGULATION OF ENZYMES AND TRANSCRIPTION FACTORS THAT REGULATE BRANCHED-CHAIN AMINO ACID CATABOLISM AND TCA CYCLE PROGRESSION IN GROWTH RESTRICTED FETUSES.**

*Danika L. Ghiselli, Eileen I. Chang, Michael Armstrong, Peter R. Baker, Nichole Reisdorph and Laura Brown, Aurora, CO. University of Colorado Anschutz Medical Campus Department of Pediatrics*

Abstract 470

**12:00 CHARACTERIZING THE NEONATAL METABOLOME IN PREECLAMPSIA AND SMALL FOR GESTATIONAL AGE NEONATES USING MACHINE LEARNING.**

*Daniel Diatlov, Gary M. Shaw, Jonathan Mayo, Jonathan Reiss, Victoria Ward, Gary L. Darmstadt, David K. Stevenson and Ivana Maric, Stanford, CA. Stanford University School of Medicine (WSMRF)*

Abstract 471

**12:15 PLACENTAL LIPID DROPLET ACCUMULATION IN UTEROPLACENTAL INSUFFICIENCY: PREFERENTIAL TRAPPING OF DHA-CONTAINING TRIGLYCERIDES.**

*Kiera L. Kearns, Amara Finch, Wesley Chidester, Bridget Raymundo, James Cox, Alan Maschek and Lisa Joss-Moore, Salt Lake City, UT. University of Utah Health*

Abstract 472

## **Nephrology and Hypertension**

Green Room (Sunset Center)

*Charles E. Edelstein and Stanley C. Jordan, Presiding*

### **10:15 TURNING THE KIDNEY INTO A LYMPHOID ORGAN: PART 2.**

Daniel Atwood, Zhibin He, Katharina Hopp, Sarah Faubel and *Charles E. Edelstein*, Aurora, CO. *University of Colorado Anschutz Medical Campus School of Medicine (WAP)*

Abstract 473

### **10:30 PREDICTORS OF TESTIS TORSION VIABILITY.**

*Samuel Lin*, Joshua Pearce, Graydon Dietrich, Daniel Jhang, Jason Carlson, Gabriel Martin, Joshua Ghoulian, David Chamberlin, Catherine Nguyen and Joshua Chamberlin, Loma Linda, CA. *Loma Linda University (WAFMR/WAP/WSCI Student Subspecialty Award) (WAFMR)*

Abstract 474

### **10:45 BEDREST GUIDELINES FOR ISOLATED BLUNT RENAL TRAUMA IN PEDIATRIC PATIENTS.**

*Alexander R. Hongo*, Daniel Jhang, Jason Carlson, Joshua Ghoulian, David Chamberlin, Catherine Nguyen and Joshua Chamberlin, Loma Linda, CA. *Loma Linda University Medical Center*

Abstract 475

### **11:00 CTLA-4IG + ANTI-IL-6/IL-6R RESULTS IN LONG-TERM REJECTION-FREE GRAFT SURVIVAL IN HIGHLY-HLA SENSITIZED PATIENTS. .**

*Stanley C. Jordan*, Noriko Ammerman, Edmund Huang, Sindhu Chandran, Jun Shoji, Xiaohi Zhang, Alice Peng, Bongha Shin, David Thomas, Reiad Najjar, Sanjeev Kumar and Ashley Vo, Los Angeles, CA. *Cedars-Sinai Medical Center*

Abstract 476

### **11:15 COMPARATIVE EFFECTIVENESS OF THREE POTASSIUM EXCHANGERS IN THE ACUTE MANAGEMENT OF HYPERKALEMIA: SODIUM ZIRCONIUM CYCLOSILICATE, SODIUM POLYSTYRENE SULFONATE, AND PATIROMER.**

Francisco Ibarra, Victor Fu, Colena Mau, Dominic Rivera and *Alexander Arzoo*, Clovis, CA. *California Health Sciences University*

Abstract 477

### **11:30 LATE'S GONNA LATE: CAN WE PREDICT WHO WILL BE TARDY FOR CLINIC APPOINTMENTS?**

*Lindsay Herrera-Venegas* and Kathleen Kieran, Tacoma, WA; Seattle, WA. *Pacific Lutheran University*

Abstract 478

**11:45 PARENCHYMAL HEMATOMA AFTER EXCESSIVE TYRAMINE INTAKE.**  
*Muhammad H. Zafar, Sandra Abadir, Muhammad Durrani and Jasprit Takher, Thousand Oaks, CA. Los Robles Regional Medical Center (WAP/WSCI Travel Award)*

Abstract 479

**12:00 PAGE KIDNEY, CASE SERIES AND REVIEW OF LITERATURE.**  
*Lauren Burson, Rupam Sharma, Gurtej Bindra, Ayesha Rehman, Kim Duong and Leila Moosavi, Bakersfield, CA. Kern Medical Center*

Abstract 480

**12:15 HASHIMOTO'S ASSOCIATED FIBRILLARY GLOMERULONEPHRITIS.**  
*Arian Ashrafi, Kevin T. Dao, Tanya Eftekhari, Aerfan Fallahtafti and Sabitha Eppanapally, Miramar, FL; Bakersfield, CA; Cupecoy, Sint Maarten (Dutch part). Ross University School of Medicine*

Abstract 481

## **Neuroscience II**

Conductor's Room

*Michel Baudry and Xiaoning Bi, Presiding*

**10:15 INCIDENCE AND RISK FACTORS OF TRANSIENT GLOBAL AMNESIA IN NORTHERN COLORADO.**

*David J. Alexander, Alex Kaizer, Gary Luckasen and Sean Pauzauskie, Aurora, CO; Fort Collins, CO. University of Colorado Anschutz Medical Campus School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award) (WSMRF)*

Abstract 482

**10:30 IMPACT OF OXYGEN CONCENTRATION DURING RESUSCITATION ON SYNAPTIC PLASTICITY AND NEUROLOGICAL RECOVERY IN NEONATAL HYPOXIC ISCHEMIC ENCEPHALOPATHY.**

*Tanner McVey, Erika Tiemeier, April Fineberg, Jamie Henry, Jill Chang, Nidia Quillinan and Robert M. Dietz, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 483

**10:45 PIEZO1 AND PIEZO2 INTERACT TO FORM HETEROMERS.**

*Ipek Midillioglu, Tharaka Wijerathne and Jerome Lacroix, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 484

**11:00 DIFFERENT EFFECTS OF HIV-1 GP120 V3 PEPTIDE ON LEARNING AND MEMORY IN ADULT AND MIDDLE-AGED MICE.**

*Simran Soman, Iquo-bella Udoh, Shelbi Salinas and Miou Zhou, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 485



**11:15 ZN DIFFERENTIALLY REGULATES MICROTUBULE INTERACTIONS AND MOTOR PROTEIN BEHAVIOR ON MICROTUBULES.**

*William D. Ton, Indigo C. Geohring and Steven M. Markus, Aurora, CO; Fort Collins, CO. University of Colorado Anschutz Medical Campus School of Medicine Colorado State University (WSMRF)*

Abstract 486

**11:30 SIMULATOR-BASED TRAINING IN TRANSCRANIAL DOPPLER ULTRASOUND: ENHANCING COMPETENCY IN A CRITICAL NEUROIMAGING TOOL.**

*Aidan Shev, Florence Sheehan, Ziao Yin, Angela Straccia, Daniel F. Leotta, Alberto Aliseda, R Eugene Zierler, Mark D. Anderson and Deepak Sharma, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 487

**11:45 EXPLORING TIME-RESTRICTED EATING AS A NEUROPROTECTIVE STRATEGY IN HUNTINGTON'S DISEASE: MECHANISTIC INSIGHTS AND A 12-WEEK CLINICAL TRIAL PROTOCOL.**

*Russell G. Wells, Lee Neilson, Andrew McHill and Amie Hiller, Portland, OR. Oregon Health & Science University (WAFMR)*

Abstract 488

**12:00 8.4% SODIUM BICARBONATE VERSUS 3% SODIUM CHLORIDE IN THE MANAGEMENT OF SEVERE HYPONATREMIA.**

*Johan Hsu, Anhadh Jassal, Ikroop Miglani, Shriya Deshpande, Martin Garcia, Taejung Song and Francisco Ibarra, Clovis, CA. California Health Sciences University College of Osteopathic Medicine*

Abstract 489

**12:15 DIAGNOSTIC YIELD OF AMBULATORY VERSUS INPATIENT VIDEO EEG IN SPELL CLASSIFICATION IN A PUBLIC SAFETY-NET HOSPITAL IN THE CENTRAL VALLEY OF CA.**

*Wafaq S. Alshami, Adora Calistro, Zara'a Alshami, Neela Zalmay, Clins Chacko, Shaan Braich, Annika Daug, Christel Benny, Charles Liu and Hari K. Veedu, Bakersfield, CA; Los Angeles, CA. Kern Medical Center*

Abstract 490

**Surgery IV**

Room 5 (Sunset Center)

*Subhas G. Gupta, Presiding*

**10:15 FIVE-YEAR TRENDS IN INTRAOPERATIVE NEUROMONITORING FOR CERVICOTHORACIC SPINE SURGERY.**

*Laura Reynolds, Aiyush Bansal, Rafael Garcia De Oliveira, Takeshi Fujii, Trisha Lipson, Maxey G. Cherel, Michael Jeffko, Jack Sedwick, Venu Nemani, Jean-Christophe Leveque*

and Philip K. Louie, Spokane, WA; Seattle, WA. *WSU Elson S. Floyd College of Medicine (WSMRF)*

Abstract 491

**10:25 THE ROLE OF FACET JOINT ANATOMY IN SPINAL INSTABILITY AT L4/5: A PREOPERATIVE IMAGING STUDY.**

*Maxey G. ChereI, Aiyush Bansal, Takeshi Fujii, Jack Sedwick, Laura Reynolds, Michael Jeffko, Trisha Lipson, Rafael Garcia De Oliveira, Venu Nemani, Jean-Christophe Leveque and Philip K. Louie, Seattle, WA; Spokane, WA. University of Washington School of Medicine (WSMRF)*

Abstract 492

**10:35 EXPECTATION VS. REALITY: EXPLORING DECISIONAL REGRET IN MINIMALLY INVASIVE LUMBAR SPINE SURGERY.**

*Michael Jeffko, Aiyush Bansal, Trisha Lipson, Jack Sedwick, Maxey G. ChereI, Laura Reynolds and Phil K. Louie, Seattle, WA; Spokane, WA. University of Washington School of Medicine*

Abstract 493

**10:45 DEVELOPMENT AND VALIDATION OF A PRECISE SECOND-ORDER APPROXIMATION FOR CENTRAL CERVICAL CANAL AREA IN STENOTIC PATIENTS.**

*Joel D. Carson, Zachary Brandt, Andrew B. Fay, Kai Nguyen, Isaac D. Overfield, Mark Oliinik, Jacob Razzouk and Wayne Cheng, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 494

**10:55 ANTERIOR VERSUS POSTERIOR LUMBAR FUSION FOR ADULT ISTHMIC SPONDYLOLISTHESIS.**

*Ashley Frei, Hania Shahzad, Josh Callaway, Wyatt Vander Voort, Rolando F. Roberto, Yashar Javidan, Safdar Khan, Eric Klineberg and Hai Le, Detroit, MI; Sacramento, CA. Wayne State University School of Medicine*

Abstract 495

**11:05 DISPARITIES IN DYSPHAGIA OUTCOMES FOLLOW ANTERIOR CERVICAL DISCECTOMY AND FUSION.**

*David Greis, Samuel Salib, Pranit Kumaran and Mohamed Ahmed, Los Angeles, CA; Elk Grove, CA. Keck Hospital of USC*

Abstract 496

**11:15 CHARACTERIZATION OF SPINAL METASTASES EVALUATES RISK OF FUTURE VERTEBRAL COMPRESSION FRACTURE AND TIME TO FRACTURE.**

*Sonali Matta, My H. Nguyen and Anubhav Amin, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 497

**11:25 VOICE DISORDERS AND VOICE THERAPY ATTENDANCE IN AVOCATIONAL SINGERS AND NON-SINGERS.**

*Sonia Joy, Christina Liem and Thomas Murry, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 498

**11:35 EAR SIZE AND POSITION VARIATIONS RATED BY THE CASUAL OBSERVER ON AI-GENERATED MODELS.**

*Kai C. Kokesh, Kathleen Sie, Randall Bly, Amit Bhrany, Rishi Modi, Xing Wang and G. N. Lu, Seattle, WA. University of Washington School of Medicine*

Abstract 499

**11:45 FACIAL NERVE FUNCTION AND HEARING PRESERVATION OUTCOMES AFTER VESTIBULAR SCHWANNOMA RESECTION WITH THE MIDDLE CRANIAL FOSSA AND RETROSIGMOID APPROACHES USING THE SUBCAPSULAR DISSECTION TECHNIQUE.**

*Hyrum P. Ruby, Jacob Ruzevick and Gavriel Kohlberg, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 500

**11:55 EVALUATING THE TRANSORAL ENDOSCOPIC VESTIBULAR APPROACH (TOEVA) FOR CHONDROLARYNGOPLASTY: A COMPREHENSIVE REVIEW OF SAFETY, EFFICACY, SURGICAL TECHNIQUES, AND FUTURE DIRECTIONS.**

*Anna Bishop, Anna Garrison and Edie Sperling, Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest (WSMRF)*

Abstract 501

**12:05 MANAGEMENT OF ENTOMBED STENTS: COMBINED ANTEGRADE AND RETROGRADE PRONE APPROACH.**

*Faith Ajayi, Adel A. Battikha, Daniel Jhang, Zhamshid Okhunov and Duane Baldwin, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 502

**12:15 DOES RETROGRADE PYELOPERFUSION REDUCE STONE FRAGMENT MIGRATION INTO THE URETER DURING PERCUTANEOUS NEPHROLITHOTOMY?**

*Adel A. Battikha, Kallan Richards, Ninous Betdashtoo, Faith Ajayi, Jongwan Park, Elizabeth Baldwin, Daniel Jhang, Zhamshid Okhunov and Duane Baldwin, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 503

12:00 pm – 1:30 pm	<p><b>Lunch available on-site for nominal charge</b> Food Truck in Sunset Center Parking Lot</p>
12:30 pm – 1:30 pm	<p><b>Investigator Workshop on Mentoring Role of Research in Residency/Fellowship Applications</b> <i>(This talk is aimed at medical students and residents)</i> Adam Stevenson, MD Associate Dean of Student Affairs University of Utah School of Medicine <i>Sunset Center – Green Room</i></p>

**COFFEE AND DESSERT BUFFET**  
**1:00-1:30 PM**  
*Carmel Women's Club*

---

**JOINT PLENARY SESSION**

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH**  
**WESTERN SOCIETY FOR CLINICAL INVESTIGATION**  
**WESTERN ASSOCIATION OF PHYSICIANS**  
**WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

*Carmel Women's Club*

**Friday, January 17, 2025**  
**1:30 PM – 4:15 PM**

*Mariana B. Baserga and Fred B. Buckner and Sebastien Fuchs, Presiding*

**1:30 EDWIN E. OSGOOD AWARD**

**ANALYSIS OF DONOR-RECIPIENT TELOMERE DYNAMICS IN LONG –  
TERM SURVIVORS OF ALLOGENIC HEMATOPOIETIC CELL  
TRANSPLANTATION.**

*Isbah Khan, Ted Gooley, Judy Campbell, Paul Carpenter, Stephanie Lee, Mary Flowers,  
Jerald Radich, Rainer Storb and Masumi Ueda Oshima, Seattle, WA. University of  
Washington School of Medicine (WSMRF)*

Abstract 504

**1:45 WAFMR YOUNG INVESTIGATOR AWARD**

**SMOOTH MUSCLE CELL DEPLETION OF PIEZO1 LEADS TO IMPAIRED  
CONTRACTILE PROPERTIES IN THE SMALL BOWEL.**

*Geoanna Bautista, Yingjie Du, Nicole Kushnir, Allison Flores, Elmira Tokhtaeva, RS  
Solorzano-Vargas, Fernando Santana, Steven McElroy and Martin G. Martin, Sacramento,  
CA; Los Angeles, CA; Davis, CA. University of California Davis School of Medicine  
University of California Los Angeles David Geffen School of Medicine (WAFMR Young  
Investigator Award) (WSPR)*

Abstract 505

**2:00 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH  
AWARD**

**ASSOCIATION BETWEEN IN UTERO TETRAHYDROCANNABINOL  
EXPOSURE AND INCREASED RISK OF AUTISM SPECTRUM DISORDER.**

*Alissa Reed, Sage Richardson, David Choi, Zoe Herrera and Adam Paul, Lebanon, OR;  
Corvallis, OR. Western University of Health Sciences College of Osteopathic Medicine of  
the Pacific-Northwest*

Abstract 506

- 2:15 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD**  
**MOLECULAR AND CELLULAR BASIS OF LUNG DISEASE IN NIEMANN–PICK DISEASE TYPE-C1.**  
*Jorge L. Rodriguez-Gil, Jaqueline Butterfield, Zarmina Balkhi, Lindsay Butcher and Lawrence Prince, Stanford, CA. Stanford University (WSPR)*  
Abstract 507
- 2:30 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD**  
**THE GENETIC MODIFIER *PTPN14* PROMOTES VASCULAR STABILITY IN HEREDITARY HEMORRHAGIC TELANGIECTASIA AND OTHER VASCULAR CONDITIONS.**  
*Anzar Mahmood, Emma A. Hnatko, Annika Gillam and Daniah T. Beleford, Sacramento, CA. University of California Davis University of California Davis (WSPR)*  
Abstract 508
- 3:00 WSPR STANLEY WRIGHT MEMORIAL LECTURE**  
**BECAUSE ALL WE HAVE IS EACH OTHER: WHY ADVOCACY MUST BE A FOUNDATIONAL SKILL FOR PHYSICIANS.**  
*Ben Hoffman, Oregon Health & Science University and AAP President*
- 4:00 WSPR JOSEPH ST. GEME Jr. MENTORSHIP AWARD**  
**Presenter:** *Evan Giusto, University of California Davis*  
**Recipient:** *Satyan Lakshminrusimha, UC Davis Children’s Hospital*
- 4:15 ADJOURN**
- 4:15 WSPR BUSINESS MEETING**  
*Mariana Baserga and Shanlee Davis, Presiding - All WSPR Members Are Invited*
- 4:15 WAFMR WELCOME RECEPTION**  
*Sebastien Fuchs, Presiding*  
*All Invited – Sunset Center – Chapman Room*

**CONCURRENT SESSIONS**

**Saturday, January 18, 2025**

**8:00 AM – 10:00 AM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

**Case Reports II.....Chapman Room#4  
Diversity, Equity and Inclusion Research III: Women’s Health.....Rehearsal Room  
Endocrinology and Metabolism II.....Green Room  
Genetics II ..... Room 5, Sunset Center  
Healthcare Delivery Research VI – Medical Education .....Babcock #6  
Neonatology – General V.....Carpenter Hall  
Neonatology – Perinatal Biology III... .....Studio 105  
Pediatric and Adolescent Medicine.....Conductor's Room  
Pulmonary and Critical Care II.....Promenade Lobby**

**Case Reports II**

Chapman #4 (Sunset Center)

*W. Conrad L. Liles, Presiding*

**8:00 SEVERELY ELEVATED TRIGLYCERIDES ABOVE 7000- A CASE REPORT AND MINIATURE REVIEW OF FAMILIAL HYPERTRIGLYCERIDEMIA.**

*Anna Bjarvin, Funmilayo Idemudia and Namdeep Grewal, Bakersfield, CA; Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific-Northwest*

Abstract 509

**8:15 HYDROXYCHLOROQUINE-INDUCED CARDIOMYOPATHY: A CLINICAL SERIES.**

*Stephen C. Heyliger, Natasha Altman and James Maloney, Aurora, CO; Auckland, New Zealand. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 510

**8:30 GASTRIC MUCORMYCOSIS IN AN ADOLESCENT.**

*Kevin Tran and Vini Vijayan, Madera, CA. Valley Children's Healthcare*

Abstract 511

**8:45 MORE THAN MEETS THE EYE: CHARLES BONNET SYNDROME.**

*Sanjana Murdande, Parmveer Kaloty and Kasey Fox, Bakersfield, CA. Kern Medical Center*

Abstract 512

**9:00 LOOKING VERY HARD FOR A CAUSE OF LAMBERT-EATON MYASTHENIC SYNDROME.**

Jatin Thukral, Harbir Kaur, *Anthony M. Lim*, Julia K. Oberndorf and Samir Macwan, Rancho Mirage, CA. *Eisenhower Health*

Abstract 513

**9:15 A CASE OF MARBURG VARIANT MULTIPLE SCLEROSIS TREATED WITH RITUXIMAB.**

*Melanie Khamlong*, Aishwarya Saripalli, Noah Yan, Anthony Bettencourt, Katayoun Sabetian, Leila Moosavi and Jason Kahlon, Bakersfield, CA; Los Angeles, CA. *Kern Medical Center*

Abstract 514

**9:30 DISSEMINATED COCCIDIOIDOMYCOSIS WITH CUTANEOUS, NASAL AND ORAL INVOLVEMENT IN A CHILD.**

Faith Sumandea, *Sonia Dubey*, Kevin Tran and Vini Vijayan, Elk Grove, CA; Madera, CA. *California Northstate University*

Abstract 515

**9:45 DILATED CARDIOMYOPATHY IN DUCHENNE MUSCULAR DYSTROPHY .**

*Kristy Leker*, Annam Zahid, Carlos Gutierrez Garibay and Leon Feldman, Rancho Mirage, CA. *Eisenhower Health*

Abstract 516

**Diversity, Equity and Inclusion Research III - Women's Health**

Rehearsal Room (Sunset Center)

*Anita Nelson and Stephanie W. White, Presiding*

**8:00 RACIAL DISPARITIES IN POSTPARTUM PAIN MANAGEMENT: A LITERATURE REVIEW.**

*Sana Shah*, Isabella Bello, Deeya Jindal, Emily Lee, Brayden Pryana, Alyssa Tran, David Sam and Behnoosh Afghani, Irvine, CA; Orange, CA. *UC Irvine School of Medicine (WSMRF)*

Abstract 517

**8:15 ASSESSING PERSONAL EXPERIENCES WITH POSTPARTUM DEPRESSION POSTED ON REDDIT TO INVESTIGATE TREATMENT RECOMMENDATIONS AND BARRIERS.**

*Ananta Srivastava*, Farah Mawlawi and Anita L. Nelson, Pomona, CA. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)*

Abstract 518

**8:30 EXAMINING PATIENT UPTAKE OF TELEHEALTH MEDICATION ABORTION SERVICES AT ACADEMIC HEALTH CENTERS IN THE UNITED STATES.**

*Amy Willerford*, Anna Fiastro, Rajita Patil, Sarah Prager, Maureen K. Baldwin, Melissa C.

Matulich and Emily Godfrey, Seattle, WA; Los Angeles, CA; Portland, OR; Davis, CA.  
*University of Washington School of Medicine*

Abstract 519

**8:45 A PRE-POST INTERVENTIONAL ASSESSMENT OF A SELF-ADMINISTERED CERVICAL CANCER HEALTH LITERACY TOOL IN ARABIC-SPEAKING IMMIGRANT WOMEN.**

*Amira M. Zayed, Saria Nassar, Jenny Chang, Layla Dalati and Heike Thiel de Bocanegra, Pomona, CA; Irvine, CA. Western University of Health Sciences University of California Irvine (WSMRF)*

Abstract 520

**9:00 A CONTEMPORARY REVIEW OF RACIAL AND ETHNIC DISPARITIES IN THE OUTCOMES OF IN VITRO FERTILIZATION.**

*Elaha Noori, Caitlyn DePrano, Raymond Le, Victoria Liao, Chloe Won, Preston Wu, Vivian Xu and Behnoosh Afghani, Irvine, CA; Orange, CA. University of California Irvine (WAFMR)*

Abstract 521

**9:15 AN EXPLORATION OF HOW SOCIAL DETERMINANTS OF HEALTH IMPACT COMORBIDITIES THAT EXACERBATES BREAST CANCER RISK.**

*Joselyn Gonzalez, Mayra Diaz, Yanyuan Wu and Jay Vadgama, Richmond, VA; Pomona, CA; Los Angeles, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 522

**9:30 IMPACT OF A CRITICAL ACCESS OBSTETRIC UNIT CLOSURE ON INFANT PEDIATRIC UROLOGY REFERRALS.**

*Xiaolei Mao, Lindsay Herrera-Venegas, Tanner S. Walt, Danielle R. Schalk and Kathleen Kieran, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 523

**9:45 SEXUAL VIOLENCE, SCREENING, ADVERSE PERINATAL OUTCOMES, AND TRAUMATIC BIRTH: WHAT ARE MEDICAL STUDENTS BEING TAUGHT?**

*Jade I. Ransohoff, Nuriya Robinson and Anita L. Nelson, Pomona, CA; Torrance, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific (WSMRF)*

Abstract 524



## Endocrinology and Metabolism II

Green Room (Sunset Center)

*Anna R. Ryabets-Lienhard and Shan Luo, Presiding*

**8:00 RESTING ENERGY EXPENDITURE IN YOUNG MEN WITH KLINEFELTER SYNDROME.**

*Karli Swenson, Amelia Middleton, Mariah Brown and Shanlee Davis, Denver, CO. University of Colorado System*

Abstract 525

**8:15 INHIBITORY CONTROL WORSENS WITH AGE AND SEVERITY IN YOUTH AND YOUNG ADULTS WITH CONGENITAL ADRENAL HYPERPLASIA.**

*Nozomi L. Yamashita, Edwin A. Deras, Ginger Simon, Sharon H. O'Neil, Trevor A. Pickering, Sophia Dettweiler, Benjamin Hoffman-Kipp and Mimi S. Kim, Los Angeles, CA. Children's Hospital Los Angeles (WAFMR)*

Abstract 526

**8:30 NORMAL WEIGHT OBESITY AND ADIPOSITY: LINKS TO INFLAMMATION IN COLLEGE-AGED FEMALES.**

*Allie M. Ward, Laurel Nunez, Jonathan Moore, Ariel Aguiar Bonfim Cruz, Gena Irwin, Ann F. Brown and Bethaney Fehrenkamp, Seattle, WA; Moscow, ID. University of Washington University of Idaho*

Abstract 527

**8:45 STATE-OF-THE-ART SPEAKER: PRADER-WILLI SYNDROME DRUG TRIALS: WHAT WE KNOW AND WHAT'S ON THE HORIZON.**

*Parisa Salehi, Seattle Children's Hospital*

**9:15 INTRAVENOUS PAMIDRONATE FOR TREATMENT OF FRACTURES AND HYPERCALCEMIA IN A NEONATE WITH AUTOSOMAL RECESSIVE CUTIS LAXA TYPE 1B.**

*Stephanie Elizarde, Linda Randolph and Anna R. Ryabets-Lienhard, Los Angeles, CA. Children's Hospital Los Angeles*

Abstract 528

**9:30 MINIPUBERTY PITUITARY-GONADAL HORMONE PROFILE IN INFANTS WITH 47,XXY.**

*Andrew R. Keene, Nicole T. Tartaglia, Samantha Bothwell, Najiba Lahlou, Judith Ross and Shanlee Davis, Aurora, CO; Wilmington, DE; Paris, , France; Philadelphia, PA. Children's Hospital Colorado University of Colorado Anschutz Medical Campus School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award) (WSMRF)*

Abstract 529

**9:45 SYNCING UP: EXAMINING THE POPULARITY AND THEMES OF "CYCLE SYNCING" FOR DIET, EXERCISE, AND HORMONAL BALANCE ON TIKTOK.**

Hannah Anvari, Zoe Levin and Anita L. Nelson, Pomona, CA. *Western University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 530

## Genetics II

Room 5 (Sunset Center)

*Miguel del Campo and Daniah T. Belefard, Presiding*

**8:00 A MULTI-OMIC APPROACH CHARACTERIZES A RARE REPEAT EXPANSION IN RFC1 IN AN ASIAN-PACIFIC FAMILY WITH MOTOR NEURONOPATHY.**

*Devon Bonner, Jacinda Sampson, Beatriz Anguiano, Elijah Kravets, Shruti Marwaha, Stephen Montgomery, Matthew Wheeler and Jonathan Bernstein, Stanford, CA. Stanford University*

Abstract 531

**8:15 DISSECTING THE PENETRANCE OF PUTATIVE LOSS-OF-FUNCTION VARIANTS IN POPULATION-SCALE BIOBANKS.**

*David R. Blair and Neil Risch, San Francisco, CA. University of California San Francisco (WSPR Reckitt/Mead Johnson Junior Faculty Award)*

Abstract 532

**8:30 ANNUAL DISCOVERY RATE OF NOVEL GENE-DISEASE RELATIONSHIPS: WHAT ARE WE MISSING?**

*Matthew Vo and Jessica Chong, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 533

**8:45 PHARMACOLOGICAL OPTIONS FOR MANAGING BURNING MOUTH SYNDROME.**

*Layla Mazdeyasnan, Zian Shabbir and Francisco Ibarra, Clovis, CA. California Health Sciences University*

Abstract 534

**9:00 CLINICAL PRESENTATION OF MICOS13-ASSOCIATED COMBINED OXIDATIVE PHOSPHORYLATION DEFICIENCY-37: A CASE STUDY.**

*Michael Larsen, Serin Springer, Marzia Pasquali and Brian Shayota, Salt Lake City, UT. The University of Utah School of Medicine*

Abstract 535

**9:15 UTILIZING AUTOMATED PHENOTYPE EXTRACTION FOR RAPIDER WHOLE GENOME SEQUENCING.**

*Tanner Ellsworth, Emerson Lebleu, Alistair Ward, Kensaku Kawamoto, Peter Taber, Pinar Bayrak-Toydemir, Mao Rong, Paul Estabrooks, Martin Tristani-Firouzi and Sabrina Malone Jenkins, Salt Lake City, UT. University of Utah Health (WSPR)*

Abstract 536

**9:30 GENETIC INSIGHTS INTO AUTOSOMAL DOMINANT OSTEOPETROSIS: A CASE REPORT OF A MISSENSE VARIANT IN THE TCIRG1 GENE.**  
*Carla Sargiotto, Bianca R. Russell and Deborah Krakow, Los Angeles, CA. University of California Los Angeles*

Abstract 537

**9:45 SPEAKING IN TONGUES: MOSAIC GENOME-WIDE UNIPARENTAL ISODISOMY AS A RARE CAUSE OF MACROGLOSSIA.**  
*Danielle Luz and Dena M. Matalon, Stanford, CA. Stanford University*

Abstract 538

### **Healthcare Delivery Research VI - Medical Education**

Babcock #6 (Sunset Center)

*Steven Crosby, Presiding*

**8:00**

**FAMILY MEDICINE SHADOWING PRECEPTORSHIPS FOR PRE-MEDICAL STUDENTS - CHALLENGES AND SUCCESS RATES.**

*Christian Dergazarian, Angela Hakobyan, Aren Dermarderosian, Sofia Yeremian and Sarmen Sarkissian, Los Angeles, CA; Davis, CA; Las Vegas, NV; Ventura, CA; Mission Hills, CA. University of California Davis (WAFMR)*

Abstract 539

**8:15 EVALUATING STUDENT SATISFACTION OF HOTSPOT AUDIENCE RESPONSE SYSTEM TECHNOLOGY IN LECTURES.**

*Hannah Chang, Emily H. Tran, Tianyu Luo, Lindsay D. Hewitt, Kaila J. Polizzi, Valerie Gerriets and John Cusick, Elk Grove, CA. California Northstate University College of Medicine*

Abstract 540

**8:30 ENHANCING KNOWLEDGE RETENTION IN MEDICAL EDUCATION THROUGH ESCAPE BOX GAMES.**

*Anya Ramsamooj, Jean Shanaa, Ethan Bernstein, Robert Augustynski and Jennifer Gullo, Elk Grove, CA. California Northstate University College of Medicine*

Abstract 541

**8:45 ALIGNMENT OF LEARNING OBJECTIVES IN CANADIAN PLASTIC SURGERY RESIDENCY PROGRAMS.**

*Cameron J. Leong, Stephanie Cooper, Rebecca Courtemanche, David Tang and Terence Kwan-Wong, Vancouver, , Canada. The University of British Columbia Faculty of Medicine*

Abstract 542

**9:00 TRANSITIONING TO SUCCESS: HOW COMMUNITY COLLEGE SHAPES PRE-HEALTH STUDENTS' ACADEMIC AND PROFESSIONAL PATHWAYS.**

*Lori Avakian, Christian Dergazarian, Angela Hakobyan, Aren Dermarderosian and*

Sarmen Sarkissian, Davis, CA; Glendale, CA; Mission Hills, CA; Los Angeles, CA.  
*University of California Los Angeles Armenian American Medical Society (WAFMR)*

Abstract 543

**9:15 SIMULATION NEEDS ASSESSMENT PROJECT (SNAP): MEDICAL STUDENT RANKINGS OF MANIKIN-BASED SIMULATION MEDICAL EDUCATION COMPETENCIES.**

*Samantha Wong, Nicole Hada and Jannet Lee-Jayaram, Honolulu, HI. University of Hawai'i at Manoa*

Abstract 544

**9:30 IMPROVING CLINICIAN TRAINEE KNOWLEDGE IN MANAGING OPPORTUNISTIC INFECTIONS IN ADVANCED HIV DISEASE IN NAIVASHA, KENYA.**

*Jolie M. Phan and Douglas Bosibori, Seattle, WA; Naivasha, Kenya. University of Washington School of Medicine (WSMRF)*

Abstract 545

**9:45 OPTIMIZING CADAVER-BASED ANATOMY LAB LEARNING FOR MEDICAL STUDENTS BY PROVIDING ADVANCED NOTICE OF DONOR PATHOLOGY USING POST-MORTEM CT SCANS.**

*Parveer Kaur, Eli R. Engledow, Zach Gallaher and Julie Kaczmark, Spokane, WA; Seattle, WA. Washington State University Elson S Floyd College of Medicine (WSMRF)*

Abstract 546

**Neonatology General V**

Carpenter Hall

*Hemananda Muniraman and Carlos Ramos, Presiding*

**8:00 NEONATAL OUTCOMES OF UMBILICAL CORD MILKING IN PRE-TERM MONOCHORIONIC INFANTS.**

*Chelsea Barrows, Catherine Peterson, Ana Morales, Rebecca Dorner and Anup Katheria, Chicago, IL; San Diego, CA. Loyola University Chicago Stritch School of Medicine (WSPR Chiesi Medical Student Award) (WSPR)*

Abstract 547

**8:15 SOCIOECONOMIC DISPARITIES IN HUMAN MILK NUTRITION PATTERNS AMONG PRETERM INFANTS.**

*Igbagbosanmi O. Oredein, Molly Lazarus, Rachel Land, Katherine E. Travis, Sonia Bonifacio and Melissa Scala, Stanford, CA; New York, NY. Stanford University School of Medicine*

Abstract 548

**8:30 A MULTICENTER DESCRIPTIVE ANALYSIS OF MATERNAL HUMAN CYTOMEGALOVIRUS SEROLOGIES AND INFANT ANTHROPOMETRICS.**

*Shelley Lawrence, Marvin Williams, Christy Zornes, Starla L. Coats, Emily Powers,*

Shannon M. Nielsen and Carrie Rau, Oklahoma City, OK; Salt Lake City, UT. *The University of Utah School of Medicine (WSPR)*

Abstract 549

**8:45 INVESTIGATING CEREBRAL BLOOD FLOW AND ITS ASSOCIATION WITH NEURODEVELOPMENTAL DELAY AND COMORBIDITIES IN VERY PRETERM INFANTS.**

*Imran Ahmad, Smeeta R. Sardesai and Manoj Biniwale, Los Angeles, CA. University of Southern California Keck School of Medicine*

Abstract 550

**9:00 IMPLEMENTATION OF A "KEEP THE PEEP" BUNDLE TO REDUCE EXTUBATION FAILURE AND VENTILATOR DAYS IN PRETERM INFANTS.**

*Lauren Suh, Audra Wise, Katherine Weiss and Sandra L. Leibel, La Jolla, CA; Las Vegas, NV; San Diego, CA. Torrey Pines High School*

Abstract 551

**9:15 EARLY OUTCOMES OF A NOVEL RIGHT ATRIAL VENO-VENOUS ECMO CANNULA IN NEONATES AND PEDIATRIC PATIENTS: AN INSTITUTIONAL REVIEW.**

*Vinay Kalvacherla, Elana Vandermolen, Michael Sobolic, Brian Gray, Christian C. Yost and Nicholas R. Carr, Salt Lake City, UT; Indianapolis, IN. University of Utah Health*

Abstract 552

**9:30 IMPLEMENTATION OF DELIVERY ROOM ECHOCARDIOGRAPHY FOR NEONATES WITH D-TRANSPOSITION OF THE GREAT ARTERIES.**

*Emma Harding, Blair Weikel, Theresa Grover, Jeanne Zenge, Regina Reynolds and Rebecca Shay, Denver, CO. University of Colorado System*

Abstract 553

**9:45 NICU FELLOW PERSPECTIVES ON LEADING DEBRIEFS: A MULTI-INSTITUTIONAL QUALITATIVE STUDY.**

*Jennifer Sanchez and Helen Wang, La Jolla, CA. University of California San Diego*

Abstract 554

**Neonatology - Perinatal Biology III**

Studio 105 (Sunset Center)

*Alison C. Chu and Jane S. Stremming, Presiding*

**8:00 NEONATAL SODIUM DEPLETION ALTERS INNATE IMMUNE CELL EXPRESSION IN RESPONSE TO MURINE NEONATAL SEPSIS.**

*Jessica Santana, Geoanna Bautista, Justin Grobe, Jeffrey Segar and Steven McElroy, Davis, CA; Milwaukee, WI. University of California Davis*

Abstract 555

- 8:15 INFANTS BORN FOLLOWING INTRAUTERINE DRUG EXPOSURE: DISPARITIES IN OBTAINING CUSTODY AT DISCHARGE.**  
*Haley Anne Palaganas, Cherry Uy, Amy Yan and Behnoosh Afghani, Irvine, CA; Orange, CA. University of California Irvine Children's Hospital of Orange County (WSMRF)*  
Abstract 556
- 8:30 DECREASED PLACENTAL HTRA-1 PROTEIN AND INCREASED NEUTROPHIL EXTRACELLULAR TRAPS ASSOCIATE WITH HUMAN PREECLAMPSIA.**  
*Joslynn Hoburg, Mark J. Cody, Claudia de Araujo and Christian C. Yost, Salt Lake City, UT. University of Utah Health (WSPR Prolacta Research Award) (WSPR)*  
Abstract 557
- 8:45 DEVELOPING A PRECLINICAL MODEL OF PRENATAL DELTA-9-TETRAHYDROCANNABINOL EXPOSURE TO FURTHER CHARACTERIZE ITS IMPACT ON NEURODEVELOPMENTAL OUTCOMES.**  
*Zarena M. Dominguez, Suzy Davies, Tyler Hipple, Curt Mowry, Daniel Savage and Jessie R. Maxwell, Albuquerque, NM. University of New Mexico School of Medicine*  
Abstract 558
- 9:00 MATERNAL OBESITY DISRUPTS FETAL MONOCYTE IMMUNE RESPONSE AND PLACENTAL GENE REGULATION: A MULTI-OMICS APPROACH.**  
*Richard J. Lalith, Fenghua Zeng, Pei Lin, Jillian Sweetland, Janu Newar, Mariko Horii, Karen Mestan, Mana Parast, Ina S. Stelzer and Eniko Sajti, La Jolla, CA. University of California San Diego*  
Abstract 559
- 9:15 IMPACT OF SOCIAL DETERMINANTS OF HEALTH ON STILLBIRTH RISK.**  
*Claire Dunn, Selin Everett, Cabrina Channing and Kathryn Gray, Seattle, WA. University of Washington*  
Abstract 560
- 9:30 LATE GESTATION FETAL HYPERGLUCAGONEMIA RESULTS IN LOWER FETAL AMINO ACID CONCENTRATIONS AND ALTERS FETAL MUSCLE GROWTH IN PREGNANT SHEEP.**  
*Hannah Fuson, Laura D. Brown, Sarah Cilvik, Stephanie Wesolowski and Paul Rozance, Winston-Salem, NC; Aurora, CO. University of Colorado Anschutz Medical Campus*  
Abstract 561
- 9:45 PLASMA METABOLITES FOLLOWING BRAIN HYPOXIA-ISCHEMIA IN AN OVINE MODEL.**  
*Eesha Natarajan, Jana Mike, Yasmine White and Emin Maltepe, San Francisco, CA. University of California San Francisco*  
Abstract 562

### **Pediatric and Adolescent Medicine III**

Conductor's Room

*Talia G. Thompson, Presiding*

**8:00 FROM CLASSROOM TO CLINICAL PRACTICE: INCORPORATING CHILD ABUSE MEDICINE INTO EMERGENCY MEDICINE RESIDENT EDUCATION.**

*Molly Ray, Kavita Batra, Kristina Domanski and Ashley Barrile, Las Vegas, NV.*

*University of Nevada Las Vegas*

Abstract 563

**8:15 THE PREVALENCE OF SCHOOL-BASED REFERRALS TO A DEDICATED ADOLESCENT PSYCHIATRIC EMERGENCY ROOM.**

*Michael J. Mouawad and C Edward Castelo, Pomona, CA; Torrance, CA. Western*

*University of Health Sciences College of Osteopathic Medicine of the Pacific*

Abstract 564

**8:30 MACHINE LEARNING-BASED PREDICTION OF SUICIDAL THOUGHTS AND BEHAVIORS IN ADOLESCENTS.**

*Isabel Friesner, Joshua Gowin, Liam Hartman and Joel Stoddard, Aurora, CO. University of Colorado Anschutz Medical Campus School of Medicine University of Colorado*

*Anschutz Medical Campus Department of Psychiatry (WSPR Reckitt/Mead Johnson Subspecialty Award) (WSMRF)*

Abstract 565

**8:45 PREVALENCE OF ALCOHOL USE PATTERNS AND ASSOCIATIONS WITH MODERATE TO SEVERE DEPRESSION AND SUICIDAL IDEATION IN A TRANS AND GENDER DIVERSE SAMPLE IN NATIONAL INSTITUTE ON DRUG ABUSE HIV COHORTS.**

*Mary K. Wingerson, Lydia Drumright, Jocelyn R. James and Geetanjali Chander, Seattle, WA. University of Washington School of Medicine*

Abstract 566

**9:00 AN EXPLORATORY STUDY OF FOLLOW-UP CARE NEEDS OF PEDIATRIC CARDIAC ARREST PATIENTS.**

*Yvonne N. Adigwu, Alexander Tan, Anjan Batra, Paulina Schuhler, Jennifer Hayes, Marissa Tierney, Ofelia V. Shiraishi and Behnoosh Afghani, Irvine, CA; Orange, CA.*

*University of California Irvine Children's Hospital of Orange County (WSMRF)*

Abstract 567

**9:15 RACIAL AND RURAL-URBAN DISPARITIES IN CARDIOMYOPATHY MORTALITY AMONG CHILDREN AND YOUNG ADULTS: A TREND ANALYSIS.**

Zareh Torabyan and Laxmi Ghimire, Fresno, CA. *University of California San Francisco Department of Medicine Fresno (WSPR Chiesi Resident Research Award)*

Abstract 568

**9:30 CLINICAL AND PATHOLOGICAL PREDICTORS OF INDIVIDUAL EYE AND WHOLE PATIENT VISUAL OUTCOMES IN RETINOBLASTOMA.**

*Emma R. Shelby, Scott Oliver and Emily McCourt, Aurora, CO. University of Colorado Medicine*

Abstract 569

**9:45 RECOGNIZING ANXIETY IN TURNER SYNDROME EARLY: COMMUNITY ENGAGEMENT TO DEVELOP A PEDIATRIC ANXIETY SCREENING TOOL.**

*Alexandra Carl, Natalia Klamut, Matthew Bolt, Deanna Swain, Marybel Good, Erica Haag, Laura Mangel, Maryrose Masters, Taylor Czarnecki, Jennifer Czarnecki, Shanlee Davis and Talia G. Thompson, Aurora, CO; Westminster, CO. Children's Hospital Colorado*

Abstract 570

**Pulmonary and Critical Care II**

Promenade Lobby (Sunset Center)

*Christian Canarte and Michael Schivo, Presiding*

**8:00 IPSC-DERIVED TRACHEA MODEL TO STUDY SUBMUCOSAL PROTEINS DURING RSV INFECTION.**

*Rachael N. McVicar, Emily Smith, Melina Melameka and Sandra L. Leibel, La Jolla, CA. Sanford Burnham Prebys Medical Discovery Institute (WAFMR/WAP/WSCI Student Subspecialty Award)*

Abstract 571

**8:15 THE MANAGEMENT OF A LARYNGOCELE CAUSING ACUTE AIRWAY OBSTRUCTION WITH A BALL VALVE EFFECT: A CASE REPORT.**

*Evan Chang and Christopher G. Tang, Berkeley, CA; San Francisco, CA. University of California Berkeley College of Engineering*

Abstract 572

**8:30 TRENDS IN EPIDEMIOLOGY OF DEEP VEIN THROMBOSIS AND PULMONARY EMBOLISM IN ORTHOPEDIC SURGERY PATIENTS 2017-2023.**

*Shelby A. Cowan, Kassem Ghayyad, Maya Naik and Amir Kachooei, Orlando, FL; Columbia, SC; Coral Gables, FL. Rothman Orthopaedic Institute University of South Carolina School of Medicine Columbia*

Abstract 573

**8:45 UTILITY OF PLEURAL DRAINAGE FOLLOWING RESECTIONAL LUNG SURGERY IN PEDIATRIC PATIENTS.**

*Deepika P. Kamineni and David R. Rothstein, Seattle, WA. University of Washington School of Medicine*



Abstract 574

**9:00 THE RELATIONSHIP OF THE EARLY EDUCATION OF THE DANGERS OF VAPING/E-CIGARETTE USE IN TEENS.**

*Rukmini K. Surnedi, Corpus Christi, TX. Veterans Memorial High School*

Abstract 575

**9:15 COR TRIATRIATUM SINISTER: A RARE CAUSE OF RESPIRATORY DISTRESS IN THE NEWBORN.**

*Amitie N. Camilleri and Lerraughn Morgan, Madera, CA. Valley Children's Healthcare*

Abstract 576

**9:30 POST-COVID INTERSTITIAL LUNG DISEASE.**

*Lawrence Okumoto, Rasha Kuran and Kasey Fox, Bakersfield, CA. Kern Medical Center*

Abstract 577

**9:45 ELECTRONIC CIGARETTE WITH NICOTINE INDUCES A PRO-INFLAMMATORY TRANSCRIPTOMIC SHIFT IN ADIPOSE TISSUE FROM APOE KNOCKOUT MICE.**

*Justin Xu, Jocelyn Molina, Juan Carlos Rivera, Kamrul Hasan, Xuesi Shao, Theodore Friedman and Jorge Espinoza-Derout, Los Angeles, CA. Charles R. Drew University of Medicine and Science*

Abstract 578

**CONCURRENT SESSIONS**

**Saturday, January 18, 2025**

**10:15 AM – 12:00 PM**

*Jointly sponsored by*

**WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH  
WESTERN SOCIETY FOR CLINICAL INVESTIGATION  
WESTERN ASSOCIATION OF PHYSICIANS  
WESTERN SOCIETY FOR PEDIATRIC RESEARCH**

**Behavior, Development and Psychology III.....Promenade Lobby  
Genetics III.....Studio 105  
Healthcare Delivery Research VII – Quality Improvement .....Babcock #6  
Hematology and Oncology III.....Green Room  
Immunology and Rheumatology II.....Room 5, Sunset Center  
Neonatology – General VI.....Carpenter Hall  
Neonatology Pulmonary III .....Conductor’s Room  
Neuroscience III.....Rehearsal Room**

---

**Behavior, Development and Psychology III**

Promenade Lobby (Sunset Center)

*Roger S. Akins and Talia G. Thompson, Presiding*

**10:15 WHEN SILOED SPECIALISTS COLLABORATE TO IMPROVE PATIENT CARE: A UNIQUE AUTISM AND GENDER SPECIALTY CLINIC AT A LARGE, MOUNTAIN WEST REGIONAL HOSPITAL.**

*Caitlin Middleton and Lindsey Devries, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 579

**10:30 UNDERSTANDING THE EXPERIENCES OF FAMILIES AFTER DIAGNOSIS: IMPACT OF FAMILY NAVIGATION IN AUTISM SPECTRUM DISORDER.**

*Anna C. Morgan, Ingrid Y. Lin and Heidi M. Feldman, Stanford, CA. Stanford University School of Medicine*

Abstract 580

**10:45 BARRIERS AND TRAINING GAPS IN AUTISM CARE: PERSPECTIVES FROM SPANISH-SPEAKING PROFESSIONALS AND FAMILIES.**

*Lisamelia Espaillat Solano, Rosa D. Rodriguez, Maribel Hernandez, Vanessa Avila-Pons, Roger S. Akins, Aubyn Stahmer and Bibiana Restrepo, Santiago De Los Caballeros, Dominican Republic; Sacramento, CA. University of California Davis MIND Institute University of California Davis Department of Pediatrics (WSPR)*

Abstract 581

**11:00 FAMILY NAVIGATION FOR CHILDREN WITH AUTISM: A SCOPING REVIEW OF QUANTITATIVE AND QUALITATIVE EVIDENCE.**

*Ingrid Y. Lin, Anna C. Morgan, Heidi M. Feldman and Lynne C. Huffman, Stanford, CA. Stanford University*

Abstract 582

**11:15 GENOMIC AND OTHER CONTRIBUTORS TO CLINICAL OUTCOMES IN HISPANIC CHILDREN WITH AUTISM SPECTRUM DISORDER.**

*Bridget A. Fernandez, Grace Lee, Karla Paredes Gonzalez and Matthew A. Deardorff, Los Angeles, CA. Children's Hospital Los Angeles Keck School of Medicine of USC (WSPR Chiesi Fellow Award)*

Abstract 583

**11:30 NEW IDEAS FOR IMPROVING SOCIAL DEVELOPMENT IN SEX CHROMOSOME TRISOMY INSPIRED BY MASKING REQUIREMENTS DURING THE COVID-19 PANDEMIC; THE EXTRAORDINARY BABIES STUDY.**

*Rebecca Wilson, Talia G. Thompson, Samantha Bothwell and Nicole T. Tartaglia, Denver, CO. University of Colorado System*

Abstract 584

**11:45 RELATIONS BETWEEN CAREGIVER MENTAL HEALTH AND QUALITY OF HOME ENVIRONMENT IN PRETERM HISPANIC AND NON-HISPANIC CHILDREN.**

*Marion P. Rios, Virginia A. Marchman, Heidi M. Feldman, Nuria L. Ontiveros Perez and Molly Lazarus, Stanford, CA. Stanford University School of Medicine*

Abstract 585

**Genetics III**

Studio 105 (Sunset Center)

*Adriana Gomes and Dena Matalon, Presiding*

**10:15 CLINICAL MANIFESTATIONS IN MEDNIK SYNDROME: A CASE SERIES OF THREE PATIENTS WITH HOMOZYGOUS TYR62TER VARIANT IN *AP1S1*.**

*Madhuri Kasa and Jeremy Woods, Madera, CA. Valley Children's Hospital*

Abstract 586

**10:30 LANGERHANS CELL HISTIOCYTOSIS IN PATIENTS WITH CARDIOFACIOCUTANEOUS SYNDROME.**

*Laura Keehan, David Stevenson and Annie D. Niehaus, Stanford, CA. Stanford University School of Medicine*

Abstract 587

**10:45 ROLE OF EXON 6 DELETION IN LIPASE MATURATION FACTOR 1 FUNCTION.**

Zachary I. Hall and Miklos Peterfy, Pomona, CA. *Western University of Health Sciences (WSMRF)*

Abstract 588

**11:00 DISCORDANT CFDNA RESULTS AND POSTNATAL PHENOTYPIC SEX: A CASE STUDY.**

*Beril Ay, Michael Larsen, Audrey Rutz, Josue Flores, Kathleen H. Timme, Kristina Suorsa and Vanina Taliercio, Istanbul, Turkey; Salt Lake City, UT. Acibadem Universitesi Tip Fakultesi*

Abstract 589

**11:15 TETHERED SPINAL CORD AND NEUROGENIC BLADDER IN TRISOMY 18.**

*Michael Phillipi, Ladawna Gievers, Casey Seideman and Amanda Kim, Colton, CA; Portland, OR; Seattle, WA. California University of Science and Medicine*

Abstract 590

**11:30 LARS2 HOMOZYGOUS VARIANT IN A PATIENT WITH HYPERTROPHIC CARDIOMYOPATHY AND BRAIN ABNORMALITIES: POSSIBLE PHENOTYPIC EXPANSION FOR PERRAULT SYNDROME 4.**

*Álvaro Martín-Rodríguez, Miguel D. del Campo and Lynne B. Bird, La Jolla, CA. University of California San Diego Office of the Vice Chancellor for Health Sciences*

Abstract 591

**11:45 ATYPICAL PRESENTATIONS OF LOCALIZED HEMIHYPERTROPHY IN A CHILD WITH TUBEROUS SCLEROSIS COMPLEX.**

*Jeffrey Wang, Alena Egense, Daniah T. Belefond, Erynne A. Faucett, Marcela Estrada and Suma P. Shankar, Sacramento, CA. UC Davis Medical Center*

Abstract 592

**Healthcare Delivery Research VII - Quality Improvement**

Babcock #6 (Sunset Center)

*Suha Bachir, Presiding*

**10:15 STANDARDIZATION AND APPLICATION OF FUNCTIONAL ECHOCARDIOGRAPHY (SAFE) QUALITY IMPROVEMENT: PATENT DUCTUS ARTERIOSUS EVALUATION.**

*Piyawat Arichai, Ivonne E. Sierra-Strum, Sheryar Siddiqui, Japmeet K. Sandhu, Rutuja Kibe, Jane Huang, Karla Ortiz, Erin Myers, Jasmine Massoumi, Merujan Uzunyan, Apichai Khongphatthanayothin, Mahmood Ebrahimi, Farshad Mohammad Pour, Anik Akopyan, Shahab Noori, Yogen Singh, Smeeta R. Sardesai and Rangasamy Ramanathan, Irvine, CA; Los Angeles, CA; Sacramento, CA; Loma Linda, CA; Honolulu, HI. Los Angeles General Medical Center Children's Hospital Los Angeles (WAFMR/WAP/WSCI Student Subspecialty Award) (WSPR)*

Abstract 593

- 10:30 EMPLOYING LARGE LANGUAGE MODELS TO ASSESS PHYSICIAN RATIONALE FOR BYPASSING CLINICAL DECISION SUPPORT SYSTEM ALERTS.**  
*Michael Phillippi, Hannah Cho, Jeanette Meraz, Gavin Shu, Jady Lontoc, Shawn Sun, Justin Glavis-Bloom and Roozbeh Houshyar, Orange, CA. University of California Irvine*  
 Abstract 594
- 10:45 QUALITY IMPROVEMENT STUDY ON INTEGRATIVE BEHAVIORAL HEALTH CARE IN A STUDENT-RUN CLINIC.**  
*Surya Balamurugan, Pragadeesh Raj, Joseph Morrison and Kate Richards, Davis, CA; Sacramento, CA. University of California Davis*  
 Abstract 595
- 11:00 IMPROVING DEPRESSION AND ANXIETY SCREENING RATES AMONG PATIENTS IN A FREE STUDENT-RUN CLINIC: A QUALITY IMPROVEMENT PROJECT.**  
*Jose M. Olivas-Blanco, Darlene Tran, Nicole Nagayama and Kate Richards, Sacramento, CA. UC Davis Health*  
 Abstract 596
- 11:15 IMPROVING SCREENING AND DOCUMENTATION OF NEONATAL ADVERSE CHILDHOOD EXPERIENCES WITH QUALITY IMPROVEMENT METHODOLOGY.**  
*Kaitlyn Sacotte and Carrie Torr, Salt Lake City, UT. University of Utah Health (WSPR)*  
 Abstract 597
- 11:30 FROM BUSTLE TO BRILLIANCE: TRANSFORMING ONE OF THE BUSIEST NON-ACADEMIC HOSPITALS INTO AN ACADEMIC CENTER AND ITS IMPACT ON QUALITY OF CARE.**  
*Joshua Tsai, Daniela Carralero-Somoza, Juan C. Rivera-Martinez, Vivek Patel and Luis Daniel Lugo Rosado, Lakeland, FL. Lakeland Regional Medical Center Inc*  
 Abstract 598
- 11:45 TELEBUP PROCESS AND OUTCOMES: A PROGRAM EVALUATION OF A BUPRENORPHINE PRESCRIBING HOTLINE.**  
*Chelsea Wan, Olivia Hood, Callan Fockele, Chris Buresh and Lauren Whiteside, Seattle, WA. University of Washington Department of Emergency Medicine*  
 Abstract 599

**Hematology and Oncology III**  
 Green Room (Sunset Center)  
*Thomas D. Deloughery, Presiding*

- 10:15 APPLICATION OF THE RE-VASC SCORING SYSTEM ON TUMOR STAGING IN A LARGE ACADEMIC CENTER.**  
*Ryan Sabour, Cameron Fateri, Erwin Ho, Shane Toma, Alvin Tran, Kasha Chen, Gavin*

Shu, Samuel Anavim, Michael Phillipi, Monica Gerges, Cassidy Tung, Young Hayley, Sohrab Kharabaf and Roozbeh Houshyar, Irvine, CA. *University of California Irvine*

Abstract 600

**10:30 MENTAL HEALTH CONDITIONS IN PATIENTS WITH CUTANEOUS T CELL LYMPHOMA.**

*Jiranut J. Sukomol and Michi Shinohara, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 601

**10:45 CANCER INCIDENCE, PREVALENCE AND MORTALITY VERSUS PUBMED PUBLICATIONS - A LOOSE CORRELATION - A PILOT STUDY OF THE U.S.'S TOP 15 CANCERS.**

*Angela Hakobyan, Marietta Kaloyan, Sofiya Ghazaryan, Christian Dergazarian, Aren Dermarderosian and Sarmen Sarkissian, Los Angeles, CA; Henderson, NV; Sacramento, CA; Davis, CA; Mission Hills, CA; Glendale, CA. University of California Los Angeles Armenian American Medical Society*

Abstract 602

**11:00 COMPARISON OF TWO DIFFERENT FIXED-DOSE FACTOR EIGHT INHIBITOR BYPASSING ACTIVITY (FEIBA) REGIMENS IN THE MANAGEMENT OF WARFARIN-ASSOCIATED COAGULOPATHIES.**

*Francisco Ibarra, Mariela Mendoza, Evan Cheng and Benjamin Falkenstein, Fresno, CA; Clovis, CA. California Health Sciences University*

Abstract 603

**11:15 PRIMARY NEUTRON RADIOTHERAPY FOR LOCALLY ADVANCED BASE OF TONGUE ADENOID CYSTIC CARCINOMA: LONG-TERM OUTCOMES .**

*Anthony K. Heng, August Anderson, Robert D. Stewart, George Laramore, Neil Panjwani, Upendra Parvathaneni, Cristina Rodriguez, Neal Futran, Brittany Barber, Emily Marchiano and Jay J. Liao, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 604

**11:30 CLINICAL PREDICTORS AND OUTCOMES OF ACRAL LENTIGINOUS MELANOMA PATIENTS: A SINGLE-INSTITUTION RETROSPECTIVE ANALYSIS.**

*Shilpa S. Mantri, Hye W. Hwang and Gino In, Los Angeles, CA; Incheon, Korea (the Republic of). University of Southern California (WAFMR)*

Abstract 605

**11:45 EVALUATION OF RED BLOOD CELL TRANSFUSION PRACTICES IN THE MEDICAL INTENSIVE CARE UNIT (ICU): A RETROSPECTIVE STUDY AT A LARGE ACADEMIC CENTER.**

*Colin Bingham, Monica B. Pagano, Hamilton C. Tsang, Jing Zhang, Lauren Mathews and*

Maryam Asif, Seattle, WA. *University of Washington Department of Laboratory Medicine & Pathology (WAFMR)*

Abstract 606

## **Immunology and Rheumatology II**

Room 5 (Sunset Center)

*Jane B. Buckner and Sebastien Fuchs, Presiding*

### **10:15 EFFECTS OF MENOPAUSE ON INNATE IMMUNE DEFENSE MECHANISMS IN URINARY CELLS.**

*Ariel Y. Chen, Lina Loza, Fernando Pereira Beserra, Humberto Escobedo, Annika Smith, Kathleen Connell, Michael Schurr, Joshua Johnson and Marsha Guess, Aurora, CO. University of Colorado Anschutz Medical Campus School of Medicine*

Abstract 607

### **10:30 REGULATORY T-CELLS IN HERPETIC LESIONS AND THEIR IMPACT ON VIRAL SHEDDING RATES AMONG SUBJECTS WITH HERPES SIMPLEX VIRUS 2 INFECTIONS.**

*Morgane McGuire, Khamson Phasouk and Jia Zhu, Seattle, WA. University of Washington School of Medicine*

Abstract 608

### **10:45 GIANT CELL ARTERITIS AND THE USE OF ULTRASOUND IN ITS DIAGNOSIS.**

*Hridya Harimohan, Rohini Bilagi and B.Quynh Huynh, Bakersfield, CA. Kern Medical Center*

Abstract 609

### **11:00 CHALLENGING THE NORMS: A CASE OF GIANT CELL ARTERITIS WITH POLYMYALGIA RHEUMATICA DESPITE ATYPICAL INFLAMMATORY MARKERS.**

*Amira Elgogary and Vanessa Hoytfox, Naples, FL. NCH Healthcare System*

Abstract 610

### **11:15 COMPARING AND ASSESSING POCUS VS CART-BASED TO DESIGN A MONITORING PROTOCOL OF INDUCED MUSCULOSKELETAL INJURIES IN RATS TRANSLATING TO TREATING COMMON HUMAN MUSCLE INJURIES.**

*Sydney Kobak, Ellis Akana, Belinda McCully, Nicolaus E. Salm and Brion Benninger, Lebanon, OR. Western University of Health Sciences College of Dental Medicine*

Abstract 611

### **11:30 ELUCIDATING THE MECHANISM OF RELT-INDUCED APOPTOSIS IN BREAST CANCER CELLS.**

*Ihab Abed, Kailey Nguyen, Maryann Batiste, Bethany Joy, Ashley Christensen, Hannah*

Chang, Eslam Mohamed and John Cusick, Elk Grove, CA. *California Northstate University College of Medicine*

Abstract 612

**11:45 WHEN RITUXIMAB FALLS SHORT: NAVIGATING PERSISTENT FLARES IN NEUROMYELITIS OPTICA SPECTRUM DISORDER.**

*Halley Yung, Nachum Lebovics, Ahan Bhatt and Bronson Raja, New York, NY; Bronx, NY. The City College of New York CUNY School of Medicine*

Abstract 613

**Neonatology General VI**

Carpenter Hall

*Fatima Eskandar-Afshari and Shelley Lawrence, Presiding*

**10:15 ADMINISTRATION OF BIOMIMETIC RED BLOOD CELL MEMBRANE-COATED NANOSPONGES WITH TARGETED ANTIBIOTICS GREATLY IMPROVES SURVIVAL IN A MURINE MODEL OF NEONATAL PERITONITIS COMPARED TO ANTIBIOTIC THERAPY ALONE.**

*Shannon M. Nielsen, Weiwei Gao, Liangfang Zhang, Victor Nizet and Shelley Lawrence, Salt Lake City, UT; La Jolla, CA. The University of Utah School of Medicine (WSPR Reckitt/Mead Johnson Subspecialty Award)*

Abstract 614

**10:30 CATEGORIZING AND PREDICTING THE QUALITY OF GROWTH IN PRETERM INFANTS BORN BEFORE 32 WEEKS GESTATION USING THE POSTNATAL GROWTH CHARTS FOR PRETERM INFANTS.**

*Crystal Hsueh and Fu-sheng Chou, Los Angeles, CA; Pasadena, CA. University of California Los Angeles*

Abstract 615

**10:45 OPTIC NERVE PARAMETERS IN PREMATURE INFANTS AT 36 WEEKS POSTMENSTRUAL AGE DO NOT PREDICT VISUAL ACUITY AT 9 MONTHS, 2 YEARS, AND 5 YEARS.**

*Rodrigo Guillen, Hyeslin Jeon, leona Ding, Claire park, Jason Bunk, Laura Grant, Ayesha Shariff, Thomas Gillette, Alex Legocki, Kristina Tarczy-Hornoch and Michelle T. Cabrera, Busan, Korea (the Republic of); Seattle, WA; Rochester, MI; Georgetowr, TX; Albuquerque, NM. University of Washington School of Medicine*

Abstract 616

**11:00 NEOCARD AI TUTOR: CAN GENERATIVE AI TEACH NEONATAL-PERINATAL MEDICINE TRAINEES ABOUT CONGENITAL HEART DISEASE?**

*Piyawat Arichai, Ivonne E. Sierra-Strum, Karla Ortiz, Jennifer Shepherd, Patrick Sullivan, Smeeta R. Sardesai, Amy M. Yeh and Alvaro Moreira, Los Angeles, CA; San Antonio, TX. Children's Hospital Los Angeles Los Angeles General Medical Center (WSPR)*

Abstract 617



**11:15 TRACHEAL SUCTION USING SUPRAGLOTTIC AIRWAY IN NON-VIGOROUS LAMBS WITH MECONIUM ASPIRATION – A FEASIBILITY PILOT STUDY.**

*Jessa Rose A. Li, Deepika Sankaran, Evan Giusto, Amy Lesneski, Rebecca Valdez, Victoria L. Hammitt, Sylvia Gugino and Satyan Lakshminrusimha, Sacramento, CA; Buffalo, NY. University of California Davis*

Abstract 618

**11:30 CHILDBIRTH IN NEPAL: A SITUATION ANALYSIS FROM ACCHAM DISTRICT.**

*Rebecca Mabee, Sarah Matson, Bibek Lamichhane, Santosh Rawal, Kishor Rawal, Bernhard Fassel and Allison Judkins, Salt Lake City, UT; Kathmandu, Nepal; Rootstown, OH. University of Utah Health Hospitals and Clinics (WSPR)*

Abstract 619

**11:45 DIFFERENCES IN CORTISOL CONCENTRATIONS BETWEEN BREASTMILK AND SALIVA.**

*Vincent A. Singleton, Laurel Nunez, Nancy Johnston, Weston A. Hobbs, Derrick Phillips and Bethaney Fehrenkamp, Seattle, WA; Moscow, ID; Lewiston, ID. University of Washington School of Medicine (WSMRF)*

Abstract 620

**Neonatology Pulmonary III**

Conductor's Room

*Matt Douglass and Sandra L. Leibel, Presiding*

**10:15 UNIVERSITY OF UTAH KURT H. ALBERTINE STATE-OF-THE-ART LECTURE: UNDERSTANDING BRONCHOPULMONARY DYSPLASIA AT A SINGLE-CELL RESOLUTION.**

*Xin S. Sun, University of California San Diego*

**10:45 CONTINUOUS INFUSION OF RECOMBINANT HUMAN IGF-1 COMPLEX DID NOT PROMOTE CAPILLARY GROWTH IN THE SUBVENTRICULAR ZONE OF THE BRAIN OR HIPPOCAMPUS IN MECHANICALLY VENTILATED PRETERM LAMBS.**

*Nicolaas Hamberlin, Maggie Simmons, Rachael Peel, Jakob Van Boerum, Andrew Rebentisch, Emily Major, Zoë Vordos, Elaine Dawson, Matt Douglass, Norman Barton, Victoria Niklas, Mark McHale, Donald Null, Robert Ward, Mar J. Dahl and Kurt Albertine, Salt Lake City, UT; Altrincham, United Kingdom. University of Utah Health (WSMRF)*

Abstract 621

**11:00 PRETERM LAMBS DELIVERED FROM 110D GESTATION AND MECHANICALLY VENTILATED FOR 3D HAD MORE SEVERE ALVEOLAR SIMPLIFICATION AND RESPIRATORY MECHANICS IMPAIRMENT THAN**

**AT LATER GESTATION AGES.**

*Andrew Rebentisch, Jakob Van Boerum, Linden Carter, Emily Major, Zoë Vordos, Michael Borton, C Veneroni, Davide Bizzotto, R Dellaca, A Lavizzari, Kurt Albertine, Matt Douglass and Mar J. Dahl, Salt Lake City, UT; Milano, Italy; Milan, , Italy. University of Utah Health (WSMRF)*

Abstract 622

**11:15 EVALUATION OF DELIVERED PRESSURES AND INTERFACE LEAK IN REAL-TIME DURING NON-INVASIVE VENTILATION IN NEWBORN INFANTS UTILIZING NIV PLUS SOFTWARE.**

*Karla Ortiz, Rangasamy Ramanathan, Smeeta R. Sardesai and Manoj Biniwale, Los Angeles, CA. Los Angeles General Medical Center*

Abstract 623

**11:30 ENDOTRACHEAL TUBE EXCHANGES IN PREMATURE INFANTS WITH LATE EVOLVING CHRONIC LUNG DISEASE: PROCEDURE SAFETY AND ASSOCIATION WITH IMPROVEMENT IN PULMONARY MECHANICS.**

*Mackenzie Parker, Rebecca Shay, Blair Weikel and Kathleen E. Hannan, Aurora, CO. University of Colorado Anschutz Medical Campus*

Abstract 624

**11:45 LCPUFA SURGE AND ALTERED PPAR $\gamma$  ISOFORM RATIOS PROCEED ALVEOLAR FORMATION IN THE DEVELOPING RAT LUNG.**

*Daniel T. Wray, Wesley Chidester, Sofia Levaratto and Lisa Joss-Moore, Salt Lake City, UT. University of Utah Health*

Abstract 625

**Neuroscience III**

Rehearsal Room (Sunset Center)

*Frances E. Chow and Derrick Phillips, Presiding*

**10:15 REDUCING THE LENGTH OF STAY: THE EFFICACY OF PHYSICAL MEDICINE AND REHABILITATION CONSULTATIONS.**

*Mariya Sadek, Michael Arias, Brandon Scott, Punit Patel, Nina Bhupathiraju, Andres Zuleta and Rishi Shah, Escondido, CA; La Jolla, CA; Los Angeles, CA. Palomar Health Rehabilitation Institute*

Abstract 626

**10:30 FACTORS INFLUENCING INTRAOPERATIVE LANGUAGE MAPPING SUCCESS DURING AWAKE CRANIOTOMY.**

*Rya Berrigan, Jessica Eaton and Benjamin Grannan, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 627

**10:45 ARGINASE-1 MICROGLIA AND BRAIN TISSUE SCAR AFTER NEONATAL STROKE.**

*Jana Mike, Emin Maltepe and Donna M. Ferriero, San Francisco, CA. University of California San Francisco (WAP/WSCI Travel Award)*

Abstract 628

**11:00 THE RELATIONSHIP BETWEEN PRE-TREATMENT SEIZURES AND MENTAL HEALTH IN PEOPLE WITH NEWLY DIAGNOSED FOCAL EPILEPSY.**

*Alexandra D. Danciutiu, Sarah Jackson, Jacqueline French, Andres M. Kanner, Terence J. O'Brien, Michael Sperling, Melodie R. Winawer and Jacob Pellinen, Denver, CO; New York, NY; Melbourne, Australia; Philadelphia, PA; Miami, FL. University of Colorado System*

Abstract 629

**11:15 SHORT-WAVELENGTH LIGHT INCREASES CORNEAL SENSITIVITY.**

*Tenayaann Tresko, Brian Chou, Ethan Buhr, Russell Van Gelder and Shu Feng, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 630

**11:30 CHARACTERISTICS OF PEOPLE WITH NEW-ONSET FOCAL EPILEPSY STARTED ON LAMOTRIGINE IN THE HUMAN EPILEPSY PROJECT.**

*Amber L. Young, Sarah Barnard, Jacqueline French, Manisha G. Holmes and Jacob Pellinen, Aurora, CO; Melbourne, Australia; New York, NY; Valhalla, NY. University of Colorado Anschutz Medical Campus School of Medicine (WSMRF)*

Abstract 631

**11:45 ASSESSMENT OF BINOCULAR VISION FUNCTION IN CHILDREN USING ELECTROENCEPHALOGRAM.**

*Melody Gao, Jake Ochs, Mark Pettet, Ione Fine, Kristina Tarczy-Hornoch and Kimberly Meier, Seattle, WA; Houston, TX. University of Washington School of Medicine (WSMRF)*

Abstract 632

**OFFICERS  
2024-2025**

**Western Section American Federation for Medical Research**

<b>CHAIR</b> Sebastien Fuchs <i>Western University of Health Sciences</i>	<b>CHAIR-ELECT</b> Mimi Kim <i>Children's Hospital Los Angeles</i>	<b>SECRETARY/TREASURER</b> Shan Luo <i>Keck School of Medicine USC</i>
	<b>PAST-CHAIR</b> David A Stevenson <i>Stanford University</i>	
	<b>COUNCILORS</b>	
Denise Al Alam <i>Lundquist Institute for Biomedical Innovation</i>	Anna Ryabets-Lienhard <i>Children's Hospital Los Angeles</i>	Suma Shankar <i>University of California Davis</i>
Rangasamy Ramanathan <i>Keck School of Medicine USC</i>	Hendrik Szurmant <i>Western University of Health Sciences</i>	Christina Tise <i>Stanford University</i>
	Anthony Lim <i>Eisenhower Health</i>	

**Western Association of Physicians and Western Society for Clinical Investigation**

<b>PRESIDENT</b> W. Conrad Liles <i>University of Washington</i>	<b>VICE PRESIDENT</b> Frederick S. Buckner <i>University of Washington</i>	<b>SECRETARY/TREASURER</b> W. Conrad Liles <i>University of Washington</i>
	<b>COUNCILORS</b>	
David N. Gilbert <i>Providence Portland Medical Center</i>	Carlin Long <i>University of California, San Francisco</i>	Charles Edelstein <i>University of Colorado-Denver</i>
Peter Ganz <i>University of California, San Francisco</i>	Joshua Goldhaber <i>Cedars-Sinai, Los Angeles</i>	Robert Ross <i>University of California, San Diego</i>

**Western Society for Pediatric Research**

<b>PRESIDENT</b> Mariana Baserga <i>University of Utah</i>	<b>PRESIDENT-ELECT</b> Kathleen Angkustsiri <i>University of California, Davis</i>	<b>PAST PRESIDENT</b> Nicole Tartaglia <i>University of Colorado</i>
<b>SECRETARY/TREASURER</b> Shanlee Davis <i>University of Colorado</i>	<b>OF COUNCIL</b> Marilyn C. Jones <i>Children's Hospital, San Diego</i>	<b>OF COUNCIL</b> Robin Ohls <i>University of New Mexico</i>
	<b>COUNCILORS</b>	
Jessie Maxwell <i>University of New Mexico</i>	Bianca Russell <i>University of California Los Angeles</i>	Alison Chu <i>University of California Los Angeles</i>
Katie Strobel <i>University of Washington, Seattle</i>	Cassidy Delaney <i>University of Colorado</i>	Camille Fung <i>University of Utah</i>
Timothy Bahr <i>University of Utah</i>	Eniko Sajti <i>University of California San Diego</i>	Kristen Wigby <i>University of California, Davis</i>
Rowena Cayabyab <i>University of Southern California</i>	Anita Beck <i>University of Washington, Seattle</i>	Talia Thompson <i>University of Colorado</i>

## AUTHOR INDEX

(Number referenced below is the Abstract/Program number)

\***Bold** represents presenting author

Published in JIM Volume 73, Issue 1 |

- A**
- Aarabi, M 364  
Aavula, M R. 235  
Abadir, S 270, 273, 308, 351, 479  
Abbas, M 252  
Abbott, E 164, 226  
Abdelazeem, K N. 441  
Abe, Y 384  
Abed, I **612**  
Abell, B D. **185**  
Abman, S H. 132, 139  
Abou Antoun, N 380  
Abram, A 313  
Acharya, S 15  
Acharya, T 15  
Adelgais, K 278  
Adetyan, H **274**  
Adhikari, K 216  
Adigwu, Y N. **567**  
Adkisson, K 185  
Adnan, M 205  
Afghani, B 6, 97, 100, 176, 349, 389, 418, 429, 517, 521, 556, 567  
Afolabi, O 254  
Afrose, L 122  
Afshar, Y 197  
Agarwal, I 238  
Aghaeepour, N 56, 196  
Agrawal, D K. 71, 72, 235  
Aguiar Bonfim Cruz, A 527  
Agustines, D 268, 335  
Ahad, R 336  
Ahmad, H **102**  
Ahmad, I **550**  
Ahmed, M 151, 496  
Ahn, A **349**  
Ajalat, K **447**
- Ajayi, F 244, 246, **502**, 503, 661  
Akana, E **148**, 317, 611  
Akbari, O 60  
Akhavan, S **269**  
Akins, R S. 581  
Akopyan, A 593  
Alag, A **53**  
Al Alam, D A. 380  
Alaniz, V 454  
Albertine, K 59, 136, 217, 621, 622  
Alcaide, J 313  
Aldrich, A 194  
Alexander, D J. **482**  
Ali, A Y. 275, 667  
Ali, L 428  
Ali, L **275**, **633**, 667  
Ali, S 418  
Aliseda, A 487  
Aliyari, S 40  
Al-Juboori, S I. 381  
Allende, M L. 361  
Alluri, R 247  
Alnajjar, R **43**  
Alomar, T O. **417**  
Alomar, Z **39**  
Alruwaili, W 16  
Alshami, W S. **490**  
Alshami, Z 490  
Altman, N 510  
Aly, S 670  
Al-Yousfi, N 254  
Alzeir, O A. **634**  
Amani, N 428  
Amer, K 193  
Amin, A 497  
Amin, M 209  
Aminololama-Shakeri, S 277, 640  
Amistad, J D. **186**
- Ammerman, N 476  
Amuthan, S 138  
An, S 418  
Ananth, A 365  
Ananth, E **329**  
Anavim, S 600  
Ancheta, M 37  
Anderson, A J. **276**  
Anderson, A 604  
Anderson, J 385  
Anderson, M D. 487  
Angeles, D 127  
Angst, M S. 196  
Anguiano, B 531  
Anis, S 97  
Ann O'Banion, L 397  
Ansel, M 34  
Anselmi-Smith, K 341  
Anvari, H 290, **530**  
Applegate, P 89  
Applegate, R 89  
Aragon, A 158  
Aranguri, C 41, 267  
Archambault, J **131**  
Ardaya, O 349  
Arfeen, S 228  
Arias, M 626  
Arichai, P 61, 221, 370, **593**, **617**  
Armour, A **635**  
Armstrong, M 470  
Arneja, J S. 160, 167  
Arora, S 395  
Arreaza, H 260, 663  
Arrowsmith, P 161  
Arzoo, A **477**  
Asare, C 311  
Ashrafi, A **254**, **481**  
Asif, A **270**  
Asif, M **606**  
Assaf, S **636**

Atahualpa, L 382  
Atwood, D 473  
Augustynski, R 541  
Aung, S 445  
Aunjum, A 353, 355  
Avakian, L **543**  
Avery, R 15  
Avetisian, H 247  
Avila-Pons, V 581  
Ay, B **589**  
Azrenkassian, S 270  
Azuerodajud, R 5  
Azzam, A **18**

## B

Baack, M 467  
Baca, J 38  
Bachir, S 182  
Baek, S **167**  
Bahr, T **46**, 378  
Bahr, T M. 123, 125, 379, **458**  
Baig, A 269  
Bai-Tong, S S. **416**  
Bajpai, R 62, **332**  
Baker, C 265, 306, 645, 669  
Baker, J 424  
Baker, K S. 116  
Baker, P R. 470  
Baker, R 417, 424  
Bala, N 382  
Balamurugan, S **595**  
Baldwin, D 225, 244, 246, 502, 503, 661  
Baldwin, E 225, 244, 246, 503, 661  
Baldwin, M K. 519  
Balemba, O 353, 354, 355  
Bali, D 358  
Balkhi, Z 507  
Ballard, M 356  
Ballard, P 130, 133  
Banerji, S **453**  
Banken, I J. **637**  
Bannett, Y **5**, 7

Bansal, A 233, 249, 491, 492, 493  
Banwell, E **123**  
Barber, B 604  
Barnard, S 631  
Barrile, A 563  
Barrows, C **547**  
Barseghyan, L **444**  
Bartlett, M 195  
Barton, L 53, 198, 206, 208, 212  
Barton, N E. **161**, **405**  
Barton, N 59, 136, 621  
Baserga, M B. 125  
Baskys, A 145  
Bateman, K 40  
Batiste, M 612  
Batra, A 567  
Batra, K 563  
Batt, S 201  
Battikha, A A. 225, 243, 244, 246, 345, 400, 502, **503**, 661  
Baudry, M B. 146  
Bauer, J M. 241  
Baum, M 25, 26, 27, 432  
Bauman, I 146  
Baumgarten, N E. **9**  
Bautista, G 383, 385, **505**, 555  
Baxter, B A. 352  
Bayrak-Toydemir, P 536  
Beall, J 204  
Bean, C D. **368**  
Beasley, J F. 336  
Beck, J 326  
Beckford, J 419  
Begley, J 88, **91**  
Begum, A 392  
Beleford, D T. **508**, 592  
Belgacemi, R 380  
Belkacemi, L 140  
Bello, I 517  
Belthur, M V. 391  
Beltran, G 454  
Bemer, M 109

Benjamin, H 195  
Benke, T 365  
Benninger, B 81, 148, 168, 232, 240, 242, 317, 320, 426, 611, **638**, 657, 658  
Benny, C 490  
Benson, D 255  
Berg, B 438  
Bernstein, E 541  
Bernstein, J 531  
Berrigan, R **627**  
Betdashtoo, N **225**, 244, 246, 661  
Betdashtoo, N 503  
Bettencourt, A 514  
Bhandal, M 164, **226**  
Bhatia, S 441  
Bhatnagar, A **330**  
Bhatnagar, N 13  
Bhatt, A 613  
Bhatt, M 645  
Bhatt, N S. 116  
Bhombal, S 206  
Bhrany, A 499  
Bhupathiraju, N 626  
Bi, X 146  
Bilagi, R 609  
Bindra, G 480  
Bingham, C 606  
Biniwale, M 2, 50, 53, 61, 103, 110, 220, 221, 550, 623  
Bioh Hansen-Sackey, E **32**  
Bird, L B. 452, 591  
Bischak, L 281  
Bischoff, A 454  
Bishop, A **501**  
Biswas, R 176  
Bitterman, L 89  
Bizzotto, D 217, 622  
Bjarvin, A **509**  
Black, J 397  
Black, K L. 149  
Blackstone, W Z. **333**  
Blades, C M. 161  
Blair, D R. **532**

Blais, S **169**, 301, 307  
 Blethen, C **639**  
 Blood, A 127  
 Bluml, S 462  
 Bly, R 499  
 Boccia, M M. 434  
 Bogetz, J 9  
 Boghossian, R 154  
 Bol, B M. **443**  
 Boldut, R 64, 177, 393  
 Bolt, M 570  
 Bonavida, B 121  
 Bondy, S 66  
 Bondy, S K. 289, 440  
 Bonifacio, S 548  
 Bonner, D **531**  
 Borges, B **358**  
 Borkowski, G 281  
 Boroditsky, M 167  
 Borromeo, T **277**, **640**  
 Borton, M 622  
 Bose, S 397  
 Bosibori, D 283, 545  
 Bothwell, S 3, 8, 65, **347**,  
 362, 408, 409, 529, 584  
 Bouin, A 143, 147  
 Bowditch, S **192**  
 Bowdle, A 245  
 Bradford, J 186  
 Braga, M 146  
 Braich, S 490  
 Brandt, Z 494  
 Brar, N **641**  
 Brausch, W P. 391  
 Bravo, F W. 15, **255**  
 Bravo, R 373  
 Brecht, M 410  
 Bridger, D 72  
 Britton, J 191  
 Bronsert, M R. 234  
 Brooke, B 234  
 Brooks, J 241  
 Brooks, Q **422**  
 Brothers, A W. 104  
 Brown, A F. 527  
 Brown, A 468  
 Brown, J 260  
 Brown, L 470  
 Brown, L D. 381, 561  
 Brown, M 525  
 Brown, S Y. 304  
 Bruner, S 86  
 Bruns, D R. 88, 91  
 Buchanan, C 454  
 Budvytyte, L **266**  
 Buhr, E 630  
 Bukusi, E 109  
 Bunk, J 616  
 Buresh, C 599  
 Burson, L **480**  
 Bussmann, S 38  
 Butcher, K 446  
 Butcher, L 507  
 Buted, S C. **278**  
 Butler, L **94**  
 Butterfield, J 507  
 Byrd, E 385  
  
**C**  
 Cabrera, A J. 397  
 Cabrera, M T. 616  
 Cacho, B J. 202, 203, 213  
 Caglar, A N. **193**, 460  
 Cahill, P 241  
 Calistro, A 490  
 Calkins, K C. 197, 461  
 Callaway, J 495  
 Calvert, J 645  
 Calvert, P **450**  
 Calvetti, S 124  
 Camilleri, A N. **576**  
 Camilleri, J **108**  
 Campbell, J 504  
 Campos, S 345  
 Canarte, C **380**  
 Canepa, E 358  
 Cappiello, M 338  
 Cardoza, E 430  
 Carl, A 362, **570**  
 Carlson, B 227  
 Carlson, B 257  
 Carlson, J 474, 475  
 Carlson, M **174**  
 Carmona-Bozo, J 449  
 Carpenter, P 504  
 Carr, N R. 107, 552  
 Carralero-Somoza, D 598  
 Carroll, J 209  
 Carson, J D. **494**  
 Carter, C 442  
 Carter, L **217**, 622  
 Casanova, M 417  
 Casarez, A 367  
 Castelo, C 564  
 Castillo Osejo, A 27  
 Cave, J 74  
 Cawthorn, T R. 102  
 Cawthorn, T 165  
 Cayabyab, R 198, 201  
 Cayabyab, R C. 206, 208,  
 212, 370  
 Celestin, D K. **442**  
 Chacko, C 490  
 Chadwell, S 671  
 Chakraborty, P 216, 358  
 Chamberlin, D 474, 475  
 Chamberlin, J 474, 475  
 Chambers, A 440  
 Chambers, C 68  
 Chan, G 31  
 Chan, R 152  
 Chan, S 54  
 Chandan, G 60, 122, 138  
 Chander, G 566  
 Chandran, S 476  
 Chang, A 196  
 Chang, C 407  
 Chang, E I. 381, 470  
 Chang, E **572**  
 Chang, H 442  
 Chang, H 313, **540**, 612  
 Chang, I 359  
 Chang, J 520  
 Chang, J 483  
 Chang, J 174, **388**  
 Chang, M A. 53  
 Chang, Y 361  
 Channing, C 560



Chao, L **194**  
 Chapin, C 130, 133  
 Chapman, T 59  
 Char, D 62, 332  
 Charleson, M 101  
 Chassen, S S. 465  
 Chatterjee, R **144**  
 Chavez, A 463  
 Chen, A 399  
 Chen, A Y. **607**  
 Chen, C 425  
 Chen, E **256**  
 Chen, E 146  
 Chen, J 311  
 Chen, K 111, 295, 600  
 Chen, L 143, 147  
 Chen, S 175  
 Chen, S 174  
 Cheng, A 406  
 Cheng, A 648  
 Cheng, E **603**  
 Cheng, G 40  
 Cheng, W 494  
 Chernel, M G. 233, 249, 491, **492**, 493  
 Chhaniara, E K. **279**  
 Chhetri, S T. 635  
 Chiang, A 309  
 Chidester, W **218**, 467, 469, 472, 625  
 Chilakamarri, L **455**  
 Chimhini, G 216, 466  
 Chism, E 112  
 Cho, E 313  
 Cho, E D. 293  
 Cho, H **100**, **395**, 594  
 Cho, L **118**  
 Choe, J 356  
 Choi, A **399**  
 Choi, D 506  
 Choi, J 6  
 Chong, J 533  
 Chong Hu, J 446  
 Chou, B 630  
 Chou, F 375, 615  
 Chou, Y 180  
 Chow, F E. 304  
 Chowdhry, E **153**  
 Chowdhury, Z 231  
 Christensen, A **313**, 612  
 Christensen, R D. 46, 379, 458  
 Christensen, S **175**  
 Chung, A 399  
 Chung, E 417  
 Chung, W 57  
 Cilvik, S 561  
 Clark, R D. 178, 334  
 Clarke, M 340  
 Clayborn, R J. **90**  
 Clement, J 443  
 Coats, S L. 549  
 Cobb, T 86  
 Cody, M J. 28, 464, 557  
 Cohen, J L. 358  
 Colborn, K 234  
 Cole, A 172  
 Colglazier, E 376  
 Collins, C **227**  
 Collins, C **157**  
 Collins, N 345, **400**  
 Collins, R 230, **267**, 651  
 Coloma, M **48**  
 Colon Hidalgo, D 135  
 Columbo, J 397  
 Colzani, R 671  
 Comerford, K **182**  
 Compton, S **280**  
 Cong, C Y. 36  
 Connell, K 607  
 Cooper, D 293  
 Cooper, S 109  
 Cooper, S 171, 542  
 Corbo, S 441  
 Corella, J G. 257, **321**  
 Counts, C R. 156  
 Courtemanche, R 160, 167, 171, 542  
 Coutts, S 199  
 Cowan, S A. **573**  
 Cowles, T **281**  
 Cox, J 472  
 Cox, J C. 107  
 Craig, K 417  
 Cramer, S 305  
 Cramer, S 356  
 Crew, A 31  
 Crisostomo, I **77**  
 Croal, L 671  
 Crossen, S 175  
 Crouch, E 48  
 Cruz, J 437  
 Cunningham, J 66, 289, 301, 307, 440  
 Curry, C J. 363  
 Cusick, J 118, 293, 313, 540, 612  
 Czarnecki, J 570  
 Czarnecki, T 570  
  
**D**  
 Dahl, M J. 59, 136, 217, 621, 622  
 Daily, Z **140**  
 Dalati, L 520  
 Daley, J 54  
 Damodaran, C 338  
 Damron, D 236  
 Danciu, A D. **629**  
 Dang, Q **187**, 188  
 Danopoulos, S 380  
 Dantam, C R. **336**  
 Dao, K T. **257**, 481, **642**, **643**  
 Daoud, W 230, 267  
 Dapaah-Siakwan, F 32  
 Darden, D 16  
 Darling, J 443  
 Darmani, N 140  
 Darmstadt, G L. 216, 466, 471  
 Daroch, A K. **302**  
 Darragh, L B. 441  
 Darwazeh-Gomez, A **404**  
 Daug, A 490  
 Daugherty, S 11, 15  
 Davidge, R 388  
 Davies, S 558

Davis, M 149  
 Davis, S 4, 65, 347, 362, 525, 529, 570  
 Davtyan, E 642, 643  
 Dawson, E 59  
 Dawson, E 217, 621  
 Dear, T **381**  
 de Araujo, C 28, 464, 557  
 Deardorff, M A. **456**, 583  
 Debiec, K 67  
 DeBroux, T 195  
 Deckerman, D **331**  
 Deckerman, P 10, 12, 13, 14, **17**, 82, 83, 84, 85, 262, **326**, 327, 328, 329, 330  
 Deemer, E 339  
 Delaney, C 131, 135  
 del Campo, M D. 591  
 Del Caprio, D 306  
 Delgado-Esbenshade, T 461  
 Dellaca, R 217, 622  
 Del Medico, T 66  
 Del Rosario, P 416  
 De Luca, D 139  
 Deming, D 127, 202, 203, 213  
 Deming, S 424  
 Deng, C 380  
 Deng, Z 132  
 Denham, L 647  
 DePrano, C 521  
 Deras, E A. 526  
 Dergazarian, C 154, **303**, **539**, 543, 602, 644  
 Dermarderosian, A 24, **154**, 274, 294, 303, 539, 543, 602, **644**  
 Descorbeth, M 404  
 DeShields, L A. **357**  
 Deshpande, S 223, **489**  
 Desmond, A 197  
 Dettweiler, S 526  
 Devireddy, S **4**  
 Devisetti, N 44  
 Devries, L 579  
 Dhanapala, Y 102, 165  
 Dharambhat, S 257  
 Dhillon, A 430, 651  
 Dhillon, A 643  
 Dhillon, H **176**  
 Dhillon, H 272  
 Dhillon, H 45, 641  
 Dhir, R 35  
 Diatlov, D **471**  
 Diaz, A 367  
 Diaz, M 522  
 Didde, M S. **36**  
 Dietrich, G 474  
 Dietz, R M. 141, 142, 483  
 DiFilippo, C **454**  
 Dillon, M 278  
 Ding, I 616  
 Dingel, A 417  
 Dinh, J 176  
 Di Nome, M 222  
 Djemil, R 81  
 Dluzniewski, A 424  
 Dobbin, M L. 281  
 Dobrinskikh, E 381  
 Domanski, K 563  
 Dominguez, Z M. **558**  
 Dominguez-Vela, P **348**  
 Dong, A M. 461  
 Dong, F 346  
 Donsanouphit, H 254  
 Dorner, R 547  
 Dosanjh, M **437**  
 Douglas, A 459  
 Douglas, C 366  
 Douglass, M 59, **136**, 217, 621, 622  
 Downes, W M. 439  
 Drain, P 109  
 Drake, H 655  
 Drumright, L 566  
 Du, Y 505  
 Dubey, S **515**  
 Dubey, S 445  
 Duke, A **282**  
 Dunn, C **560**  
 Dunn, J 368  
 Duong, K 480  
 DuPont, T 52  
 Durganna, S **127**  
 Durrani, M 479  
 Duvenjian, C **645**  
 Dyas, A 234  
 D'Assumpcao, C 41  
  
**E**  
 Eaton, J 627  
 Eberhart, C 445  
 ebrahimi, m 593  
 Eck, I **195**  
 Edelstein, C E. **473**  
 Eftekhari, T 430, 481  
 Egense, A 592  
 Eickman, T 148, 317  
 Einstein, A **33**  
 Ektare, S **196**  
 El Diasty, M 401  
 Elgogary, A **610**  
 Elias, A W. 321  
 Elizarde, S **528**  
 El-Khoueiry, A 120  
 Ellis, M R. **283**  
 Ellsworth, T **536**  
 El-Rahi, H **350**  
 Elsissey, J 227  
 Elston, C 278  
 Eltalawy, A 176  
 Eng, D J. **284**  
 Engledow, E R. 546  
 Eppanapally, S 481  
 Eprem, L M. **228**, 243  
 Ervin, M 356  
 Escobedo, H 607  
 Eskandar, T **71**, 187  
 Espaillat Solano, L 581  
 Esparza Del Toro, J 367  
 Espinosa, C 196  
 Espinoza-Derout, J 578  
 Estabrooks, P 536  
 Estorpe, K 136  
 Estrada, D E. 63  
 Estrada, M 592  
 Etemad, L 367

Everett, S 560

## F

Falkenstein, B 603  
Fallahtafti, A 481  
Fanchiang, S 106  
Farkash, E 161  
Farr III, G 18  
Fassl, B 619  
Fatehi, A 391  
Fateri, C 600  
Faubel, S 473  
Faucett, E A. 592  
Fay, A B. **314**, 494  
Fehrenkamp, B 354, 355,  
527, 620  
Fei, Y 234  
Feinstein, J 392  
Feldman, H M. 5, 411,  
412, 413, 580, 582, 585  
Feldman, L 516  
Feldman, T **197**  
Feliz Sala, E 50  
Felton, M 238  
Feng, S 399, 630  
Ferdinandsen, K 365  
Fernandez, B A. **583**  
Fernandez, J **126**  
Fernandez-Sweeny, Y 300  
Ferney, E **353**  
Ferriero, D M. 628  
Fiastro, A 519  
Filmore, B 427  
Finch, A **467**, 472  
Fine, I 632  
Fineberg, A **141**, 142, 483  
Fineman, J 376  
Fish, B 345, 400  
Fitzgerald, L 353  
Flaherty, P W. 37  
Flores, A 505  
Flores, J 589  
Florian, R 356  
Flowers, M 504  
Fockele, C 599  
Fong, M 431

Fontana, D 64, **177**, 393  
Forcier, P 320  
Forrest, C B. 5  
Fortuanto, L 39  
Fortuna, R 258  
Foster, C 55  
Foster, C **258**  
Foster, S 36  
Fox, K 41, 257, 272, 430,  
512, 577, 642  
Fox, K 15  
Frandsen, E 333  
Frankel, R 334  
Fraser, E 391  
Fraulin, F 102, 165  
Frei, A **495**  
French, J 629, 631  
Frey, M 380  
Frezza, E 633  
Fricano, E 190, 259, 263  
Friedman, T 106, 578  
Friesner, I **565**  
Frimer, M 302  
Fruenpreis, A 380  
Fry, A E. **342**  
Fu, C 365  
Fu, V 477  
Fuchs, D T. **149**  
Fuchs, J 176  
Fuchs, S 260  
Fuentes, A 437  
Fujii, T 249, 491, 492  
Fukuda, R 292  
Fuller, C 230  
Fulsher, E M. 320  
Fung, C F. 468  
Fung, E 359  
Fuson, H **561**  
Futran, N 604

## G

Gabriel, A 164, 226  
Gabrielyan, A 35  
Gakhal, G 275, 667  
Galfayan, A 268  
Gallaher, Z 546

Gallegos, S **50**, **198**  
Galsim, K 215  
Gamelin, J 219  
Gandy, T 467  
Ganji, V 418  
Ganshorn, M 239  
Gao, A **199**  
Gao, M **632**  
Gao, W 614  
Garavatti, E 99  
Garcia, M 223, 489  
Garcia-Corella, J F. 272  
Garcia De Oliveira, R 249,  
491, 492  
Garcia-Pacheco, I 642  
Garcia-Pacheco, R 340  
Garrison, A **76**, 501  
Garsa, A 446  
Gaudilliere, B 196  
Gauthier, J 37  
Gay, S **88**, 91  
Gayed, M 659  
Geetaumesh, A 633  
Gefter, L 436  
Geidl, R 353, 354, 355  
Gelb, M 358  
Geohring, I C. 486  
George, L **408**  
Gerges, M 295, 395, 600  
Gerriets, V 293, 428, 540  
Ghahremani, S 461  
Ghayyad, K 573, 673  
Ghazaryan, S 602  
Ghimire, L 390, 568  
Ghiselli, D L. **470**  
Ghoulian, J 225, 474, 475  
Giammanco, P A. 227  
Gibbs, J E. 449  
Gibson, A **646**  
Gibson, E **359**  
Gierbolini Collazo, M C.  
**200**  
Gievers, L 590  
Gill, K 650  
Gillam, A 508  
Gillespie, E F. 95

Gillette, C 305  
Gillette, T 616  
Gillott, L **419**  
Gilmore, E **22**  
Gilvar, G 417  
Gitomer, S 185  
Giusto, E 129, 204, 374, **457**, 618  
Glaittli, K **28**, 464  
Glavis-Bloom, J 594  
Glendrange, K **647**  
Glenn, T 209  
Glevy, C D. 25, 26, **432**  
Glick, S 419  
Go, M 130, 459  
Gobbur, A 97  
Godfrey, E 519  
Goldman, S 11, 15, 255  
Golub, S A. 366  
Gomes, A **452**  
Gonikman, M 150  
Gonzalez, J **522**  
Gonzalez, T **132**  
Gonzalez-Velez, J 358  
Good, M 570  
Good, R 139  
Goodney, P 397  
Goodsell, K 396  
Gooley, T 95, 504  
Goraya, A 659  
Gordon, A 252  
Gordon, T 160  
Gorka, N **47**  
Gosdin, M 181, 372  
Goteti, S 458  
Gowin, J 565  
Goyal, V 633  
Grammens, R 460  
Grannan, B 627  
Grant, L 616  
Gray, B 552  
Gray, K 560  
Gray, M 195  
Grayck, M R. 135  
Grayck, M 382  
Gregory, J **69**, 387

Greiner, R C. 1  
Greis, D **151**, **496**  
Grewal, N 509  
Gribben, V 367  
Griffin, J 54  
Griffiss, J M. 42  
Grigore, E **398**  
Grijalva, A 11, 255  
Grobe, J 555  
Gross, J 158, 200, 460  
Grosvenor, E **62**, 332  
Grover, T 553  
Guardado, M 133  
Gudjonsson, J E. 360  
Guess, M 607  
Gugino, S 618  
Guijon, O 429  
Guillen, R **616**  
Guirgus, M E. **338**  
Gul, S **390**  
Gulley, L D. 63  
Gullo, J 541  
Gunawardana, D K. **285**  
Gunda, R 144  
Gunda, S 20, 21  
Gupta, P 401  
Gupta, S G. 44, 159, 166, 170, 248  
Gurfinkel, D **365**  
Gutierrez, A 373  
Gutierrez Garibay, C 516

## H

Haag, E 570  
Hada, N 544  
Haddad, D 252  
Haeseker, A 349  
Hah, R 247  
Hakobyan, A 303, 539, 543, **602**  
Halgren, M 107  
Hall, J **13**  
Hall, L **386**  
Hall, L 353  
Hall, Z I. **588**  
Hamberlin, N **621**

Hamilton, L D. 368  
Hamilton, M 10, 12, 13, 14, 17, 82, 83, 84, 85, 262, 326, 327, 328, 329, 330, 331  
Hamilton, T 431  
Hammad, I 458  
Hammitt, V L. 374, 457, 618  
Han, C 461  
Han, J 418  
Hanessian, K A. 661  
Hankinson, T 68  
Hannan, K E. 624  
Hansen, C 217  
Happ, H 34  
Haq, A 251  
Harathi, S 176  
Harding, E **553**  
Harding, S 239  
Harimohan, H **609**, **648**, 668  
Harmatz, P 358, 359  
Harris, J S. **229**  
Harris, J 130  
Harris, K 454  
Harrison, M 402  
Harrop, R 102, 165  
Hart, E 54, 344  
Hartley, R 102, 165  
Hartman, L 565  
Hasan, K 578  
Hasan, N 324  
Hasegawa, E 18  
Hashem, E S. 321  
Haslett, J **12**  
Hatai, D 122  
Hawken, S 216, 466  
Hay, W W. 466  
Hayduk, T 277, 640  
Hayes, J 567  
Hayley, Y 600  
Haynes, S C. 210  
he, z 473  
He, J 435  
Hedman, M 185

Heidari, A 45, 324, 325,  
641, 662  
Hellyer, J 157  
Helmke, E 372  
Hendarto, A 59  
Henderson, D 214  
Henderson, W 234  
Hendrixson, T 49  
Heng, A K. **95, 604**  
Henken-Siefken, A 80  
Henry, J 141, **142**, 483  
Henry, R P. **373**  
Herbst, Z 358  
Herdes, R 357  
Hernan, R 57  
Hernandez, M 581  
Hernandez, R 133  
Hernandez, T 302  
Hernandez, T 367  
Hernandez Gutierrez, A Y.  
**31**  
Herrera, Z 506  
Herrera-Venegas, L 371,  
**478**, 523  
Herring, H E. **304**  
Herson, P 142  
Herzeg, A 358  
Heslop, B 136  
Hetzl, M **230**  
Hewitt, L D. 540  
Heyliger, S C. **510**  
Hibner, A **377**  
Hicks, C 397  
Hilal, T 266  
Hill, J A. 37  
Hiller, A 488  
Hinman, J 144  
Hinton, F 349  
Hipple, T 558  
Hirose, S 385  
Hnatko, E A. 508  
Ho, A 66, 289, 440  
Ho, E 111, 600  
Ho, T **438**  
Hobbs, W A. **354, 355**,  
620

Hoburg, J 464, **557**  
Hodgin, J B. 361  
Hoffman, K 210  
Hoffman-Kipp, B 526  
Holbrook, B 38  
Hollander, S 62, 332  
Holler, A 402  
Holmes, M G. 631  
Homer, R O. **360**  
Hongo, A R. **475**  
Hood, O 599  
Hopp, K 473  
Horan, R 411, **412**, 413  
Horii, M 559  
Horn, D L. 1  
Horst, A 217  
Hortareas, J 255  
Houghton, O 222  
Hourany, G **649**  
Houshyar, R 111, 295,  
395, 594, 600  
Howell, S 3, 362, 408  
Howell, W **14**  
Hoytfox, V 610  
Hsiao, H **231, 650**  
Hsu, J 223, 489  
Hsu, R **93**  
Hsueh, C **375, 615**  
Huang, C A. 161, 405  
Huang, E 476  
Huang, J 370, 593  
Huang, J H. **286**  
HUANG, J L. 224  
Huffman, L C. 7, 582  
Hughes, T 252  
Humphries, H 109  
Hunter, B **125**  
Huynh, B 272, 609  
Huynh, B 668  
Hwang, B 406  
Hwang, F 228, 243, 345,  
400  
Hwang, H W. 605  
Hwang, S 51  
Hylton, N M. 449

## I

Iandiorio, M 646  
Ibarra, F 223, 477, 489,  
534, 603, 649  
Ibrahim, A 410  
Idemudia, F 509  
Ilstrup, S J. 458  
In, G 446, 605  
Inga Jaco, E 642  
Ingle, A M. **232**  
Irwin, G 527  
Isaksen, U **465**  
Ishikawa, K 438  
Iyer, A 445

## J

Jackson, S 629  
Jacob, S 314, 318  
Jafarkhani, R 176  
Jain, A 241  
Jain, A 434  
Jamar, K **73**  
James, J E. 195  
James, J R. 566  
Janappareddi, A **29**  
Jani, A 41  
Jano, E 462  
Jansky, S A. 58, 384  
Janusz, J 8, **409**  
Jassal, A 223, 489  
Jauregui, T **143**, 147  
Javidan, Y 495  
Jawadi, S 207  
Jeffko, M **233**, 491, 492,  
**493**  
Jelacic, S 245  
Jeon, H 616  
Jhang, D 225, 244, 246,  
474, 475, 502, 503, 661  
Jhaveri, V **219**  
Ji, J 293  
Jiang, C 436  
Jimenez, S 264  
Jindal, D 517  
Johansen, K 59  
Johng, S 55

Johnson, G 454  
 Johnson, G E. 448  
 Johnson, J 607  
 Johnson, M S. 159  
 Johnson, V **201**  
 Johnston, N 620  
 Joliffe, M 409  
 Jolliffe, M M. **8**  
 Jones, J 306  
 Jones, M 452  
 Jonker, S 381  
 Jordan, B 106  
 Jordan, M 131, 135  
 Jordan, S C. **476**  
 Joshi, M 124  
 Joss-Moore, L 218, 467,  
 469, 472, 625  
 Joy, B 612  
 Joy, S **498**  
 Ju, S P. **305**  
 Juan, A **183**  
 Judkins, A 619  
 Julian, E 9

## K

Kaar, J 420  
 Kachooei, A 573, 673  
 Kaczmark, J 546  
 Kading, J **402**  
 Kadri, H **234**  
 Kafali, S 461  
 Kageyama, R 34  
 Kahlon, J 514  
 Kai, M 120  
 Kaizer, A 482  
 Kalani, A H. **352**  
 Kalha, I 272  
 Kalinichenko, V V. 132  
 Kaloty, P 512  
 Kaloyan, M 602  
 Kalvacherla, V **552**  
 Kamineni, D P. **574**  
 Kandikattu, S **235**  
 Kandola, A **287**  
 Kang, S **10**  
 Kanner, A M. 629

Kanungo, A 10, 12, 13, 14,  
 17, 82, 83, 84, 85, 262,  
 326, **327**, 328, 329, 330,  
 331  
 Kapoor, V 66, 289, 301,  
 307, 440  
 Karakash, W 247  
 Karam, S D. 441  
 Karapetians, A 267  
 Karuturi, M 120  
 Kasa, M **586**  
 Kasinathan, S 7  
 Kasowski, M 56  
 Katcher, A 302  
 Katheria, A 377, 547  
 Katragadda, N 179  
 Kaur, H 513, 653  
 Kaur, P **155, 546**  
 Kawamoto, K 536  
 Kayed, R 149  
 Kazemi-Butterfield, N **382**  
 Kearns, K L. **472**  
 Kearns, K 467, 469  
 Kearsley, K 417  
 Keehan, L **587**  
 Keele, S 355  
 Keenan, M 105  
 Keene, A R. **529**  
 Keller, A **362**  
 Keller, R 92, 376  
 Kelsey, M 63  
 Kenney, R **25**, 26, 432  
 Kerner, J A. 466  
 Keushkerian\*, M J. 24,  
 154, 274  
 Keushkerian\*, R S. **24**,  
 154, 274  
 Keys, T 276, 280, 286,  
 287, 288, 291, 296, 634,  
 637, 639, 665, 672  
 Khalid, D 663  
 Khalid, E 361  
 Khalighi, M 389  
 Khamlong, M **514**, 648  
 Khan, I **504**  
 Khan, M 25, **26**, 432

Khan, M 16  
 Khan, N **428**  
 Khan, R **361**  
 Khan, S 187, **259**  
 Khan, S 495  
 Khan, S 442, 444  
 Khanzada, H 257  
 Kharabaf, S 295, 600  
 Khatkar, G 260  
 Khongphatthanayothin, A  
 593  
 Khun, C **164**, 226  
 Kiang, S C. 397  
 Kibe, R 593  
 Kieran, E 199  
 Kieran, K 371, 415, 478,  
 523  
 Kim, A 590  
 Kim, D D. **345**, 400  
 Kim, E **145**  
 Kim, H **202**, 203, 213  
 Kim, H 202, **203**, 213  
 Kim, J **114**  
 Kim, K K. **431**  
 Kim, M S. 526  
 Kim, R 54  
 Kim, S 115  
 Kim, S 272, 340, 648, **651**  
 Kimata, C 414  
 Kindred, C 218  
 King, C 20  
 Kinman, R 348  
 Kinter, S 451  
 Kipke, M 124  
 Kirby, R **236**  
 Kirk, D G. 70, **315**  
 Kishnani, P 358  
 Klamut, N 365, 570  
 Klein, M 367  
 Klineberg, E 495  
 Knees, M 281  
 Knight, S 252  
 Knoernschild, M 156  
 Ko, H K. 200, 674  
 Kobak, S 148, 317, **611**

Kobashigawa, J 10, 12, 13,  
14, 17, 82, 83, 84, 85, 262,  
326, 327, 328, 329, 330,  
331  
Koessel, C **288**  
Koevary, J W. 11  
Koevary, J W. 15  
Kohandani, S **268**  
Kohlberg, G 500  
Kohn, S **139**  
Kokesh, K C. **499**  
Kokot, N 446  
Kolatkar, A 120  
Kolesnik, M 433  
Kong, P 66, 289, 440  
Konold, V J. 104  
Kontos, G 650  
Kooner, L 260  
Koronyo, Y 149  
Koronyo-Hamaoui, M 149  
Kotlarek, K 451  
Kozak, F 238  
Krakow, D 537  
Kraus, N 127  
Kravets, E 531  
Kricfalusi, M 227  
Krishna, P 237  
Krishnan, A 407  
Krishnan, P **306**  
Kriti, K 407  
Krogulski, A 6  
Kronman, M P. 104  
Krueger, A 379  
Kruglik, C 172  
Kruss, T J. **459**  
Krysa, N 435  
Kuang, W 180, 312  
Kubba, R 258  
Kuhlemeier, A A. 386  
Kuhn, M 101  
Kuhn, P 120  
Kuhn-Riordon, K 192  
Kulyn, C 41  
Kumal, S 66, 289, 440  
Kumar, M **86**  
Kumar, S 476

Kumaran, P 496  
Kuntoria, D **652**, 656  
Kunz, K M. **70**, 315  
Kuran, R 321, 577  
Kushnir, N 505  
Kwan-Wong, T 542  
Kwon, C D. 114  
Kwon, H **322**  
Kwon, R Y. 189  
  
**L**  
Lacroix, J 484  
Laeken, N V. 231  
Lahlou, N 529  
Lai, H 660  
Laidlaw, G 448  
Lakshmanan, A 124  
Lakshminrusimha, S 129,  
204, 219, 374, 457, 618  
Lalehzarian, S 648  
Lalith, R J. 384, **559**  
Lambert-Kerzner, A 234  
Lamichhane, B 619  
Lancaster, J 11, 15  
Lancaster, S 56, 466  
Land, R 548  
Lane, J 365  
Lang, A 641  
Lara, M 341  
Laramore, G 604  
Larsen, M **535**, 589  
Larson, J M. 44, **159**, 170  
Latimer, A J. 156  
Lauff, A 109  
Lavizzari, A 217, 622  
Law, J M. **181**  
Lawrence, K 139  
Lawrence, S 378, **549**, 614  
Lazarus, M 411, 412, 548,  
585  
Le, H 495  
Le, R 521  
Le, S 6  
Lebleu, E 536  
Lebovics, N 613  
Lee, C 282

Lee, D 149  
Lee, E 517  
Lee, G 66, **289**, 440  
Lee, G 583  
Lee, H 377, 463  
Lee, J 6  
Lee, J 258  
Lee, J 361  
Lee, J 27  
Lee, M 10, 12, 13, 14, 17,  
82, 83, 84, 85, 262, 326,  
327, 328, 329, 330, 331  
Lee, M 418  
Lee, R 97  
Lee, S H. **23**  
Lee, S 504  
Lee, V 19, 94, 447  
Lee, W 402  
Leegwater, A J. 219, **383**  
Lee-Jayaram, J 438, 544  
Lefkowitz, E 11, **15**  
Lefort, J E. 401  
Legocki, A 616  
Lehmann, R J. **172**  
Leibel, S L. 551, 571  
Leisenring, W M. 37, 116  
Leker, K **516**  
Leong, C J. **542**  
Leonidas Papalazarou, P  
401  
Leotta, D F. 487  
Lesneski, A 374, 457, 618  
Leung, R 200  
Levaratto, S 625  
Leveille, L 435  
Leveque, J 249, 491, 492  
Leveratto, S 469  
Leversedge, C 281  
Levin, Z **290**, 530  
Lewis, C 135  
Leyngold, I 398  
Li, C 111  
Li, C 143, 147  
Li, J A. **204**, 374, 457, **618**  
Li, J **173**, **237**  
Li, K 97

Li, S 174  
 Li, W 449  
 Li, Y **238**, 250  
 Li, Z 57, 134  
 Lian, A **271**  
 Liang, A 124  
 Liang, E C. 37  
 Lianoglou, B R. 358  
 Liao, J J. 604  
 Liao, V 521  
 Lichtsinn, K 33  
 Liem, C 498  
 Light, B 385  
 Likhitweerawong, N 181  
 Lim, A 446  
 Lim, A M. **152**, **513**, **653**  
 Lim, M J. 374, 457  
 Lin, A **654**  
 Lin, I Y. 580, **582**  
 Lin, K 112  
 Lin, P **58**, 559  
 Lin, S **474**  
 Lindgren, D **291**  
 Lindo, J 285  
 Lipson, T 233, 249, 491,  
 492, 493  
 Liu, C 490  
 Liu, E **655**  
 Liu, J 60, 122, 138  
 Liu, K 292  
 Liu, L 188  
 Liu, L 377  
 Llera Martín, C 190, 259,  
 263  
 Lo, S S. 95  
 Loczi-Storm, A R. 236  
 Longson, N 669  
 Lontoc, J 594  
 Lood, C 29  
 Lopez, D 348  
 Lopez, J E. 277, 640  
 Lopez, J 193, **460**  
 Lopez, V 348  
 Lotfi, N **60**, 122, 138  
 Lou, L 128  
 Louderman, M **3**  
 Louey, S 381  
 Loughton, S 440  
 Louie, C **87**  
 Louie, N **239**  
 Louie, P K. 233, 493  
 Louie, P K. 249, 491, 492  
 Lovvorn, H 402  
 Lowry, K 458  
 Loza, L 607  
 Lu, D 231  
 Lu, G N. 499  
 Lu, L **292**  
 Lucas, A 671  
 Lucas-Thompson, R G. 63  
 Lucero, K 38  
 Luckasen, G 482  
 Ludemann, J 250  
 Lugo Rosado, L 598  
 Luo, I 5, 7  
 Luo, Y 161, 405  
 LUO, T **293**, 540  
 Luong, D 431  
 Lutz, J 54  
 Luu, M 31  
 Luz, D **538**  
 Ly, A T. **178**  
 Lyang, N **425**  
 Lynch, L 359  
 Lyon, E J. **260**  
  
**M**  
 Ma, R 293  
 Ma, V K. 407  
 Mabee, R **619**  
 MacDonald, K 130  
 MacDougall, T M. 301,  
**307**  
 MacKenzie, T 358  
 Mackey, E 63  
 Mackiewicz-Seagate, K 99  
 Macwan, S 513, 653  
 Madden, J 359  
 Madrigal, S L. 60, **122**,  
 138  
 Madsen, H 234  
 Mahmood, A 508  
 Mahoney, A 278  
 Mai, D **97**  
 Major, E 59, 621, 622  
 Malaguit, S E. 333  
 Malave, M 663  
 Malavé-Méndez, T I. 130,  
**133**  
 Malhotra, A 64, 177, **393**  
 Malhotra, K 369  
 Malone Jenkins, S 536  
 Maloney, J 510  
 Maltepe, E 562, 628  
 Manalo, E 652, **656**  
 Mandell, E 139  
 Manickam, S **124**  
 Manla, Y 10, 12, 13, 14,  
 17, 82, 83, 84, 85, 262,  
 326, 327, 328, 329, 330,  
 331  
 Mannering, I 319  
 Manning, A **79**  
 Mantri, S S. **605**  
 Mao, J 397  
 Mao, X 371, **523**  
 Marble, B K. **156**  
 Marchiano, E 604  
 Marchman, V A. 412, 413,  
 585  
 Marcin, J P. 210  
 Maric, I 56, 216, **466**, 471  
 Marino, J **389**  
 Mark, P **424**  
 Markee, S M. 194, 674  
 Marken, C M. **366**  
 Markus, S M. 486  
 Marquez, I 115  
 Marsh, E 365  
 Martin, G 246, 474, 661  
 Martin, M 505  
 Martin, S A. **52**  
 Martinez, G 197  
 Martinez, J 107  
 Martín-Rodríguez, Á **591**  
 Martirosyan, A 35  
 Martonick, N 69, 70, 315,  
 387



Marwaha, S 531  
 Maschek, A 472  
 Massoumi, J **205, 370, 593**  
 Masters, M 570  
 Matacotta, J 373  
 Matalon, D R. 453, 455, 538  
 Mathews, L 606  
 Mathur, B T. **160**  
 Matoba, N 416  
 Matousek, A 155  
 Matson, S 619  
 Matsumoto, M W. 441  
 Matta, S **497**  
 Matulich, M C. 519  
 Mau, C 477  
 Mangel, L 570  
 Maves, L 18  
 Mawlawi, F 518  
 Max, J **328**  
 Maxson, R 74  
 Maxwell, J R. 158, 193, 200, 207, 211, 214, 460, 558  
 Mayar, S 219  
 Maynard, C 156  
 Mayo, J 471  
 Mazdeyasnan, L **534**  
 McCabe, M 89  
 McCague, A 80  
 McCluskey, J **240, 657, 658**  
 McCourt, E 569  
 McCulley, D 57, 134  
 McCully, B 148, 261, 317, 611  
 McDermott, A 9  
 McDonald, D 104  
 McElroy, S 383, 385, 505, 555  
 McEvoy, C 99, **130**  
 McGuire, M **608**  
 McHale, M 59, 136, 621  
 McHill, A 488  
 McLaughlin, S E. **42**  
 McLean, D **241**  
 McMath, K **162**  
 McQuillen, P 48  
 McRae, J 394, 652, 656, 664  
 McVey, T 141, 142, **483**  
 McVicar, R N. **571**  
 Meadows, M 278  
 Medha, T 211  
 Meguid, R 234  
 Mehdi, Z 351  
 Meier, K 632  
 Melameka, M 571  
 Mendez, D 419  
 Mendoza, M 603  
 Meraz, J 594  
 Mercado, C 236  
 Mercer, L E. **138, 215**  
 Merk, J 406  
 Merrill, J 54  
 Messiha, Y 643  
 Mestan, K 58, 559  
 Mestroni, L M. 86  
 Mgdshyan, M 321  
 Michael, B 56  
 Michaelsen, K 245  
 Middleton, A 347, 525  
 Middleton, C **579**  
 Midillioglu, I **484**  
 Miglani, I 223, 489  
 Mike, J 562, **628**  
 Miller, C 424  
 Miller, C 282  
 Miller, N **168, 242**  
 Miller, W S. **117**  
 Milne, N 239  
 Minasyan, A 35  
 Minton, S D. **107**  
 Mirzaei, N 149  
 Mishra, S 41, 254, 321  
 Miyamoto, S 90  
 Miyanji, F 241  
 Mladenov, G D. 394, 652, 656, 664  
 Modi, R 499  
 Moe, A 292  
 Mohamed, E 113, 118, 443, 612  
 Mohammadi, A 251  
 Moise, K 458  
 Molina, J 578  
 Molina, L 425  
 Molina Ochoa, D **99**  
 Molla, B **448**  
 Monroig-Rivera, C 241  
 Monson, M 458  
 Montgomery, S 531  
 Moon, C 124  
 Moon, S 176  
 Moore, J 527  
 Moores, D 652, 656  
 Moosavi, L 339, 430, 480, 514, 648  
 Morales, A 377, 547  
 Morataya, N 146  
 Moreira, A 617  
 Morelli, T M. 379  
 Moreno Diaz, A F. 74  
 Morgan, A C. **580, 582**  
 Morgan, L 576  
 Moriarty, M B. **451**  
 Moriguchi Halasz, L 95  
 Morioka-Douglas, N 436  
 Morris, C A. 336  
 Morrison, J 297, 595  
 Morton, J 109  
 Morton, M **429**  
 Mosley, B 454  
 Mostafizi, P **11, 15**  
 Mouawad, M J. **564**  
 Moukabary, T 11, 255  
 Moukabary, T 255  
 Moulsoff, M **434**  
 Moulton, M 15  
 Mousoian, N **294**  
 Mowry, C 558  
 Muensterer, O 402  
 Muinde, J 442  
 Mujuru, H 216, 466  
 Mulamreddy, T **129**  
 Mulligan, M 406  
 Mulpuri, K 64, 177, 393

Munar, D 358  
Munir, M 16  
Muniraman, H 201  
Munoz, A 41  
Muranyi, A **243**  
Murdande, S **41, 512**  
Murry, T 237, 498  
Murugan, V 391  
Mustelin, C 33  
Mustelin, T 33  
Muttalib, Z 633  
Mwakisimba, F 238, 250  
Myers, E **206**, 370, 593

## N

Nabipur, L **184**  
Nagayama, N **299**, 596  
Naik, M 573  
Najjar, R 476  
Nakajima, L 66, 289, 440  
Nakashima, K **111, 295**  
Namm, J P. 427  
Nangia, D 369  
Narasimhan, A 260  
Nassar, S 520  
Natarajan, E **562**  
Nathan, R 273  
Navarro-Alvarez, N 161, 405  
Navasardyan, I **121**  
Nazarian, D 645  
Nazif, B **105**  
Neilson, L 488  
Nelson, A L. 108, 290, 518, 524, 530  
Nelson, A 300  
Nemani, V 249, 491, 492  
Neul, J 365  
Newar, J 559  
Newens, J 197  
Newfield, R 209  
Newton, P 241  
Ng, S **37**  
Ngo, L 127  
Nguyen, A **16**  
Nguyen, A 75

Nguyen, B 48  
Nguyen, C 474, 475  
Nguyen, D **179**  
Nguyen, D K. 81  
Nguyen, D **441**  
Nguyen, K 494  
Nguyen, K 612  
Nguyen, K 265  
Nguyen, M T. 271, **659**  
Nguyen, M 404  
Nguyen, M H. 497  
Nguyen, M **104**  
Nguyen, T **207**  
Nguyen, T N. **135**  
Niehaus, A D. 587  
Nielsen, B **308**  
Nielsen, S M. 549, **614**  
Nieva, J N. 120  
Niklas, V 59, 136, 621  
Nixon, R S. **261**  
Nizet, V 614  
Nocera, L 120  
Noda, S 55  
Noori, E **521**  
Noori, S 593  
Novick, K 200  
Nowrangi, R 654  
Nozik, E 131, 135  
Nuara, M 172  
Null, D 59, 136, 621  
Numis, A 48  
Nunez, L 354, 355, 527, 620  
Nuwey, M 97  
Nyman, K 416

## O

O'Brien, E 107  
O'Brien, T J. 629  
O'Neil, E **27**  
O'Neil, S H. 526  
Oberg, K 191  
Oberndorf, J K. 152, 513, 653  
Ochs, J 632  
Oh, H **344**

Oh, I 44, **166**, 170  
Ohls, R K. 46, 379, 458  
Ojla, D S. **115**  
Okhunov, Z 225, 244, 246, 502, 503, 661  
Okonta, I 241  
Okrent, A 398  
Okumoto, L **577, 660**  
Olabamiji, S 153  
Olden, A **81**  
Oliinik, M 494  
Olivas-Blanco, J M. 299, **341, 421, 596**  
Oliver, C **109**  
Oliver, S 569  
Olson, J A. 378  
Ondusko, D S. 99  
Ongaigui, K **363**  
Ontiveros Perez, N L. 585  
Oredein, I O. **548**  
Orfila, J E. 141  
Orfila, J 142  
Orogian, A **340**  
Orth, L 392  
Ortins, L 671  
Ortiz, K **220**, 370, 593, 617, **623**  
Ortiz-Alvarez, C 188  
Osioovich, H 199  
Oskouian, B 361  
Oslin, E 9  
Ostroot, C **113**  
Otal, B 651  
Othman, M 346  
Otieno, N 216, 466  
Overfield, I D. 423, 494  
Owens, D **378**  
Oxford, J 460

## P

Pache, K 156  
Pagano, M B. 606  
Painter, C S. 381  
Pak, D J. 104  
Palaganas, H **556**  
Palaniappan, L 20, 21

Palm, S 160  
Palumbos, J 337  
Pan, J 75  
Paniagua, M **356**  
Panjwani, N 604  
Parast, M 559  
Paredes, M 48  
Paredes Gonzalez, K 583  
Parent, S 241  
Pariani, M 182  
Parihar, A 360  
park, C 616  
Park, B 114  
Park, D **82**  
Park, H 344  
Park, H 89  
Park, J 225, **244**, 246, 503, 661  
Park, K 345, 400  
Park, M 642  
Parker, C 376  
Parker, M **624**  
Parry, J 77, 78  
Parry, J A. 73  
Parsons, S 165  
Parthab, O 322  
Parvathaneni, U 604  
Pasca, I 265, 306, 669  
Pasquale, E B. 441  
Pasquali, M 535  
Patel, A **188**  
Patel, A B. **309**  
Patel, D 87  
Patel, P **208**  
Patel, P 626  
Patel, S **75**  
Patel, U 87  
Patel, V 598  
Patil, R 519  
Paul, A 506  
Pauzauskie, S 482  
Paw, M **19**  
Payton, K 215  
Pearce, J 474  
Peel, R 621  
Pellinen, J 433, 629, 631

Peña, B 86  
Peng, A 476  
Penna, E 146  
Percy, A 365  
Perdikis, G 164, 226  
Pereira Beserra, F 607  
Perez, H 60  
Perez, M 444  
Persiani, M 383, 385  
Persinger, S 38  
Perumbeti, A 152  
Peter, E **346**  
Peterfy, M 588  
Petersen, G **423**  
Petersen, G 272  
Peterson, C 547  
Peterson, O B. **101**  
Pettet, M 1, 632  
Peyvandi, S 48  
Pfeaster, C **420**  
Pham, B **57**, 134  
Pham, Q **150**  
Pham, T **6**, 349  
Phamton, B 404  
Phan, J M. **545**  
Phan, R 150  
Phasouk, K 608  
Phibbs, C 47  
Phillipi, M 395, **590**, **594**, 600  
Phillips, D 620  
Phillips, J 423  
Phongpreecha, T 56  
Phonsombat, S 20  
Pickering, T A. 526  
Pierce, M 255  
Pilapitiya, S 21  
Pillers, D 128  
Pilon, R **245**  
Pina, G 174, 388  
Pineda, L S. 89  
Piper, H G. 199  
Pira, C 191  
Pivetti, C 385  
Plutte, T **426**  
Pogue, A **335**

Polizzi, K J. 540  
Pollard, D 109  
Pond, S 337  
Poon, J 418  
Porfilio, T 135  
Porter, S 281  
Porterfield-Finn, B 63  
Posey, J N. 131, 135  
Pour, F 593  
Powell, T 465  
Powers, E 549  
Prager, S 519  
Prince, L 507  
Profit, J 47  
Proia, R L. 361  
Pryana, B 517  
Pua, H 34  
Puglisi, J 428  
Puia-Dumitrescu, M **55**  
Pumerantz, A 22, 434  
Puskoor, V 662  
Pyke-Grimm, K 62, 332  
Pyle, L 63  
Pyrzanowski, J 454

## Q

Quan, R 350  
Quillinan, N 483  
Quinonez, Z 62, 332

## R

Radich, J 504  
Radulescu, A 652, 656, 664  
Radwan, M M. 71  
Rahimi, G **446**  
Rai, S **445**  
Raj, P 595  
Raja, A 281  
Raja, B 613  
Rajeshuni, N **20**, 21  
Rajfer, R 227  
Raj Sapkota, D 66, 301, 307  
Rallabandi, S 367

Ramanathan, R 50, 61, 198, 206, 220, 221, 593, 623  
 Ramirez-Fernandez, G **189**  
 Ramos, J V. **310**  
 Ramos, M 386  
 Ramos, R 419  
 Ramsamooj, A **541**  
 Randall, A T. 69, **387**  
 Randolph, L 528  
 Ransohoff, J I. **524**  
 Rao, S D. 115  
 Rappley, M 180  
 Rau, C 549  
 Ravi, S 182  
 Rawal, K 619  
 Rawal, S 619  
 Ray, M **563**  
 Raygoza, P 118, 443  
 Raymond-Whish, S 465  
 Raymundo, A G. **128**  
 Raymundo, B **469**, 472  
 Raymundo, C **311**  
 Razzaqi, F 310  
 Razzouk, A 258  
 Razzouk, J 494  
 Rebentisch, A 59, 136, 217, 621, **622**  
 Rech, D 109  
 Reddish, J 158  
 Reece, T 146  
 Reed, A **506**  
 Reedy, J 392  
 Reeves, M 114  
 Ref, J 11, 15  
 Rehan, V 122, 138  
 Rehan, V 60  
 Rehman, A 480  
 Reilly, C 435  
 Reisdorph, N 470  
 Reiss, J **56**, 196, 466, 471  
 Renfree, S 252  
 Rentsendorj, A 149  
 Restrepo, B 581  
 Revoredo Vicentino, A 90  
 Reynolds, L 233, 249, **491**, 492, 493  
 Reynolds, R 553  
 Rhea, E 342  
 Rice, C 338  
 Rice, R C. 227  
 Richards, K 225, 244, **246**, 503, **661**  
 Richards, K 297, 299, 369, 595, 596  
 Richardson, S 506  
 Riley, E **374**, 457  
 Rios, M P. **585**  
 Risch, N 532  
 Rivera, D 477  
 Rivera, J 578  
 Rivera-Martinez, J C. 598  
 Rivero, E 200  
 Robbins, J 398  
 Roberto, R F. 495  
 Roberts, D 131  
 Roberts, J 54  
 Robinson, E 149  
 Robinson, J 186  
 Robinson, N 524  
 Roche, A 389  
 Rodriguez, A **316**  
 Rodriguez, B **323**  
 Rodriguez, C 604  
 Rodriguez, D **158**  
 Rodriguez, E **436**  
 Rodriguez, F J. 445  
 Rodriguez, I 96  
 Rodriguez, P 132  
 Rodriguez, R D. 581  
 Rodriguez, T 113  
 Rodriguez-Gil, J L. **507**  
 Rogers, E E. 48  
 Roh, D **397**  
 Roh, K 391  
 Roles, C 174  
 Romero, M 43  
 Rominger, K 210  
 Rong, M 536  
 Rose, A 342  
 Rose, L 209, **463**  
 Ross, J 8, 409, 529  
 Ross, R C. **74**  
 Rothstein, D R. 574  
 Roy, P 97  
 Rozance, P 343, 561  
 Ruby, H P. **500**  
 Ruiz, J D. 21  
 Russell, B R. 537  
 Rusu, D **247**  
 Rutz, A 589  
 Ruzevick, J 500  
 Ryabets-Lienhard, A R. 528  
 Ryan, E P. 352  
  
**S**  
 Saba, J D. 361  
 Saber, B **72**  
 Sabetian, K 514  
 Sabour, R 111, **600**  
 Sabra, S S. **433**  
 Sacotte, K **597**  
 Sadek, M **626**  
 Sadle, C **407**  
 Sagastume, E 99  
 Saha, S K. 216, 466  
 Sahagian, C 111  
 Saifee, N 117  
 Saiki, B **384**  
 Sajti, E 58, 384, 559  
 Sakurai, R 60, 138  
 Salahmand, Y 461  
 Salameh, S 267  
 Salciccioli, A 255  
 Salguero, J 344  
 Salhi, S 169, 171  
 Salib, S 151, 275, 496  
 Salinas, S 485  
 Salm, N E. 148, **317**, 611  
 Salmon, E 410  
 Sam, D 517  
 Samara, H **80**  
 Samdani, A 241  
 Samones, E **439**  
 Sampson, J 531  
 Sanchez, J **209**, **554**

Sanchez Ramirez, T B. 411, 412, **413**  
 Sandhu, J K. 50, 593  
 Sandhu, S **45, 324, 662**  
 Sanjay, S 377  
 Sankaran, D 129, 204, 219, 374, 457, 618  
 Santana, F 505  
 Santana, J **555**  
 Santillan, A 173  
 Santos, S R. **449**  
 Santos, Y **663**  
 Santoso, K M. **54**, 282  
 Saper, M 229  
 Sapkota, D 289, 440  
 Sarang, A **325**  
 Sardesai, S R. 2, 53, 198, 206, 208, 212, 220, 370, 550, 593, 617, 623  
 Sargiotto, C **537**  
 Saria, H 207  
 Saripalli, A **339**, 514  
 Sarkar, M 360  
 Sarkissian, S 24, 154, 274, 294, 303, 539, 543, 602, 644  
 Sarpong, C **44**, 166, **170, 248**, 654  
 Sarsour, R 338  
 Savage, D 558  
 Sawaya, J **664**  
 Sawyer, J K. **78**  
 Sayaseng, K **210**  
 Saylor, T 150  
 Sayre, M 156  
 Scala, M 548  
 Schaeffer, E 64, 177, 393  
 Schaffer, K 463  
 Schalk, D R. 371, **415**, 523  
 Scheepers, F 160  
 Schendel, S 650  
 Schiele, N 403  
 Schilsky, J 302  
 Schmale, G 253  
 Schmitt, M 88, 91  
 Schmittau, K 463  
 Schneider, K 194  
 Schneider, L S. 149  
 Schneiderman, B 227  
 Schuhler, P 567  
 Schultz, J D. 74  
 Schurr, M 607  
 Schwartz, B 418  
 Schwartz, R 425  
 Schymick, J 450  
 Scott, B 626  
 Scott, D 46  
 Scott, D 79  
 Scott, J 188  
 Scott, T 231  
 Sedwick, J **249**, 491, 492, 493  
 Seedorf, G 132  
 Segar, J 555  
 Seideman, C 590  
 Sekhon, S **34**  
 Selamet Tierney, E 182  
 Selenica, M 149  
 Sellers-Porter, C 383, 385  
 Seth, J 238, **250**  
 Sevick, C 454  
 Shabbir, A 311  
 Shabbir, Z 534  
 Shad, J **51**  
 Shafii, T 366  
 Shah, A T. **85**  
 Shah, A **251, 401**  
 Shah, R 626  
 Shah, S **517**  
 Shah, S **369**  
 Shahzad, H 495  
 Shaikh, U **372**  
 Shamloo, S 97  
 Shanaa, J **40**, 541  
 Shankar, P 407  
 Shankar, S P. 407, 592  
 Shanmugam, M **2**, 103, **110**  
 Shanmuganathan, G **262**  
 Shao, X 578  
 Shapiro, A 68  
 Sharib, J 396  
 Shariff, A 616  
 Sharma, A 109  
 Sharma, D 487  
 Sharma, R **272**, 340, **430**, 480  
 Sharma, S 312  
 Sharon, T 650  
 Shattuck, D 386  
 Shaw, G M. 56, 196, 216, 466, 471  
 Shay, R 553, 624  
 Shayota, B 535  
 Sheasley, J 253  
 Sheehan, F 487  
 Shelby, E R. **569**  
 Shen, X 466  
 Shen, Y 160  
 Shenk, E 200  
 Sheperd, Z 356  
 Shepherd, J 617  
 Sherman, K I. **211**  
 Shete, M 641  
 Shev, A **487**  
 Shi, H 149  
 Shibley-Styer, W 426  
 Shieh, J 334  
 Shields, A 444  
 Shih, S 461  
 Shimoda, B 438  
 Shin, B 476  
 Shin, D **427**  
 Shin, E 111  
 Shinde, D **364**  
 Shinohara, M 98, 119, 311, 601  
 Shiraishi, O V. 567  
 Shivananda, S 199  
 Shoji, J 476  
 Shomaker, L 63  
 Shono, Y 22, 434  
 Shrestha, R 635  
 Shu, G 594, 600  
 Shyu, Y 313  
 Siddiqui, S 50, 593  
 Sidi, S 66, 289, **440**  
 Sie, K 499

Sierra-Strum, I E. **61, 221**,  
 370, 593, 617  
 Silva, V **394**  
 Silveira, L 365  
 Simangan, D 153  
 Simental, A 444  
 Simmonds, A 105  
 Simmons, M 621  
 Simon, G 526  
 Simon, S 420  
 Simpson, B K. 433  
 Simpson, C L. 360  
 Singh, Y 593  
 Singleton, V A. 354, **620**  
 Sinha, K **222**  
 Siu, A 414  
 Skarsgard, E 199, 239  
 Skvarca, L 364  
 Slator, M 194  
 Sloan, H 174  
 Small, E A. 423  
 Smart, K **96**  
 Smith, A 607  
 Smith, B 219  
 Smith, C M. 453  
 Smith, E 571  
 Smith, M 236  
 Smith, N L. **212, 462**  
 Smith, S 417  
 Snider, J 30, 36, 179  
 Sniderman King, L 671  
 Snyder, M 56, 466  
 Sobolic, M 552  
 Solar, M **343**, 382  
 Soloniuk, L 306  
 Solorzano-Vargas, R 505  
 Soltani, H **351**  
 Som, A 143, **147**  
 Soman, S **485**  
 Song, T **223**, 489  
 Sooriyakumaran, U 401  
 Sosa, E **418**  
 Sparger, C 364  
 Spector, E 22  
 Sperling, E 236, 501  
 Sperling, M 629  
 Spillers, G 86  
 Spinner, H K. 63  
 Spiteri, E M. 364  
 Sponseller, P 241  
 Spoyalo, K 239  
 Spradley, K 202, 203, **213**  
 Sprengle, N 34  
 Springer, S **337**, 535  
 Spurzem, G **119**  
 Sripathi, P 190, **263**, 346  
 Srivastava, A 256  
 Srivastava, A 346, **518**  
 Srivastava, A 436  
 Srosnider, K 214  
 Stacey, H E. 381  
 Stahmer, A 581  
 Stallworth, J 671  
 Stark, R 55  
 Stauffer, B 90  
 Stelzer, I S. 559  
 Stenzel, J 145  
 Steurer, M 92  
 Stevens, A **665**  
 Stevenson, D K. 56, 216,  
 466, 471  
 Stevenson, D 183, 196,  
 587  
 Stewart, R D. 604  
 Steyer, H H. **180**  
 Stickels, M W. **391**  
 Stinner, D J. 74  
 Stoa, M **296**  
 Stoddard, J 565  
 Stokes, G 57  
 Stonko, D 397  
 Storb, R 504  
 Stothers, B **64**, 177, 393  
 Straccia, A 487  
 Strnad, F **468**  
 Strobel, K M. 49  
 Strode, D 381  
 Stull, W 272, 340  
 Stump, A **252**  
 Su, C 119, 422  
 Subherwal, S 100  
 Sucato, D 241  
 Sucharov, C 90  
 Suen, A 298  
 Suh, L **551**  
 Sujith, J **297**  
 Sukomol, J J. **601**  
 Sullivan, P 617  
 Sultan, E 6  
 Sumandea, F 515  
 Summers, H N. 336  
 sun, k 247  
 Sun, S 594  
 Sun, Y 140  
 Sundararajan, M 399  
 Sunell, M 353  
 Sunkara, S 349  
 Suorsa, K 589  
 Surnedi, R K. **575**  
 Susarla, S 163  
 Swain, D 570  
 Swander, L 48  
 Swanson, M 446  
 Swarat, E 100  
 Sweetland, J 559  
 Swenson, K 3, 4, 65, 347,  
 362, **525**  
 Swift, C **112**  
 Sylvester, K 56, 196  
 Szeto, C 22  
 Szurmant, H 43  
 Szyman, M **666**  
**T**  
 Tabari, A **298**, 301, 307  
 Taber, P 536  
 Tagge, E 394  
 Taha, B **38**  
 Takher, J 308, 479  
 Talaba, N 57  
 Taliercio, V 589  
 Tamrazi, B 462  
 Tan, A 567  
 Tan, L 114  
 Taneza, A **106**  
 Tang, C G. **224**, 572  
 Tang, D 542  
 Tang, K 6

Tang, T T. **89**  
 Tang, W 189  
 Tang, W 384  
 Tanner, B **68**  
 Tanofsky-Kraff, M 63  
 Tarczy-Hornoch, K 616, 632  
 Tarrell, A 137  
 Tartaglia, N T. 4, 8, 529, 584  
 Tartaglia, N 3, 362, 408, 409  
 Tashjian, J **385**  
 Tay, C 205  
 Taylor, J 28, **464**  
 Taylor, M 86  
 Taylor, R M. **318**  
 Taylor, R 38  
 Tedesco, K **103**, 110  
 Tehrani, N S. 275, **667**  
 Terry, B 367  
 Thankam, F G. 75, 87, 187, 256  
 Thiagarajan, S **35**  
 Thiagarajan, S R. **668**  
 Thiel de Bocanegra, H 520  
 Thirumalai, H 2  
 Thomas, D 476  
 Thomas, J 120, 446  
 Thomas, M C. **49**  
 Thompson, K A. 63  
 Thompson, S L. 460  
 Thompson, T G. 3, 8, **63**, 365, **392**, 409, 570, 584  
 Thornton, S 311  
 Thorstad, I 63  
 Thukral, J 513, 653  
 Tian, J Y. **273**  
 Tiemeier, E 141, 142, 483  
 Tierney, M 567  
 Tillou, R 181  
 Timme, K H. 589  
 Timmer, S 181  
 Tirado, C 184  
 Tiwaa, A 360  
 Tobia, A 238  
 Tobita, M 106  
 Todd, E **65**, 347  
 Todorova, V 449  
 Toghani, D **163**  
 Tokhtaeva, E 505  
 Tolouian, A 671  
 Toma, S 111, 295, 600  
 Tomihama, R T. 397  
 Tompkins, C 356  
 Ton, W D. **486**  
 Tong, K 377  
 Tong, S 93  
 Toombs, C R. **396**  
 Torabyan, Z **568**  
 Torgerson, D 130, 133  
 Torr, C 597  
 Torsitano, C **137**  
 Toulabi, S B. 352  
 Tran, A 600  
 Tran, A 517  
 Tran, A 349  
 Tran, C 651  
 Tran, D 299, 596  
 Tran, E **120**  
 Tran, E H. 540  
 Tran, G **84**  
 Tran, K **511**, 515  
 Tran, L **190**, 263  
 Tran, L 41  
 Tran, M D. **83**  
 Tran, N N. **410**  
 Tran, T T. **264**  
 Trang, T 340  
 Travis, K E. 411, 412, 413, 548  
 Tresko, T **630**  
 Tristani-Firouzi, M 536  
 Trowbridge, C 56  
 Trumbo, M 227  
 Truong, H **265**, **669**  
 Truong, M 188  
 Tsai, J **598**  
 Tsai, N J. 293  
 Tsang, H C. 606  
 Tseng, Y D. 95  
 Tsoi, S **92**, **376**  
 Tucker, J D. 115  
 Tulioc, S **30**  
 Tung, C 600  
 Turedi, O **334**  
 Turner, K **98**  
 Turnock, M 298  
 Tweddell, S M. **379**  
 Tye, T **406**  
  
**U**  
 Udoh, I 485  
 Ueda Oshima, M 504  
 Ueoka, A **414**  
 Uhrich, S 671  
 Ujvary, A **67**  
 Umoren, R 195  
 Upasani, S 241  
 Ussef, N 643  
 Uy, C 556  
 Uzunyan, M 593  
  
**V**  
 Vadgama, J 522  
 Vakutin, D 181  
 Valdez, R 374, 457, 618  
 Valencia, R 107  
 Vali, P 374, 457  
 Vanasco, P 458  
 VanBockern, K 281  
 Van Boerum, J **59**, 136, 621, 622  
 Vance, G 76  
 Vance, W **670**  
 Vandermolen, E 552  
 Vander Voort, W 495  
 Van Gelder, R 630  
 van Heerden, A 109  
 Van Patten, M 54  
 Van Putten, D 675  
 Varkey, K S. **165**  
 Vaughn, E 279  
 Veedu, H K. 490  
 Velasco Poblaciones, R **411**, 412, 413  
 Vella, C 353, 354, 355  
 Veloria, S R. **134**

- Vemuri, N 35  
Veneroni, C 622  
Vengoechea, E **671**  
Venketaraman, V 271  
Verhage, T 403  
Verma, R 309  
Verzosa, M Z. **672**  
Vijayan, V 511, 515  
Villegas, E 48  
Villur, H 100  
Vinh, M 633  
Virdi, R **435**  
Viskochil, D 337  
Vo, A 476  
Vo, M **533**  
Voon, F 655  
Vora, P 150  
Vora, S **300**  
Vordos, Z 59, 621, 622  
Votava-Smith, J 410  
Voutsinas, J 116  
Vu, T 236  
Vyas, D 667
- W**  
Wadner, J 70, 315  
Walji, D 251  
Walker, M 76  
Walt, T S. **371**, 523  
**Wan, C** 599  
Wandersleben, L **673**  
Wang, H 554  
Wang, J 247, **592**  
Wang, L 40  
Wang, O **171**  
Wang, X 67, 229, 499  
Wang, X 407  
Wang, Y 60, 122, 138  
Ward, A 536  
Ward, A M. 417, **527**  
Ward, R 59, 136, 621  
Ward, V **216**, 466, 471  
Warden, J H. **21**  
Warolin, J 269  
Watts, K J. 284  
Wedemeyer, Z 245
- Weikel, B 51, 553, 624  
Weiss, K 551  
Weissman, S J. 104  
Wells, R G. **488**  
Werner, J 437  
Wertheimer, F B. 103, 110  
Wesolowski, S 561  
Wheeler, M 531  
Whipple, L **1**  
White, A 343  
White, Y 562  
Whiteside, L 599  
Widiarto, D **367**  
Wieben, M 468  
Wienhold, M 57  
Wieselthier, K 260  
Wigton, E 34  
Wijerathne, T 484  
Wilaisakditipakorn, T J.  
181  
Wilcken, J **214**, **674**  
Wilcox, D 454  
Wilkening, G 68  
Wilkes, E 336  
Willerford, A **519**  
Willging, C 386  
Williams, J 242  
Williams, M 549  
Williams, V 173  
Willson, R E. **253**  
Wilmes, L 449  
Wilson, K 216, 466  
Wilson, M **675**  
Wilson, M L. 103, 110  
Wilson, R 3, 8, 409, **584**  
Winawer, M R. 629  
Windon, C 144  
Winestone, L E. 112  
Wingerson, M K. **566**  
Winslow, J 234  
Winters, A 109  
Winters, M M. **116**  
Wise, A 551  
Witherell, R 323  
Witkin, G 8, 409  
Wittmann, J L. **319**
- Wolfson, H 275  
Won, C 521  
Wong, M **403**  
Wong, M S. 275  
Wong, R J. 196, 216, 466  
Wong, S **544**  
Wong Ramsey, K 414  
Wood, D 454  
Woods, J 334, 586  
Worswick, S 96  
Wray, D T. 218, 467, 469,  
**625**  
Wright, C J. 135, 343, 382  
Wright, J 111  
Wu, H H. **461**  
Wu, P 521  
Wu, T 126, 462  
Wu, Y 29  
Wu, Y 522
- X**  
Xiao, J 114  
Xie, H 37  
Xu, C 100  
Xu, J **578**  
Xu, V 521  
Xu, X 143, 147  
Xu, Y 114
- Y**  
Yamamoto, L 23  
Yamamoto, M 40  
Yamashita, N L. **526**  
Yamauchi, C 442  
Yamauchi, C 444  
Yan, A 556  
Yan, A 145  
Yan, N 514  
Yan, X 341  
Yang, C Q. **146**  
Yang, E **312**  
Yang, J T. 95  
Yang, M 137  
Yang, Y 361  
Yang, Y 231  
Yanick, M 218, 469



Yankee, J D. **320**  
Yano, S 208  
Yatsenko, S A. 364  
Yau, K 282  
Yee, C 313  
Yeh, A M. 617  
Yeh, A 370  
Yeremian, S 539  
Yin, O 100  
Yin, Z 487  
Yip, S A. 260  
Yoder, B 123, 137, 217  
Yoo, K 282  
Yoon, C 6  
Yoon, I 311  
Yoosefi, N **301**, 307  
York, D 123  
Yost, C C. 28, 464, 552,  
557  
Youn, J 174, 345, 400  
Young, A L. **631**  
Young, M 105  
Young, S 358  
Younoszai, M 67  
Youssef, A 62, 332  
Yu, C 60, 122, 138  
Yu, D 40  
Yu, M **191**  
Yuan, M 445  
Yung, H **613**

## **Z**

ZAFAR, M H. **479**  
Zahid, A 516  
Zalmay, N 490  
Zamora, I J. 402  
Zaravinos, A 121  
Zayed, A M. **520**  
Zeng, A 120  
Zeng, D **66**, 289, 440  
Zeng, F 58, 384, 559  
Zenge, J 553  
Zevin, B 251  
Zhang, A 100  
Zhang, J 606  
Zhang, L 614

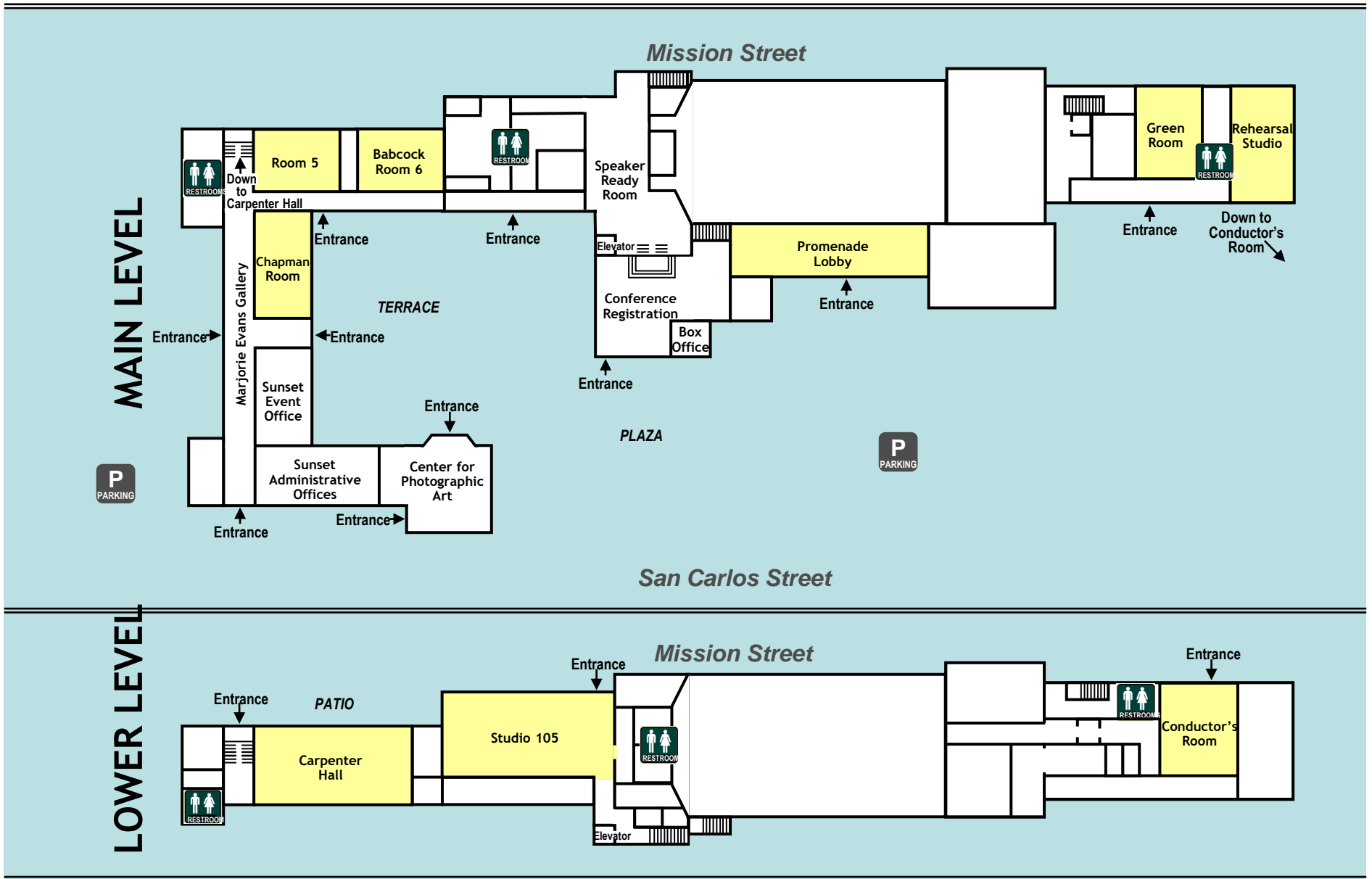
Zhang, N 134  
Zhang, X 476  
Zhang, Y 136  
Zhao, A 100  
Zheng, L 382  
Zhou, M 200  
Zhou, M 485  
Zhu, J 608  
Zhuang, Y 234  
Zierler, R 487  
Zimmerman, J 227  
Zinkhan, E 107  
Zornes, C 549  
Zuleta, A 626  
Zuppann, K 192



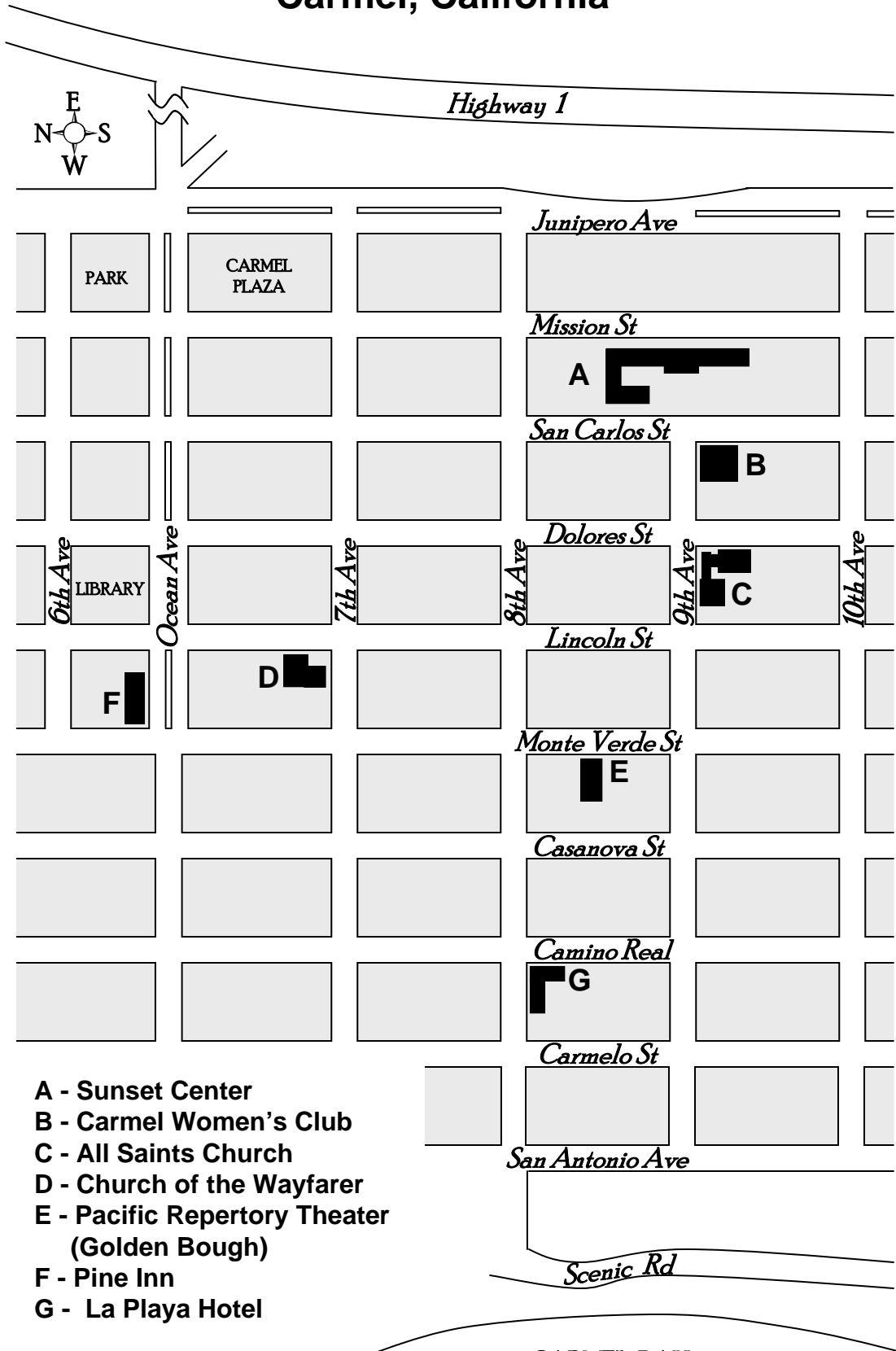
SUNSET  
CENTER

# Site Map

Western Medical Research Conference



# Western Meeting Locations Carmel, California



- A - Sunset Center
- B - Carmel Women's Club
- C - All Saints Church
- D - Church of the Wayfarer
- E - Pacific Repertory Theater  
(Golden Bough)
- F - Pine Inn
- G - La Playa Hotel