2019
Western Medical Research Conference

January 24-26, 2019
Carmel, California

Participating Societies:
Western Section American Federation for Medical Research
Western Society for Clinical Investigation
Western Association of Physicians
Western Society for Pediatric Research
Western Student and Resident Medical Research Forum
California Thoracic Society
### 2019 WESTERN MEDICAL RESEARCH CONFERENCE (WMRC)

**PROGRAM AT-A-GLANCE**  
Carmel, California  
January 24-26, 2019

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY &amp; LOCATION</th>
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<tr>
<td><strong>THURSDAY, JANUARY 24, 2019</strong></td>
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<tr>
<td>8:00 am – 5:00 pm</td>
<td>Registration</td>
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<td><em>Sunset Center – Entry Lobby</em></td>
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<tr>
<td>8:00 am – 5:00 pm</td>
<td>Speaker Ready Room</td>
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<td><em>Sunset Center</em></td>
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<tr>
<td>9:00 am – 11:15 am</td>
<td><strong>WAP/WSCI Plenary</strong></td>
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<td></td>
<td>Edwin E. Osgood Awardee</td>
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<td></td>
<td>Muc5b-overexpression promotes increased ER stress in mouse models of pulmonary fibrosis</td>
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<td>Jacob E. Michalski, <em>University of Colorado School of Medicine</em></td>
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<td></td>
<td><strong>Carmel Research Prize Recipient</strong></td>
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<td>Innovative radioimmunotherapy approaches for acute leukemia</td>
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<td>Johnnie J. Orozco, <em>Fred Hutchinson Cancer Research Center, University of Washington</em></td>
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<td><strong>WSCI Outstanding Investigator Award</strong></td>
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<td>Early Life Programming of Brain Appetite Pathways</td>
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<td>Kathleen A. Page, <em>USC Keck School of Medicine</em></td>
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<td></td>
<td><strong>WAP/WSCI Distinguished Lectureship</strong></td>
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<td>New diagnostics and interventions for life-threatening infections</td>
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<td>Kevin C. Kain, <em>University of Toronto</em></td>
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<td></td>
<td><em>Carmel Women’s Club</em></td>
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<tr>
<td>9:30 am – 12:00 pm</td>
<td><strong>WSPR Council Meeting</strong></td>
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<td></td>
<td><em>Sunset Center – Chapman</em></td>
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<tr>
<td>11:15 am – 11:30 am</td>
<td><strong>WAP/WSCI Business Meeting</strong></td>
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<td><em>Carmel Women’s Club</em></td>
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<tr>
<td>11:15 am – 12:15 pm</td>
<td><strong>Ask the Chiefs</strong></td>
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<td>Panel Discussion with Chief Residents</td>
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<td><em>Bring own lunch – Open to all students</em></td>
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<td><em>Sunset Center – Rehearsal Room</em></td>
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<tr>
<td>11:15 am – 12:15 pm</td>
<td><strong>Investigator Workshops</strong></td>
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<td><em>(Fellows and Jr. Faculty – Additional charge for lunch, $10)</em></td>
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<td><strong>How to publish your work: Tips from a Journal Editor</strong></td>
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<td>Michael J. McPhaul</td>
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<td><em>Editor, Journal of Investigative Medicine &amp; Journal of Investigative Medicine High Impact Case Reports</em></td>
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<td><em>Sunset Center – Green Room</em></td>
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</table>
| 12:45 pm – 3:00 pm | **Concurrent Sessions**  
**Sunset Center**  
Adolescent Medicine and General Pediatrics I – Carpenter Hall  
Cardiovascular I – Promenade Lobby  
Endocrinology and Metabolism I – Carmel Women’s Club  
Health Care Research I – Babcock #6  
Immunology and Rheumatology I – Chapman #4  
Infectious Diseases I – Conductor’s Room  
Neonatology – General I – Studio 105  
Neonatology – Pulmonary I – Rehearsal Room  
Surgery I – Green Room |
| 3:00 pm – 3:15 pm | Break                                           |
| 3:15 pm – 5:45 pm | **Concurrent Sessions**  
**Sunset Center**  
Cardiovascular II – Promenade Lobby  
Community Health I – Carpenter Hall  
Global Health I – Conductor’s Room  
Hematology and Oncology I – Green Room  
Neonatology – General II – Babcock #6  
Neonatology – Pulmonary II – Rehearsal Room  
Neuroscience I – Chapman #4  
Pulmonary and Critical Care I – Studio 105  
Surgery II – Carmel Women’s Club |
| 6:00 pm – 7:30 pm | **Welcome Reception and Poster Session**  
Jointly sponsored by  
WAFMR, WAP, WSCI, WSMRF, and WSPR  
*All welcome and encouraged to attend*  
(Shuttle provided from Sunset Center)  
*Carmel Mission Inn – Carmelo Ballroom*  
3665 Rio Road, Carmel, CA 93923 |
| 7:30 pm – 9:00 pm | **WSPR Abbott Nutrition Reception**  
Open to all WSPR members, trainees, and guests  
*Garden Room, La Playa Hotel* |
| 7:30 pm – 9:00 pm | **WAFMR Business Meeting**  
*(by invitation only)*  
*Forge in the Forest* |

**FRIDAY, JANUARY 25, 2019**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activities</th>
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</table>
| 7:00 am – 8:00 am | **University of Washington Breakfast**  
*All UW faculty, residents and students invited*  
*Carmel Mission Inn* |
| 7:00 am – 8:00 am | **WSMRF Student Representative Breakfast**  
*All students interested in becoming a student rep invited*  
*Carmel Mission Inn* |
| 7:30 am – 5:00 pm | **Registration**  
*Sunset Center – Entry Lobby* |
<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>7:30 am – 5:00 pm</td>
<td>Speaker Ready Room  &lt;br&gt;     <em>Sunset Center</em></td>
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<td>8:00 am – 10:00 am</td>
<td>Concurrent Sessions  &lt;br&gt;    <em>Sunset Center</em></td>
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<tr>
<td></td>
<td>Adolescent Medicine and General Pediatrics II – <em>Studio 105</em></td>
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<td></td>
<td>Cardiovascular III – <em>Promenade Lobby</em></td>
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<td></td>
<td>Case Reports I – <em>Carpenter Hall</em></td>
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<td></td>
<td>Endocrinology and Metabolism II – <em>Carmel Women’s Club</em></td>
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<td></td>
<td>Gastroenterology – <em>Babcock #6</em></td>
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<td></td>
<td>Genetics I – <em>Rehearsal Room</em></td>
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<td>Neonatology – General III – <em>All Saints Church, Seccombe Hall</em></td>
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<td></td>
<td>Neonatology – Perinatal Biology I – <em>Chapman #4</em></td>
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<td>Surgery III – <em>Conductor’s Room</em></td>
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<tr>
<td>10:00 am – 10:15 am</td>
<td>Break</td>
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<tr>
<td>10:15 am – 12:30 pm</td>
<td>Concurrent Sessions  &lt;br&gt;    <em>Sunset Center</em></td>
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<tr>
<td></td>
<td>Behavior and Development I – <em>Chapman #4</em></td>
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<td>Global Health II – <em>Promenade Lobby</em></td>
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<td></td>
<td>Health Care Research II – <em>Babcock #6</em></td>
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<td></td>
<td>Hematology and Oncology II – <em>Carpenter Hall</em></td>
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<td></td>
<td>Infectious Diseases II – <em>Carmel Women’s Club</em></td>
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<td></td>
<td>Morphogenesis and Malformations – <em>Rehearsal Room</em></td>
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<td></td>
<td>Neonatology – General IV – <em>All Saints Church, Seccombe Hall</em></td>
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<td>Nephrology and Hypertension – <em>Green Room</em></td>
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<td>Neuroscience II – <em>Studio 105</em></td>
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<td></td>
<td>Surgery IV – <em>Conductor’s Room</em></td>
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<tr>
<td>12:30 pm – 1:30 pm</td>
<td>Lunch available on-site for nominal charge:  &lt;br&gt;  <em>Sunset Center</em></td>
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<td>Food Truck in Sunset Center Parking lot  &lt;br&gt; Serving Mexican Fare</td>
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<tr>
<td>12:30 pm – 1:30 pm</td>
<td>Advice to students and trainees for navigating a future academic career as a clinician educator  &lt;br&gt;  Everardo Cobos  &lt;br&gt; <em>Kern Medical</em>  &lt;br&gt; Bring own lunch – Open to all students, residents and trainees  &lt;br&gt; <em>Sunset Center – Chapman #4</em></td>
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<td>12:30 pm – 1:30 pm</td>
<td>Investigator Workshop  &lt;br&gt; <em>Sunset Center – Green Room</em></td>
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<td>(Fellows and Jr. Faculty – Additional charge for lunch, $10)</td>
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<td>Leveraging your campus resources for funding and interdisciplinary projects: CTSA’s and beyond  &lt;br&gt;  Ronald J. Sokol  &lt;br&gt; <em>Colorado Clinical and Translational Sciences Institute, University of Colorado School of Medicine, Children's Hospital Colorado</em>  &lt;br&gt; <em>Sunset Center – Green Room</em></td>
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<td>1:00 pm – 1:30 pm</td>
<td>Coffee and Dessert Buffet  &lt;br&gt;     <em>Carmel Women’s Club</em></td>
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| 1:30 pm – 3:30 pm | **Joint Plenary Session**  
**WAFMR, WAP, WSCI, WSMRF, WSPR**  
Mayo Soley Award Presentation  
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  
*Carmel Women’s Club* |
| 3:30 pm – 4:15 pm | **WSPR Business Meeting**  
*Carmel Women’s Club* |
| 5:15 pm – 6:15 pm | **David Rimoin Lectureship**  
*Precision Genome Modification in Biologic Systems*  
Matthew Porteus, *Stanford University*  
*Sunset Center – Carpenter Hall* |
| 6:15 pm – 7:15 pm | **Dysmorphology Club**  
*Supported by Abbott Nutrition*  
*Sunset Center – Carpenter Hall* |
| 5:30 pm – 7:00 pm | **Meet the Mentors – WSMRF Happy Hour**  
Complimentary appetizers  
All faculty, residents and students invited  
*Mulligan Public House*  
*Ocean & Dolores* |
| 6:00 pm – 7:00 pm | **WSPR Mead Johnson Nutrition Junior Faculty Travel Award Reception & Western Perinatal Club Reception**  
*Open to all WSPR, AAP, and CAN Members and Guests*  
*Pacific Room, LaPlaya Hotel* |
| 6:30 pm – 8:30 pm | **WAP/WSCI Council Meeting**  
(by invitation only)  
*Cantinetta Luca - Wine Room*  
*Dolores St. and Ocean Ave.* |
| 7:00 pm – 8:00 pm | **Western Perinatal Club Briefing**  
*Sponsored by the Perinatal Sections of AAP Districts VIII and IX, the CAN, and Mead Johnson Nutrition*  
*Little Airway, Big Problem: Improving Neonatal Intubation Safety*  
Taylor Sawyer, *University of Washington*  
*Pacific Room, LaPlaya Hotel* |
| SATURDAY, JANUARY 26, 2019 | |
| 7:30 am – 12:00 pm | **Speaker Ready Room**  
*Sunset Center* |
| 7:30 am – 10:00 am | **Registration**  
*Sunset Center – Entry Lobby* |
<table>
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<tr>
<td>8:00 am – 10:00 am</td>
<td><strong>Behavior and Development II – Chapman #4</strong></td>
<td><strong>Sunset Center</strong></td>
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<td><strong>Community Health II – Conductor’s Room</strong></td>
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<td><strong>Endocrinology and Metabolism III – Green Room</strong></td>
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<td><strong>General Internal Medicine and Aging – Babcock #6</strong></td>
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<td><strong>Genetics II – Rehearsal Room</strong></td>
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<td><strong>Neonatology – General V – Carpenter Hall</strong></td>
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<td><strong>Neonatology – Perinatal Biology II – Studio 105</strong></td>
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<td><strong>Pulmonary and Critical Care II – Promenade Lobby</strong></td>
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<td>10:00 am – 10:15 am</td>
<td><strong>Break</strong></td>
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<td><strong>Case Reports II – Chapman #4</strong></td>
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<td><strong>Health Care Research III – Babcock #6</strong></td>
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<td><strong>Hematology and Oncology III – Green Room</strong></td>
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<td><strong>Immunology and Rheumatology II – Conductor’s Room</strong></td>
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<td><strong>Neonatology – General VI – Carpenter Hall</strong></td>
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<td><strong>Neonatology – Perinatal Biology III – Rehearsal Room</strong></td>
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<td><strong>Neuroscience III – Studio 105</strong></td>
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<tr>
<td>12:15 pm – 2:00 pm</td>
<td><strong>Society Officers Planning Meeting</strong></td>
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<td><em>(by invitation only)</em></td>
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<td><strong>Sunset Center – Chapman #4</strong></td>
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CME CERTIFICATION

This Live activity, 2019 Western Medical Research Conference, with a beginning date of January 24, 2019, has been reviewed and is acceptable for up to TBA 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)™ 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 Monday, January 28, 2019. If you do not receive your link to the evaluation in your email inbox, please contact us at admin@afmr.org. Original certificates for this conference may be claimed until February 28, 2019. Duplicate certificates are available at any time.

We would also like to thank the following for reviewing the abstracts and to the Lead Reviewer's for organizing the sessions:

Hermelinda Abcede  Cassidy Delaney  W. Conrad Liles  Michael Schivo
Kathleen Angkustsiri Thomas Deloughery Irene Loe Rachel Sebastian
Jorge Artaza Tara DuPont Carlin Long Cassie Shaw
Peter Baker Josephine Enciso Jean Lowe Joseph Shen
Maralyssa Bann Candice Fike Cherry Mammen Joseph Shieh
Jennifer Barton David Gilbert Cynthia McEvoy Amy Staples
Mariana Baserga Donna Goff Heather McKnight Mark Swanson
Arlin Blood Joshua Goldhaber Maureen McMahon Melissa Swee
Sonia Bonifaci Melanie Green Luisa Mestroni Nicole Tartaglia
Fred Buckner Subhas Gupta Philippe Montgrain Monique Vallabhan
Mark Burge Arash Heidari Jorge Nieva David Viskochil
Sarah Burns Hanke Heun-Johnson Kristen Nowak Naveed Wagle
Kara Calkins Sunah Hwang David Piccioni Meghaan Walsh
Stephanie Chassen John Inadomi Lance Prince Margaret Wheeler
Emily Chen Vipul Jain Mary Ramos Christopher Wilson
Samrat Das Catherine Joseph Kalani Raphael Kristin Withers-Wigby
Elizabeth David Lisa Joss-Moore Patrick Romano Clyde Wright
Lukejohn Day Shelley Lawrence Robert Ross Hal Yee
Kevin Deane Juan Lessing Eniko Sajti Erin Zinkhan
PLENARY
WESTERN ASSOCIATION OF PHYSICIANS
WESTERN SOCIETY FOR CLINICAL INVESTIGATION
Thursday, January 24, 2019
9:00 AM – 11:15 AM
Carmel Women’s Club

W. Conrad Liles and Fred Buckner, Presiding

9:00 EDWIN E. OSGOOD AWARDEE
MUC5B-OVEREXPRESSION PROMOTES INCREASED ER STRESS IN MOUSE MODELS OF PULMONARY FIBROSIS.
JE Michalski, AM Estrella, CE Hennessy, IT Stancil, E Dobrinskikh, IV Yang and DA Schwartz, Aurora, CO. University of Colorado School of Medicine

9:15 CARMEL RESEARCH PRIZE RECIPIENT
INNOVATIVE RADIOIMMUNOTHERAPY APPROACHES FOR ACUTE LEUKEMIA.
Johnnie J. Orozco, Fred Hutchinson Cancer Research Center, University of Washington

9:45 WSCI OUTSTANDING INVESTIGATOR AWARDEE
EARLY LIFE PROGRAMMING OF BRAIN APPETITE PATHWAYS.
Kathleen A. Page, USC Keck School of Medicine

10:15 WAP/WSCI DISTINGUISHED LECTURESHP
NEW DIAGNOSTICS AND INTERVENTIONS FOR LIFE-THREATENING INFECTIONS.
Kevin C. Kain, University of Toronto

11:15 ADJOURN

11:30 WAP/WSCI BUSINESS MEETING

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Concurrent Sessions
Thursday, January 24, 2019
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
Western Student Medical Research Forum

Adolescent Medicine and General Pediatrics I .......................................................... Carpenter Hall
Cardiovascular I ........................................................................................................ Promenade Lobby
Endocrinology and Metabolism I ................................................................. Carmel Women’s Club
Health Care Research I ................................................................................ Babcock #6
Immunology and Rheumatology I ................................................................. Chapman #4
Infectious Diseases I ......................................................................................... Conductor’s Room
Neonatology – General I ................................................................................ Studio 105
Neonatology – Pulmonary I ........................................................................... Rehearsal Room
Surgery I ................................................................................................................ Green Room

Adolescent Medicine and General Pediatrics I
Carpenter Hall
Cherry Mammen and Douglas Matsell, Presiding

12:45 AN INTERVENTION TO REDUCE UNNECESSARY CHEST RADIOGRAPHS (CXR) IN RESPIRATORY SYNCYTIAL VIRUS (RSV) BRONCHIOLITIS.
K He, B Afghani, C Aldama and J Pierog, Orange, CA. UC Irvine CHOC Children's Hospital of Orange County (WSPR Abbott Nutrition Outstanding Pediatric Resident Research Award Winner)

Abstract 2

1:00 REPRODUCTIVE HEALTH OF FEMALES WITH CONGENITAL HEALTH DEFECTS.
C Takamatsu, J Andrews and S Klewer, Scottsdale, AZ. University of Arizona College of Medicine - Tucson (WSMRF)

Abstract 3

1:15 COST AND RISK ANALYSIS OF PENCILLIN ALLERGY.
LY Au, A Siu and L Yamamoto, Honolulu, HI. Hawaii Pacific Health (WSPR Mead Johnson Travel Award Winner)

Abstract 4

1:30 RETROSPECTIVE CHART REVIEW OF ADOLESCENT HEMATOLOGY
CLINIC.
KT Mulvaney, A Nelson, C Borzutzky and M Escovedo, Pomona, CA; Los Angeles, CA. Western University (WSPR)

Abstract 5

1:45 RAMAN SPECTROSCOPIC CHARACTERISTICS OF PEDIATRIC NON-HODGKIN LYMPHOMA.
MT Brisco, M Agsalda-Garcia, N Kamada, R Oda, T Shieh, S Choi, E Lim, T Acosta-Maeda, A Misra and B Shiramizu, Honolulu, HI. John A Burns School of Medicine (WSPR Abbott Nutrition Subspecialty Award)

Abstract 6

2:00 IMPLEMENTATION OF HIGH FLOW NASAL CANNULA AND INPATIENT CLINICAL PATHWAY OF ACUTE BRONCHIOLITIS AT COMMUNITY REGIONAL MEDICAL CENTER.
S Ly, A Huang, D Dorn, D McCloudy and T Bunnalai, Fresno, CA. UCSF Fresno

Abstract 7

2:15 ASSOCIATION OF OBSTRUCTIVE SLEEP APNEA (OSA) AND DEPRESSION IN THE PEDIATRIC POPULATION.
S Ly, A Prasad, A Taft, I Nagpal, Q Wu, H Kroll and B Afghani, Irvine, CA; Philadelphia, PA. University of California, Irvine School of Medicine

Abstract 8

2:30 COMPARISON OF 2-DAY DEXAMETHASONE VERSUS 5-DAY PREDNISONE FOR TREATMENT OF PEDIATRIC PATIENTS WITH ACUTE ASTHMA EXACERBATION.
J Hong, A Zhang, J Du, A Chen, A Ranadive, E Kaur, J Lewis and B Afghani, Saint Bonaventure, NY; Irvine, CA; Orange, CA. University of California Irvine

Abstract 9

Break – 3:00-3:15 pm

Cardiovascular I
Promenade Lobby (Sunset Center)
Joshua Goldhaber, Presiding

12:45 THE ROLE OF GLUCOSE AS A PROMOTER FOR CARDIAC REGENERATION.
VM Fajardo, H Nakano, A Shigeta, E Lien, R Tian and A Nakano, Los Angeles, CA; Los Angeles, CA; Seattle, WA. University of California Los Angeles (WAP/WSCI Travel Award Winner) (WSPR)

Abstract 10

1:00 THE ROLE OF THE UNIVERSITY OF COLORADO HUMAN CARDIAC TISSUE BANK (UC-HCTB) IN THE TRANSONICS FOR PRECISION MEDICINE (TOPMED) PROGRAM.
1:15  PREDICTION OF MORTALITY AND HOSPITAL READMISSION FOR HEART FAILURE: A SIMPLIFIED RISK SCORE.
R Sadek and CS Lee, Portland, OR; Chestnut Hill, MA. Oregon Health and Sciences University

1:30  CHARACTERIZATION OF MACROPHAGES DERIVED FROM THE HEMOGENIC ENDOCARDIUM.
MT Tran, A Shigeta, H Nakano and A Nakano, Los Angeles, CA. University of California, Los Angeles (WSPR)

1:45  ADENOVIRUS DETECTION CONFOUNDING INCOMPLETE KAWASAKI DISEASE.
E Jang, R Natarajan, E Burris and M Bar-On, Las Vegas, NV. University of Nevada School of Medicine

2:00  CA REGULATION IN A NOVEL TAMOXIFEN-INDUCIBLE CARDIAC-SPECIFIC SODIUM-CALCIUM EXCHANGE KNOCKOUT MOUSE.
C Grabar, S Lotteau, S Aynaszyan, R Zhang, X Yue, Y Zhang, K Phillipson, M Ottolia and J Goldhaber, Los Angeles, CA; Xi’an, China. Cedars-Sinai Medical Center

2:15  DONOR LEFT VENTRICULAR HYPERTROPHY: DOES DONOR HISTORY OF HYPERTENSION MAKE A DIFFERENCE?
K Nishihara, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

2:30  SHORT AND STOUT DONORS IN HEART TRANSPLANTATION: DO THEY MAKE A DIFFERENCE?
T Tran, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

2:45  A CASE OF INFECTIVE ENDOCARDITIS, POSTPARTUM CARDIOMYOPATHY AND INTRAVENOUS DRUG USE CAUSING HEART FAILURE IN A PREVIOUSLY HEALTHY 26-YEAR-OLD FEMALE.
N Hasan, D Aguirre, F Joolhar, S El-Halees and A Cocoros, Bakersfield, CA. Kern Medical Center
Endocrinology and Metabolism I
Carmel Women's Club
Jorge N. Artaza and Melanie Cree-Green, Presiding

12:45 EXAMINING THE ROLE OF FRUCTOSE INTAKE ON THE EPISODIC MEMORY OF CHILDREN.
LN Overholtzer, H Dorton, S Luo, J Alves and K Page, Los Angeles, CA. University of Southern California

Abstract 19

1:00 ANALYSIS OF INFLAMMATORY SIGNALING IN REPRO-METABOLIC SYNDROME.
AM Tannous, A Bradford and N Santoro, Denver, CO. University of Colorado

Abstract 20

1:15 EXERCISE CAPACITY AND CARDIOMETABOLIC HEALTH IN ADOLESCENT GIRLS WITH TURNER SYNDROME.
W Karakash, KJ Nadeau and S Davis, Chapel Hill, NC; Aurora, CO. University of North Carolina (WSMRF)

Abstract 21

1:30 IMPROVED ADIPOSE BROWNING AND METABOLIC FUNCTIONS IN MUSCLE-SPECIFIC FOLLISTATIN TRANSGENIC MICE MAY RESULT FROM MUSCLE-ADIPOSE CROSS-TALK.
WT Nyah, A Kuo, A Pena, S Pervin and R Singh, Carson, CA; Los Angeles, CA. Charles R. Drew University of Medicine and Science

Abstract 22

1:45 GLUCAGON-LIKE PEPTIDE-1 RESPONSE TO GLUCOSE CHALLENGE IS NOT DIFFERENT IN OBESE ADOLESCENTS WITH PCOS, BUT GIRLS WITH PCOS RESPOND TO ACUTE GLUCAGON-LIKE PEPTIDE-1 AGONIST THERAPY.
K Lutchi, A Carreau, Y Garcia-Reyes, H Rahat, JE Reusch, KJ Nadeau and M Cree-Green, Edinburg, TX; Aurora, CO. UT Rio Grande Valley SOM Children’s Hospital Colorado

Abstract 23

2:00 HEALTH COACHING WITH MONETARY INCENTIVES: FIVE YEAR FOLLOW-UP OF GLYCEMIC CONTROL AND LIPIDS.
LW Raymond, K Pentek, D Roy, S Mullinax, A Yanni and SE Isaacs, Charlotte, NC; Charlotte, ND. University of North Carolina at Chapel Hill Atrium Health (WAFMR)

Abstract 24

2:15 EFFECT OF AN UP-REGULATOR OF NITRIC OXIDE ON THE PREVENTION OF OSTEOPOROSIS IN THE RAT.
M Flores, A Abraham, E Garcia, N Hinojosa, R Rajfer, JN Artaza and M Ferrini, Los Angeles, CA; Loma Linda, CA. Charles R. Drew University (WAFMR/WAP/WSCI Student Subspecialty Award Winner)

Abstract 25

2:30 State-of-the-Art Lecture:
DIABETES, EXERCISE AND THE MICROVASCULATURE.
Jane E. Reusch, University of Colorado Denver

Health Care Research I
Babcock #6 (Sunset Center)
Lesley King, Presiding

12:45 DETERMINING THE ACCEPTABLE OPIOID PRESCRIPTION RATE AMONG EMERGENCY DEPARTMENT PHYSICIANS AND RESIDENTS AT AN ACADEMIC TEACHING HOSPITAL.
S Borno, N Newell and B Chakravarthy, Chino Hills, CA; Huntington, WV; Orange, CA. Western University of Health Sciences College of Osteopathic Medicine of the Pacific

Abstract 26

1:00 EXPLORING THE NICHE OF STUDENT RUN CLINICS IN COMMUNITY CARE.
C Meyer, M Gosdin and PS Romano, Sacramento, CA. University of California Davis

Abstract 27

1:15 IDENTIFYING BARRIERS TO HEALTH CARE FOR THE INDIGENOUS THARU POPULATION IN DANG, NEPAL.

Abstract 28

1:30 STATUS OF MATERNAL CHILD HEALTH IN RURAL NEPAL: A SITUATION ANALYSIS IN HUMLA DISTRICT.
A Chambers, K Bjella, K Vlasic, C Indart, A Sherpa, D Levy, JW Thomas, A Judkins and B Fassl, Salt Lake City, UT. University of Utah

Abstract 29

1:45 IMPROVING HEALTH LITERACY IN A PEDIATRIC INFECTIOUS DISEASE CLINIC.
M Toon and F Levent, Lubbock, TX. Texas Tech Health Sciences Center

Abstract 30
2:00 EVALUATION OF HEALTHCARE OF GENDER-DYSPHORIC VETERANS IN THE VA NORTHERN CALIFORNIA HEALTHCARE SYSTEM (VANCHCS). R Agron, S Gale, M Stassinos, R Tarro-Zylema, B Volpp and A Swislocki, Martinez, CA; Sacramento, CA. VA Northern California Health Care System, UC Davis School of Medicine (WAP)  

Abstract 31

2:15 QUANTIFYING INSTITUTIONAL DIFFERENCES IN PEDIATRIC RENAL SONOGRAPHY TECHNIQUES AND INTERPRETATION. V Richardson, K Kieran, J Whittley and A Taylor, Bozeman, MT; Seattle, WA. University of Washington School of Medicine  

Abstract 32

2:30 FEASIBILITY OF A LOW-COST LOW-FIDELITY TRAINER FOR ULTRASOUND-GUIDED INJECTION AND ASPIRATION. EE Tiu, Z Zhou, T Meyer and M Sardesai, Bellevue, WA. University of Washington  

Abstract 33

2:45 SLEEPWEAR-RELATED INJURIES IN OLDER ADULTS: ESTIMATES FROM THE NATIONAL ELECTRONIC INJURY SURVEILLANCE SYSTEM. NJ Synstelien, A Davis, T Phan, S Salazar, L Brown and ET Reibling, Loma Linda, CA; Elk Grove, CA. Loma Linda University and Children's Hospital  

Abstract 34

Break – 3:00-3:15 pm

Immunology and Rheumatology I  
Chapman #4 (Sunset Center)  
Jennifer Barton and Vaneet Kaur Sandhu, Presiding

12:45 State-of-the-Art Lecture: IMPROVING THE QUALITY OF CARE IN RHEUMATOLOGY - THE POWER OF BIG DATA. Gabriela Schmajuk, University of California, San Francisco  

1:15 AUTOANTIBODY ISOTYPE CHANGES POST RHEUMATOID ARTHRITIS DIAGNOSIS. D Bergstedt, JD Edison, LB Klemenson, T Mikuls, JM Norris, VM Holers and K Deane, Denver, CO; Bethesda, MD; Omaha, NE. Colorado University Anschutz Medical Campus (WAFMR/WAP/WSCI Student Subspecialty Award Winner)  

Abstract 35

1:30 FACTORS INFLUENCING PARTICIPATION IN RHEUMATOID ARTHRITIS PREVENTION. VA Kormendi, C Fleischer, K Deane, M Harrison and S White, Aurora, CO; Vancouver, BC, Canada. University of Colorado  

13
1:45  UTILITY OF A VIRTUAL RHEUMATOLOGY CLINIC FOR COMMUNITY BASED INTERNAL MEDICINE RESIDENCY PROGRAM.
S Kiwalkar, Portland, OR. Oregon Health Science University

2:00  ADDITION OF OBLIQUE RADIOGRAPHS IN THE EVALUATION OF SACROILIITIS.
E Manning, E Anderson, K Maier, H Mena, R Duong and L Caplan, Aurora, CO; Denver, CO. Rocky Mountain Regional Veterans Affairs Medical Center (VAMC) University of Colorado School of Medicine (WSMRF)

2:15  COEXISTENCE OF LIMITED SYSTEMIC SCLEROSIS AND LUPUS ERYTHEMATOSUS TUMIDUS.
CN Logothetis, NS Emil, K Konstantinov, M Reyes and AH Tzamaloukas, Albuquerque, NM. University of New Mexico

2:30  DNASE1L3 RELATED AUTOIMMUNE SYNDROME: A CASE REPORT AND REVIEW OF THE LITERATURE.
J Schymick, D Bonner, M Majcherska, C McCormack, L Fresard, K Smith, S Montgomery, P Fisher, E Ashley, UD N, J Maller, J Hsu, I Balboni, M Wheeler and J Bernstein, Stanford, CA; Bethesda, MD. Stanford University School of Medicine

2:45  INTRAMUSCULAR STIMULATION THERAPY FOR CHRONIC PAIN CONDITIONS: A SYSTEMATIC REVIEW.
MC Keller, S Kim, R Dale, M Brown and H Tick, Seattle, WA; Yakima, WA. Pacific Northwest University of Health Sciences

Break – 3:00-3:15 pm

Infectious Diseases I
Conductor's Room
Fred Buckner and Arash Heidari, Presiding

12:45  HEPATITIS C TREATMENT OUTCOMES AMONG PATIENTS TREATED IN PRIMARY CARE AND ADDICTION TREATMENT SETTINGS.
B Ngo, SL Jackson, JR James and JI Tsui, Seattle, WA. University of Washington School of Medicine (WSMRF)

1:00  PARAPNEUMONIC EMPYEMA IN CRITICALLY ILL CHILDREN.
E Fuchs, K Huynh, K Korgenski, M Schober, K Ampofo, A Hersh and H Crandall, Salt
1:15 STUDIES OF THE ANTIBIOTIC SPECTRUM OF NOVEL METHIONYL-TRNA SYNTHETASE INHIBITORS.
M Dumais, O Faghih, N Molasky and F Buckner, Spokane, WA. University of Washington (WAFMR/WAP/WSCI Student Subspecialty Award Winner)

1:30 STRATEGIES OF GRAM-POSITIVE BACTERIA TO OVERCOME THE ABSENCE OF AN ESSENTIAL SIGNAL TRANSDUCTION PROTEIN.
I Kim, CP Zschiedrich and H Szurmant, Pomona, CA. Western University of Health Sciences (WSMRF)

1:45 LEADING RISK FACTORS FOR DECOLONIZATION FAILURE OF METHICILLIN RESISTANT STAPHYLOCCUS AUREUS (MRSA): A COMPREHENSIVE LITERATURE REVIEW.
K Tang, E Zhang, L Contreras, A Joseph, C Hubbard, M Goetz, E Uh and B Afghani, Berkeley, CA; Irvine, CA. UC Berkeley

2:00 HIV TRANSMITTED DRUG RESISTANCE IN LIMA, PERU.
W Trebelcock, J Lama, A Duerr, H Sanchez, R Cabello, S Reisner, K Mayer and R Bender Ignacio, Seattle, WA; Lima, Peru; Boston, MA. University of Washington (WSMRF)

2:15 SCREENING FOR HUMAN IMMUNODEFICIENCY VIRUS AND HEPATITIS C IN SAN BERNARDINO COUNTY.
JP DeGrauw, W Edwards and D Tankersley, Anaheim, CA; Colton, CA. Western University of Health Sciences

2:30 THE ELIMINATION OF CANCER HEALTH DISPARITIES: ACCELERATION OF HPV VACCINATIONS.

2:45 PERSISTENT METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS BACTEREMIA, SUCCESSFULLY TREATED WITH CEFTAROLINE PLUS DAPTOMYCIN.
N Sheikhan, M Patel, B Andruszko, R Johnson and A Heidari, Bakersfield, CA. Kern Medical

Break – 3:00-3:15 pm
Neonatology General I
Studio 105 (Sunset Center)
Shelley Lawrence and Henry Lee, Presiding

12:45 CLINICAL DETERIORATION DURING NEONATAL TRANSPORT.
V Pai, P Kan and H Lee, Palo Alto, CA. Stanford University (WSPR)  
Abstract 51

1:00 THE EFFECT OF CONCOMITANT PRENATAL MATERNAL MARIJUANA 
USE ON HEALTH OUTCOMES FOR OPIOID EXPOSED NEWBORNS IN 
MASSACHUSETTS, 2002-2010. 
YT Stein, S Hwang, C Liu, H Diop and E Wymore, Aurora, CO; Boston, MA. University of Colorado 
Abstract 52

1:15 CORD BLOOD MAGNESIUM LEVELS AND NON-NEUROLOGIC OUTCOMES 
IN NEONATES LESS THAN 27 WEEKS GESTATIONAL AGE. 
M Yang, MW Varner and B Yoder, Salt Lake City, UT. University of Utah 
Abstract 53

1:30 A CASE SERIES ASSESSING NEONATAL CSF FLOWS IN HYDROCEPHALUS 
VERSUS CONTROL PATIENTS. 
J Kwak, T Wu, S Ponrartana, J McComb, S Bluml and M Borzage, Los Angeles, CA. 
LAC+USC Medical Center 
Abstract 54

1:45 OUTCOMES OF INFANTS SUSCEPTIBLE TO HYPOXIC ISCHEMIC 
ENCEPHALOPATHY WHO DID NOT RECEIVE THERAPEUTIC 
HYPOTHERMIA. 
J Reiss, M Sinha, J Gold, J Bykowski and S Lawrence, San Diego, CA. UC San Diego 
Abstract 55

2:00 ASSOCIATION OF BRONCHOPULMONARY DYSPLASIA AND WHITE 
MATTER INJURY IN PRETERM INFANTS. 
KN Grelli, EE Rogers, D Xu, A Barkovich, RL Keller and D Gano, San Francisco, CA. 
University of California San Francisco 
Abstract 56

2:15 LONG ACTING OPIOIDS AND ANTIEPILEPTIC MEDICATIONS PROLONG 
INPATIENT LENGTH OF STAY AND PHARMACOLOGIC TREATMENT OF 
INFANTS WITH NEONATAL OPIOID WITHDRAWAL SYNDROME (NOWS). 
EE Johnson, T Bardsley, K Schulte, J Seidel, J Shakib, K Buchi and C Fung, Salt Lake 
City, UT. University of Utah 
Abstract 57

2:30 PRETERM INFANTS’ CARDIAC RESPONSE TO MATERNAL VOICE. 
C Gao, HM Feldman and KE Travis, Stanford, CA. Stanford University
Abstract 58

2:45 IMPACT OF REPEAT SIMULATED NEONATAL RESUSCITATION TRAINING ON NRP ALGORITHM ADHERENCE IN A COMMUNITY HOSPITAL.
R Mamidi, T Huynh and W Lapcharoensap, Portland, OR. Oregon Health & Science University

Abstract 59

Break – 3:00-3:15 pm

Neonatology Pulmonary I
Rehearsal Room (Sunset Center)
Cassidy Delaney and Eniko Sajti, Presiding

Abstract 60

12:45 PREVENTION OF PERINATAL NICOTINE-INDUCED BONE MARROW MESENCHYMAL STEM CELL DIFFERENTIATION TO MYOFIBROBLAST: A POSSIBLE APPROACH TO PREVENT CHRONIC LUNG DISEASE.
S Shah, E Munoz, J Liu, R Sakurai, Y Wang, J Liu and V Rehan, Torrance, CA. LA Biomed Research Institute at Harbor-UCLA Medical Center

Abstract 61

1:00 CELLULAR RESPONSES TO HYPEROXIA IN THE DEVELOPING LUNG.
A Meixel, L Prince, C Glass and E Sajti, San Diego, CA. University of California San Diego Rady Children's Hospital (WSPR Abbott Nutrition Subspecialty Award)

Abstract 62

1:15 HUMAN PRETERM UMBILICAL CORD MESENCHYMAL STEM CELLS FOR NEONATAL CHRONIC LUNG DISEASE.
JY Bisquera-Cacpal, O Almatrafi, F Bany-Mohammed, C Uy, R Mohammadi, W Zhao and M Aslam, Long Beach, CA; Irvine, CA. University of California-Irvine

Abstract 63

1:30 L-CITRULLINE INDUCES ARGINASE EXPRESSION AND ACTIVITY IN HYPOXIC PIGLET PULMONARY ARTERIAL ENDOTHELIAL CELLS (PAEC).
M Douglass, Y Zhang, M Kaplowitz and C Fike, Salt Lake City, UT. University of Utah

Abstract 64

1:45 Mallinckrodt Neonatology Pulmonary State-of-The-Art Lecture:
BEYOND “OXIDATIVE STRESS”: NEW INSIGHTS INTO THE REGULATION OF REDOX SENSITIVE SIGNALING BY EXTRACELLULAR SUPEROXIDE DISMUTASE IN PULMONARY VASCULAR DISEASE.
Eva Nozik-Grayck, University of Colorado

Abstract 65

2:15 DURATION OF MECHANICAL VENTILATION EARLY IN LIFE ALTERS LUNG MECHANICS AND ALVEOLAR STRUCTURE LATER IN LIFE.
M Dahl, C Veneroni, A Lavizzari, A Rebentisch, E Dawson, O Johnson, Z Wang, J Pillow, D Null, B Yoder, R Dellaca and K Albertine, Salt Lake City, UT; Milan, Italy;
Perth, Australia; Davis, CA. University of Utah (WSPR)

Abstract 64

2:30 COMPARISON OF NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE WITH LOW FLOW OXYGEN VERSUS HEATED, HUMIDIFIED HIGH FLOW NASAL CANNULA FOR ORAL FEEDING OF THE PREMATURE INFANT (CHOMP TRIAL): A PILOT STUDY.
SL Leibel, M Castro, T McBride, K Sarmiento, K Hassal and V Shah, Solana Beach, CA; Toronto, Canada. University of California San Diego

Abstract 65

2:45 BALANCE BETWEEN PROLIFERATION AND APOPTOSIS OF INTERSTITIAL CELLS REMAINS CONSTANT IN THE LUNG OF FORMER PRETERM LAMBS, REGARDLESS OF THE MODE OF RESPIRATORY SUPPORT AFTER PRETERM BIRTH OF PRETERM LAMBS.
B Cutler, A Rebentisch, Z Wang, E Dawson, M Dahl, B Yoder, D Null and K Albertine, Salt Lake City, UT; Davis, UT. University of Utah (WSMRF)

Break – 3:00-3:15 pm

Surgery I
Green Room (Sunset Center)
Subhas Gupta, Presiding

Abstract 66

12:45 USE OF THE NOVEL SURPAS TOOL TO ASSIST INFORMED CONSENT IMPROVES PATIENT SATISFACTION AND SURGEON EFFICIENCY.
B Wiesen, MR Bronsert, D Aasen, AB Singh, A Lambert-Kerzner, WG Henderson, K Hammermeister and R Meguid, Denver, CO. University of Colorado School of Medicine

1:00 NOVEL STRATEGIES TO COMBAT SURGICAL SITE INFECTION USING MICRONUTRIENTS.
EY Choi, DD Gordon, CP De Guzman, R Newhall, G Harding and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine

1:15 DAILY POSTOPERATIVE SILDENAFIL DECREASES INFECTION IN A MOUSE MODEL OF PERIPROSTHETIC JOINT INFECTION.
B Zukotynski, G Blumstein, Z Burke, KR Hori, J Caballero, S Uweh, N Cevallos, N Truong and N Bernthal, Manhattan Beach, CA. University of California Los Angeles

1:30 THE EFFECT OF ANNUAL SURGEON VOLUME OF TOTAL KNEE ARTHROPLASTY ON PATIENT REPORTED OUTCOMES.
M Gulbrandsen and K Schmidt, Mesa, AZ; Phoenix, AZ. University of Arizona College of Medicine - Phoenix
1:45 OUTCOMES USING THE SUPRACLAVICULAR ARTERY ISLAND FLAP IN MUCOSAL VERSUS CUTANEOUS HEAD AND NECK RECONSTRUCTION. JD West, JH Kim, Z Zhang and NC Kokot, Los Angeles, CA. Keck School of Medicine, University of Southern California (WSMRF)  

2:00 NOVEL PAN FIBER FOR TREATMENT OF MACULAR DEGENERATION SHOWS EFFICACY AND BIOCOMPATIBILITY IN EYE. A Strong, J Morgenstern and J Olson, Denver, CO. Colorado University School of Medicine  

2:15 ASSESSING THE STERILITY OF HOLLOW BORE INSTRUMENTS USED IN PLASTIC SURGERY. CB Croughan, M Hill, S Gupta, S Gupta and R Newhall, Loma Linda, CA. Loma Linda University  

2:30 DOES REPETITIVE TORQUE RESULT IN MORPHOLOGICAL CHANGES OF THE LATERAL ELBOW OF THE SKELETALLY IMMATURE BASEBALL PLAYER? A PROSPECTIVE MRI STUDY. WE Harkin, A Pennock, T Bastron and E Edmonds, La Jolla, CA; San Diego, CA. University of California, San Diego Rady Children's Hospital  

2:45 OUTCOMES OF ROBOTIC RADICAL PROSTATECTOMY IN PATIENTS WITH RENAL FAILURE AND SUBSEQUENT RENAL TRANSPLANTATION. H You, W Le, AS Amasyali, M Alsyouf, P Stokes, M Hajiha and D Baldwin, Loma Linda, CA. Loma Linda University (WSMRF)  

Break – 3:00-3:15 pm
CONCURRENT SESSIONS

Thursday, January 24, 2019
3:15 PM – 5:45 PM

Jointly sponsored by

WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH
WESTERN SOCIETY FOR CLINICAL INVESTIGATION
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WESTERN SOCIETY FOR PEDIATRIC RESEARCH
WESTERN STUDENT MEDICAL RESEARCH FORUM

Cardiovascular II ...........................................................................................................Promenade Lobby
Community Health I ..........................................................................................................Carpenter Hall
Global Health I ..................................................................................................................Conductor’s Room
Hematology and Oncology I ..............................................................................................Green Room
Neonatology – General II ..................................................................................................Babcock Room #6
Neonatology – Pulmonary II ...............................................................................................Rehearsal Room
Neuroscience I ..................................................................................................................Chapman #4
Pulmonary and Critical Care I ..........................................................................................Studio 105
Surgery II ............................................................................................................................Carmel Women’s Club

Cardiovascular II
Promenade Lobby (Sunset Center)
Carlin Long, Presiding

3:15  SURGICAL REPAIR OF EBSTEIN'S ANOMALY.

  T Rosenblatt, R Mainwaring, GK Lui, M Ma and F Hanley, Stanford, CA. Stanford University School of Medicine (WSMRF)

Abstract 76

3:30  VASCULAR HEALTH OF CHILDREN CONCEIVED VIA IN VITRO FERTILIZATION.

  WY Zhang, E Selamet Tierney, A Chen, R Fleischmann and V Baker, Los Altos Hills, CA. Stanford University School of Medicine

Abstract 77

3:45  PROTECTION FROM HEART DISEASE IN PEOPLE WITH DOWN SYNDROME IS UNLIKELY THE RESULT OF CHANGES IN THE ATHEROSClerotic PATHWAY.

  AT Pham, A Rachubinski, K Sullivan and J Espinosa, Aurora, CO. University of Colorado School of Medicine Linda Crnic Institute for Down Syndrome

Abstract 78

4:00  HYPOTHYROIDISM, SEX AND AGE PREDICT FUTURE THROMBOEMBOLIC EVENTS AMONG YOUNG PEOPLE.
4:15 DOES ANTI-THYMOCYTE GLOBULIN INDUCTION TRULY LEAD TO INCREASED CYTOMEGALOVIRUS INFECTION AFTER HEART TRANSPLANTATION IN THE CURRENT ERA?
S Mersola, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 80

4:30 MANY LOW RISK WOMEN AND MEN EVALUATED IN A CHEST PAIN UNIT CAN BE SAFELY AND RAPIDLY DISCHARGED WITHOUT PRE-DISCHARGE CARDIAC TESTING.
P Prasad, S Howell, N Sree and E Amsterdam, Sacramento, CA; Portland, OR.
University of California, Davis
Abstract 81

4:45 THE EVOLVING LONG-TERM OUTCOME OF HEART TRANSPLANTATION IN AMYLOID PATIENTS.
A Jain, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 82

5:00 ELECTIVE LEFT PULMONARY ARTERY EMBOLIZATION FOR PULMONARY ARTERIOVENOUS MALFORMATIONS SECONDARY TO CAVOPULMONARY ANASTOMOSES NOT RESPONSIVE TO HEART TRANSPLANTATION.
C Bebawy, BM Gordon and MJ Bock, Loma Linda, CA. Loma Linda University School of Medicine
Abstract 83

5:15 SURGICAL ABLATION OF REFRACTORY VENTRICULAR ARRHYTHMIAS GUIDED BY ELECTROPHYSIOLOGIC AND ELECTROANATOMIC MAPPING.
MJ Kunkel, P Sauer, A Tumolo, MM Zipse, A Sandhu, C Tompkins, DT Nguyen and WS Tzou, Aurora, CO. University of Colorado School of Medicine
Abstract 84

5:30 EARLY DETECTION OF ATRIAL FIBRILLATION-ATRIAL FLUTTER USING REMOTE PATIENT MONITORING.
S Joung, I van den Broek, M Lopez, S Dhawan, KN Mouapi, M Mastali, Q Fu, J Van Eyk, B Spiegel, N Bairey Merz and C Shufelt, Los Angeles, CA. Cedars-Sinai Smidt Heart Institute
Abstract 85
Welcome Reception and Poster Session
Jointly sponsored by
WAFMR, WAP, WSCI, WSMRF, and WSPR
All welcome and encouraged to attend
(Shuttle provided from Sunset Center)
Carmel Mission Inn – Carmelo Ballroom
3665 Rio Road, Carmel, CA 93923

WSPR Abbott Nutrition Reception
Open to all WSPR members, trainees, and guests
Garden Room, La Playa Hotel

Community Health I
Carpenter Hall
Katie Martin, Presiding

3:15  ENDO ECHO REDUCES HEALTH DISPARITIES BY BRIDGING GEOGRAPHICAL BARRIERS FOR PATIENTS WITH COMPLEX DIABETES AND OTHER ENDOCRINE CONDITIONS IN MEDICALLY UNDERSERVED AREAS.
R Thapa, J Kirk, C Chavez, N Troyer and M Bouchonville, Albuquerque, NM. University of New Mexico

3:30  WILL MY FOOD RUN OUT? FACTORS THAT INFLUENCE LATINOS PARTICIPATION IN POSITIVE LIFESTYLE BEHAVIORS.
B Funmilola, M Lara, M Celestin, S Montgomery and C Clarke, Loma Linda, CA. Loma Linda University (WAP/WSCI Travel Award Winner)

S Phillips, Spokane, WA. University of Washington School of Medicine

4:00  KEEP OUR KIDS AT PLAY, LOCK YOUR GUNS AWAY: A COMMUNITY-BASED APPROACH TO INCREASE SAFE STORAGE OF FIREARMS WITHIN FAMILY HOMES OF RURAL WYOMING.
SM Pecha, Seattle, WA. University of Washington School of Medicine (WSMRF)

4:15  CHILDHOOD OBESITY: PARENTAL EDUCATION LEVEL AS A PREDICTOR OF SODA INTAKE.
YD Lozano, J Sawada, E Williams, A Carnduff, S Harris, C Irani, E Medina and M Baum, Loma Linda, CA. Loma Linda University School of Medicine
4:30  DROWNING PREVENTION: A COMMUNITY APPROACH TO WATER SAFETY.
  \textit{EA Cooper, Spokane, WA. University of Washington}

Abstract 91

4:45  EFFECT OF MARIJUANA LEGALIZATION ON THE NUMBER OF MARIJUANA-RELATED SUSPENSIONS IN A RURAL OREGON HIGH SCHOOL.
  \textit{HR Cannon, B Winfield, RB Cannon, C Cloward, A Sainz, JH Nelson, CD Hadley, AJ Ziemann and E Guenther, Lebanon, OR. Western University of Health Sciences}

5:00  DEVELOPING THE TOBACCOcessATION CAPACITY FOR THE HOMELESS IN KODIAK, ALASKA.
  \textit{M Jurasek, Anchorage, AK. University of Washington School of Medicine}

5:15  COMMITMENT TO UNDERSERVED PEOPLE CLINICS: AN INTEGRATED STUDENT-RUN FREE CLINIC SYSTEM SERVING SOUTHERN ARIZONA.
  \textit{R Rahimian, J Dobrick, J Akazawa, J Filon and N Bejany, Tucson, AZ. University of Arizona (WSMRF)}

5:30  BICYCLE ROUNDUP: INCREASING BICYCLE SAFETY AWARENESS IN GLASGOW, MONTANA.
  \textit{A Kurtz, Glendive, MT. University of Washington}

| 6:00 pm – 7:30 pm | Welcome Reception and Poster Session 
  \textit{Jointly sponsored by WAFMR, WAP, WSCI, WSMRF, and WSPR} 
  \textit{All welcome and encouraged to attend} 
  \textit{(Shuttle provided from Sunset Center)} 
  \textit{Carmel Mission Inn – Carmelo Ballroom} 
  \textit{3665 Rio Road, Carmel, CA 93923} |
| 7:30 pm – 9:00 pm | WSPR Abbott Nutrition Reception 
  \textit{Open to all WSPR members, trainees, and guests} 
  \textit{Garden Room, La Playa Hotel} |
Global Health I  
Conductor's Room  
Serena Johnson, Presiding

3:15 using video to improve diabetes education and insulin self care in nepal.  
*J Schmidt*, Seattle, WA. *University of Washington School of Medicine*  
Abstract 96

3:30 community-based innovations in maternal health aimed to reduce maternal and neonatal mortality in south east asia.  
*R Shankar* and A Hunter, Vancouver, BC, Canada; Hamilton, Canada. *University of British Columbia*  
Abstract 97

3:45 integration of pediatric residents into at-risk urban youth classrooms to address obesity, bullying, and sex education in impoverished communities.  
*E Gastelum*, J Alifano, M Cai, C Clark, K King, A Nath, D Nguyen, A Panesar, J Persch, D Yi, D Scambray and R Kinman, Fresno, CA. *UCSF Fresno*  
Abstract 98

4:00 driving sustainable behavioral change: a participatory design approach improves oral health behaviors in an isolated himalayan community.  
*G Blank*, KR Suri and V Kapoor, Vancouver, BC, Canada. *University of British Columbia*  
*(WAFMR/WAP/WSCI Student Subspecialty Award Winner)*  
Abstract 99

4:15 sun exposure, sun protective behavior, and skin cancer prevention education in the vietnamese community.  
*C Vu*, D Moon, S Higgins and A Wysong, Los Angeles, CA; Omaha, NE. *Keck School of Medicine of USC (WSMRF)*  
Abstract 100

4:30 evaluation of a sickle cell disease education workshop for mothers in the indigenous tharu population of nepal.  
Abstract 101

4:45 antenatal care practices and delivery support in a rural district of nepal.  
*JW Thomas*, A Judkins, D Levy, A Sherpa and B Fassl, Salt Lake City, UT. *University of Utah (WSPR)*  
Abstract 102
5:00  RAPID BASELINE ASSESSMENT SURVEY OF ANTENATAL CARE IN RURAL INDIA.
_A. Judkins, T Hohnholt, B Tasevac, JW Thomas and B Fassl_, Salt Lake City, UT. 
_University of Utah (WSPR)_

Abstract 103

5:15  COMPARING THE LONG TERM FEASIBILITY OF REUSABLE MENSTRUAL HYGIENE MANAGEMENT STRATEGIES IN A POPULATION OF ADOLESCENT FEMALES IN A REMOTE HIMALAYAN COMMUNITY.
_K Nabata and F Clayton_, Vancouver, BC, Canada. _University of British Columbia_

Abstract 104

5:30  IMPROVING KNOWLEDGE OF HYPERTENSION THROUGH A BROCHURE AND POSTER CAMPAIGN IN NAIVASHA, KENYA.
_H Molvik_, Spokane, WA. _University of Washington School of Medicine_

Abstract 105

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<th>7:30 pm – 9:00 pm</th>
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Hematology and Oncology I
Green Room (Sunset Center)
_Thomas Deloughery, Presiding_

3:15  LONG TERM FOLLOW-UP OF A LARGE PATIENT POPULATION WITH STAGE 2 AND 3 ESOPHAGEAL CANCER.
_D. Christensen, AK Paulsson, BS Third, T Miller and S Patel_, Seattle, WA; San Francisco, CA. _University of Washington School of Medicine_

Abstract 106

3:30  PREDICTORS OF ADHERENCE TO LUNG CANCER SCREENING IN A MULTI-CENTER REFERRAL PROGRAM.
_JH. Thayer, K Crothers, EK Kross, AM Cole and M Triplette_, Seattle, WA. _University of Washington_

Abstract 107

3:45  TARGETING PPM1D IN ER+ BREAST CANCER WITH NOVEL ANTICANCER COMPOUND LCW20.
4:00 QUALITY INITIATIVE IN CLINICAL PRACTICE: A SINGLE INSTITUTION APPRAISAL OF QUALITY METRICS IN THE MANAGEMENT OF NEWLY DIAGNOSED DIFFUSE LARGE B-CELL LYMPHOMA BASED ON THE AMERICAN SOCIETY OF HEMATOLOGY PRACTICE IMPROVEMENT MODULE.
AM Bischin, P Vishnu, D Aboulafia, K Knopf and R Chen, Spokane, WA; Seattle, WA; Jacksonville, FL; San Francisco, CA. University of Washington

4:15 CYTOKINE PROFILING FOR THE DIFFERENTIATION OF MULTIPLE MYELOMA FROM PATIENTS WITH MONOCLONAL GAMMOPATHY WITH UNKNOWN SIGNIFICANCE.
TB Martins, R Craig, D Atanackovic and HR Hill, Salt Lake City, UT. ARUP Institute University of Utah School of Medicine

4:30 THE ASSESSMENT OF THERAPEUTIC AUTOPHAGY INHIBITION IN NF1 MUTATED TUMORS.
E Baird-Daniel, S Zahedi, RL Williams, KB Williams, A Morin, M Desmarais, R Vibhakar, D L and J ML, Denver, CO; Minneapolis, MN. University of Minnesota

4:45 ASSESSING THE QUALITY OF ONLINE INFORMATION FOR CERVICAL CANCER PATIENTS.
JDawson and P Ingledew, Vancouver, BC, Canada. University of British Columbia

5:00 ADENOVIRUS HEPATITIS AS THE INITIAL PRESENTATION OF ACUTE LYMPHOBLASTIC LEUKEMIA.
J Lim, R Natarajan and J Quinlan, Las Vegas, NV. University of Nevada School of Medicine

5:15 LEPTOMENINGEAL CARCINOMATOSIS FROM CARCINOMA OF UNKNOWN PRIMARY.
L Moosavi, C D'Assumpcao, J Bowen, A Heidari and E Cobos, Bakersfield, CA. Kern Medical Center - UCLA

6:00 pm – 7:30 pm Welcome Reception and Poster Session
Jointly sponsored by WAFMR, WAP, WSCI, WSMRF, and WSPR
Neonatlogy General II
Babcock #6 (Sunset Center)
Kara L. Calkins and Carlos Ramos, Presiding

3:15 ERYTHROCYTE-COATED NANOPARTICLES REDUCE CYTOTOXIC EFFECTS OF GROUP B STREPTOCOCCUS (GBS) BETA-HEMOLYSIN/CYTOLYSIN (B-H/C).
J Koo, S Lawrence and V Nizet, La Jolla, CA; San Diego, CA. UC San Diego Rady Children's Hospital (WSPR Mead Johnson Travel Award Winner)

Abstract 115

3:30 IN VITRO INHIBITORY POTENCY OF ZINC PROTOPORPHRYIN MICROSPHERES ON HEME OXYGENASE ISOZYME ACTIVITY.
D Jacobsen, S Iwatani, Z Onderdonk, RT Wong, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine (WSPR Abbott Nutrition Subspecialty Award)

Abstract 116

3:45 A NOVEL POINT-OF-CARE DEVICE FOR MEASURING GLUCOSE-6-PHOSPHATE DEHYDROGENASE ENZYME DEFICIENCY.
C Montiel, M Kunda, DK Stevenson, RJ Wong and VK Bhutani, Stanford, CA. Stanford University School of Medicine

Abstract 117

4:00 University of Southern California Joan E. Hodgman State-of-the-Art Lecture: BACTERIA BUILDING BABIES: IT TAKES A COMMUNITY.
Grace Aldrovandi, UCLA Mattel Children’s Hospital, David Geffen School of Medicine of the University of California, Los Angeles

4:30 BILIRUBIN PRODUCTION IS INCREASED IN NEWBORN MICE TREATED WITH LIPOPOLYSACCHARIDE.
S Iwatani, D Jacobsen, RT Wong, Z Onderdonk, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine

Abstract 118

4:45 INCREASED RATE OF CHORIOAMNIONITIS AMONG PREGNANT IMMIGRANT WOMEN LIVING IN UTAH.
JW Thomas and A Judkins, Salt Lake City, UT. University of Utah (WSPR)
RETICULOCYTE HEMOGLOBIN AND FERRITIN AS MARKERS OF IRON DEFICIENCY IN THE NEONATE.
R Kiser, A Yaroslaski, R Leung, RK Ohls and T Zamora, Bernalillo, NM. University of New Mexico

Welcome Reception and Poster Session
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All welcome and encouraged to attend
(Shuttle provided from Sunset Center)
Carmel Mission Inn – Carmelo Ballroom
3665 Rio Road, Carmel, CA 93923

WSPR Abbott Nutrition Reception
Open to all WSPR members, trainees, and guests
Garden Room, La Playa Hotel

MASK RESUSCITATION AND CONTINUING NON-INVASIVE RESPIRATORY SUPPORT LEADS TO BETTER ALVEOLAR FORMATION COMPARED TO MECHANICAL VENTILATION (MV) RESUSCITATION AND CONTINUING MV OF PRETERM LAMBS.
A Rebentisch, M Dahl, O Johnson, C Bradford, E Dawson, R Dellaca, A Lavizzari, D Null, B Yoder and K Albertine, Salt Lake City, UT; Milan, Italy; Milano, Italy; Davis, CA. University of Utah (WSPR)

PERINATAL NICOTINE EXPOSURE-INDUCED OFFSPRING ASTHMA PHENOTYPE TRANSMITTED VIA MALE VS. FEMALE GERM LINE.
C Yu, J Liu, R Sakurai, Y Wang and V Rehan, Torrance, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center

TLR4 MEDIATED NEONATAL LUNG INJURY IS NOT SEX SPECIFIC.
L Nguyen, J Sandoval, O Castro, R de Dios, S McKenna and C Wright, Aurora, CO. University of Colorado Anschutz Medical Campus

STRAIN DIFFERENCES IN THE TRANSCRIPTOME OF MONONUCLEAR PHAGOCYTES HIGHLIGHT THE GENETIC BASIS FOR INTERINDIVIDUAL DIFFERENCES IN PULMONARY IMMUNITY.
Abstract 124

**4:15** RATES FOR BRONCHOPULMONARY DYSPLASIA VARY BASED ON DEFINITION AND CORRECTION FOR ALTITUDE.
*K Gulliver* and *B Yoder*, Salt Lake City, UT. *University of Utah*

Abstract 125

**4:30** DOES THE NRN BPD PREDICTION ALGORITHM CORRECTLY IDENTIFY BPD RISK USING DIFFERENT BPD DEFINITIONS AT ALTITUDE?
*K Gulliver* and *B Yoder*, Salt Lake City, UT. *University of Utah*

Abstract 126

**4:45** THE URINARY METABOLOM E AND BRONCHOPULMONARY DYSPLASIA IN PRETERM INFANTS TREATED WITH INHALED NITRIC OXIDE.
*D Torgerson*, R Keller, RA Ballard and P Ballard, Montreal, Canada; San Francisco, CA. *McGill University and Genome Quebec Innovation Center (WSPR Mead Johnson Nutrition Junior Faculty Travel Award)*

Abstract 127

**5:00** DOCOSAHEXAENOIC ACID CAUSES A DOSE-DEPENDENT DECREASE IN LUNG FATTY ACID BINDING PROTEIN 4 IN POSTNATAL GROWTH RESTRICTED RAT PUPS.
*B Zhao*, H Wang and L Joss-Moore, Salt Lake City, UT. *University of Utah (WSPR Mead Johnson Travel Award Winner) (WSMRF)*

Abstract 128

**5:15** MATERNAL VITAMIN D DEFICIENCY DECREASES DISTAL LUNG VASCULAR DEVELOPMENT AND PULMONARY ENDOTHELIAL CELL GROWTH AND FUNCTION.
*T Gonzalez*, S Ryan, G Seedorf, J Fleet, S Abman and E Mandell, Aurora, CO; West Lafayette, IN. *University of Colorado*

Abstract 129

**5:30** PROTECTIVE EFFECT OF ELECTRO-ACUPUNCTURE AT DIFFERENT MATERNAL ACUPOINTS ON PERINATAL NICOTINE EXPOSURE-INDUCED RAT LUNG PHENOTYPE.
*Y Liu*, B Ji, R Sakurai and V Rehan, Torrance, CA; Beijing, China. *Los Angeles Biomedical Research Institute*

Abstract 130

**6:00 pm – 7:30 pm**

**Welcome Reception and Poster Session**

*Jointly sponsored by WAFMR, WAP, WSCI, WSMRF, and WSPR*

*All welcome and encouraged to attend*
Neuroscience I
Chapman #4 (Sunset Center)
Hermelinda Abcede, Presiding

3:15  CHARACTERIZATION OF EPIPREGNANOLONE AS A NOVEL HYPNOTIC.
I Coulter and S Todorovic, Aurora, CO. University of Colorado School of Medicine
Abstract 131

3:30  RESTORING CNS HOMEOSTASIS: EFFECTS OF IMMUNOMODULATION ON NEUROPATHOLOGY IN OLD LATE-STAGE MURINE MODELS OF ALZHEIMER’S DISEASE.
T Torbati, J Doustar, G Regis, D Fuchs, Y Koronyo, J Sheyn, A Rentsendorj, P Shah, S Li, KL Black and M Koronyo-Hamaoui, Los Angeles, CA; Pomona, CA; Zhejiang, China. Cedars-Sinai Medical Center (WAFMR/WAP/WSCI Student Subspecialty Award Winner)
Abstract 132

3:45  ANGIOTENSIN 1-7 IMPROVES COGNITIVE FUNCTION IN MICE FOLLOWING MILD TRAUMATIC BRAIN INJURY.
M Gaub, R Bruhns, A Sandweiss, E Bae, D Coleman, A Larson, B Joseph, T Largent-Milnes and T Vanderah, Tucson, AZ. University of Arizona (WSMRF)
Abstract 133

4:00  MICROGLIAL DEPLETION ABOLISHES ISCHEMIC PRECONDITIONING-MEDIATED PROTECTION IN WHITE MATTER.
D Gong, M Hamner, A McDonough, BR Ransom and J Weinstein, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 134

4:15  COMPRESSED SENSING IMAGE ACQUISITION AND PROCESSING FOR SINGLE PHOTON EMISSION TOMOGRAPHY STUDIES OF PARKINSON’S DISEASE.
J Bazzy and S Obrzut, La Jolla, CA; San Diego, CA. UC San Diego School of Medicine
Abstract 135

4:30  USE OF T-TYPE CALCIUM CHANNEL BLOCKERS AS ADJUVANTS FOR GENERAL ANESTHESIA.
S Feseha, TT Stamenic, C Tamag, D Wallace, R Valdez and S Todorovic, Aurora, CO. University of Colorado School of Medicine
4:45 **ORPHANIN FQ/NOCICEPTIN REGULATES ENERGY HOMEOSTASIS IN A DIET-DEPENDENT MANNER.**
*CA Moore and EJ Wagner, Pomona, CA. Western University of Health Sciences*

5:00 **PITUITARY ADENYLATE CYCLASE ACTIVATING POLYPEPTIDE DECREASES ENERGY INTAKE AND INCREASES ENERGY EXPENDITURE IN A DIET-SENSITIVE FASHION.**
*KP Guadagno and EJ Wagner, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine*

5:15 **CASPASE-3 EXPRESSION IN THE RAT HIPPOCAMPUS AFTER PILOCARPINE INDUCED STATUS EPILEPTICUS.**
*QF Marshall, M González and A Brooks-Kayal, Aurora, CO. University of Colorado School of Medicine Children's Hospital Colorado*

5:30 **CALPAIN-2 CONDITIONAL KNOCKOUT MICE EXHIBIT IMPROVED BEHAVIORAL PERFORMANCE, AS COMPARED TO WILD-TYPE MICE, AFTER REPETITIVE MILD TRAUMATIC BRAIN INJURY.**
*A Sherbaf, A Nham, Y Wang and M Baudry, Pomona, CA. Western University of Health Sciences*

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**Pulmonary and Critical Care I**
Studio 105 (Sunset Center)
*Brooks T. Kuhn and Michael Schivo, Presiding*

3:15 **HYPONATREMIA WITH SEIZURES AND PULMONARY INFILTRATES IN A YOUNG ADULT.**
*W Pidcock and AA Zeki, Sacramento, CA; Mather, CA. University of California-Davis VA of Northern California*
Abstract 141

3:30 ALWAYS IN HIND SIGHT: RAPIDLY FATAL RIGHT VENTRICULAR FAILURE FROM PULMONARY TUMOR THROMBOTIC MICROANGIOPATHY.
C Burciaga Calderoni and P Giri, Loma Linda, CA. Loma Linda University Health

Abstract 142

3:45 THE CONTRIBUTION OF NURSING POINT-OF-CARE ULTRASOUND ON SEPTIC EMERGENCY DEPARTMENT PATIENTS.
C Donham, V Dinh, N Selden, T Lowe, ET Reibling, H Skaggs, R Vanderwel and K Haycock, Loma Linda, CA; Riverside, CA; Los Angeles, CA. Loma Linda University Health

Abstract 143

4:00 REVISED RISK ESTIMATES DO NOT ALTER THE RELATIONSHIP BETWEEN ASTHMA AND CARDIOVASCULAR DISEASE RISK IN TYPE 2 DIABETES.
KA Aldrete, C Murray-Krezan, MD Ehrhart and MR Burge, Albuquerque, NM. University of New Mexico Health Sciences Center (WAFMR/WAP/WSCI Student Subspecialty Award Winner)

Abstract 144

4:15 PREVENTION OF PNEUMOCYSTIS PNEUMONIA IN NON HIV PATIENTS ON STEROIDS IN THE USA (PREPOSTERUS).
C Fling and J Maloney, Denver, CO. University of Colorado School of Medicine (WAFMR)

Abstract 145

4:30 CHRONIC PASTEURELLA MULTOCIDA INFECTION RESULTING IN FOCAL BRONCHIECTASIS IN A PEDIATRIC PATIENT.
K Ongaigui and PC Do, Fresno, CA. University of California-Davis School of Medicine

Abstract 146

4:45 ARGinine AND ADMA RATIO IS ASSOCIATED WITH EXHALE NITRIC OXIDE-A LONGITUDINAL METABOLIC STUDY.
S Liao, A Linderholm, MR Showalter, L Franzi, AA Zeki and N Kenyon, Sacramento, CA; Davis, CA. University of California-Davis (AFMR Henry Christian Awardee)

Abstract 147

5:00 INTRAPERITONEAL LPS IMPAIRS HEPATIC SELENOCYSTEINE AND SELENOENZYME SYNTHESIS.
L Sherlock, I McDermott, L Hernandez-Lagunas, S McKenna, C Delaney, T Tipple, C Wright and E Nozik-Grayck, Aurora, CO; Birmingham, AL. University of Colorado (WAP/WSCI Travel Award Winner) (WSPR)
5:15  A CASE REPORT AND DISCUSSION OF KAPOSI'S SARCOMA-ASSOCIATED HERPES VIRUS INFLAMMATORY CYTOKINE SYNDROME.  
MP Clark-Coller, BT Kuhn, HH Rashidi and M Avdalovic, Sacramento, CA. University of California-Davis  
Abstract 149

5:30  MICE WITH DECREASED MATRIX BOUND SOD3 DEMONSTRATE EARLY ROBUST INFLAMMATORY RESPONSE AND EXAGGERATED NFkB SIGNALING AFTER INTRATRACHEAL BLEOMYCIN.  
SM Khatib, L Sherlock, H Elajaili, L Hernandez, C Wright and E Nozik-Grayck, Aurora, CO. University of Colorado Anschutz Medical Campus  
Abstract 150

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Surgery II  
Carmel Women's Club  
Subhas Gupta, Presiding

3:15  PREOPERATIVE PECTORALIS PLANE NERVE BLOCKS AND POSTOPERATIVE OPIOID CONSUMPTION IN A USA ACADEMIC INSTITUTION: A RETROSPECTIVE REVIEW.  
J Avila, S Kim, S Macres and J Zhou, Sacramento, CA. University of California, Davis, School of Medicine (WAFMR/WAP/WSCI Student Subspecialty Award Winner)  
Abstract 151

3:30  EPIDEMIOLOGY, OUTCOMES FROM TREATMENT, AND THE SPECTRUM OF SOFT TISSUE INFECTIONS OVER TIME IN HOSPITALIZED PATIENTS: A POPULATION-BASED DESCRIPTION OF INPATIENTS IN THE STATE OF CALIFORNIA.  
T Zangara, L Ferrigno and P Hosokawa, Aurora, CO. University of Colorado School of Medicine (WSMRF)  
Abstract 152

3:45  PROPHYLACTIC FIXATION VERSUS OBSERVATION OF THE ASYMMPTOMATIC CONTRALATERAL HIP IN SLIPPED CAPITAL FEMORAL
EPIPHYSIS.
A Skaggs, L Agatstein, B Haus, A Patel and J Boakes, Davis, CA; Sacramento, CA. University of California-Davis Shriners Hospital for Children (WSMRF)

Abstract 153

4:00 EFFECTIVENESS OF RADIATION PROTECTIVE MEASURES IN SHIELDING RADIOSENSITIVE ORGANS DURING PERCUTANEOUS NEPHROLITHOTOMY PROCEDURE.

Abstract 154

4:15 ABDOMINAL TRAUMA OUTCOMES AT A TERTIARY HOSPITAL IN SOROTI, UGANDA: A RETROSPECTIVE ANALYSIS.
I Zivkovic, D Duffy, R Baird and M Ajiko, Vancouver, BC, Canada; Soroti, Uganda. Children's Hospital University of British Columbia

Abstract 155

4:30 ESTABLISHING A BASELINE OF OPERATIVE TIME AND LENGTH OF STAY FOR DEGLOVING INJURIES.
BP Sheridan, C Croughan and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Abstract 156

4:45 ENDOscopic INSTRUMENTS INCREASES THE RADIATION EXPOSURE DURING URETEROSCOPY: A CADAVER STUDY.

Abstract 157

5:00 SURGICAL CORRECTION OF VELOPHARYNGEAL DYSFUNCTION IN CHILDREN WITH 22Q11.2DS.
ML Boersma, CA Loock, M Bucevska, R Courtemanche and D Courtemanche, Waco, TX; Vancouver, BC, Canada. Baylor University, BC Children's Hospital

Abstract 158

5:15 A MODIFIED PHARYNGEAL FLAP TECHNIQUE FOR THE TREATMENT OF VELOPHARYNGEAL INCOMPETENCE.
M Skarlicki, M Carr, J Arneja, M Bucevska, S Palm and A Gosain, London, Canada; Vancouver, BC, Canada; Chicago, IL. BC Children's Hospital, The University of Western Ontario (WSMRF)

Abstract 159

5:30 OUTCOMES OF REVISION ANTERIOR CRUCIATE LIGAMENT
RECONSTRUCTION IN ADOLESCENTS.
R Ouillette, E Edmonds, H Chambers, T Bastrom and A Pennock, La Jolla, CA; San Diego, CA. University of California San Diego Medical School Rady Children's Hospital (WSMRF)

Abstract 160

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WELCOM RECEPTION AND POSTER SESSION

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WESTERN SOCIETY FOR PEDIATRIC RESEARCH
WESTERN STUDENT MEDICAL RESEARCH FORUM

Carmel Mission Inn – Carmelo Ballroom
3665 Rio Road, Carmel, CA 93923

Thursday, January 24, 2019
6:00 PM – 7:30 PM

(Presenters in attendance at their posters from 6:15 – 7:15 pm)

All welcome and encouraged to attend – Shuttle service provided from Sunset Center to Carmel Mission Inn

Adolescent Medicine and General Pediatrics
Cardiovascular
Gastroenterology
General Internal Medicine and Aging
Genetics
Health Care Research
Immunology and Rheumatology
Infectious Diseases
Morphogenesis and Malformations
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<td><strong>Adolescent Medicine and General Pediatrics</strong></td>
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| 1 | EMOTIONAL EATING, INCOME LEVEL, AND BMI IN CHILDREN.  
   *A Carnduff, E Williams, J Sawada, Y Lozano, S Harris, C Irani, E Medina and M Baum, Loma Linda, CA. Loma Linda University*  
   Abstract 161 |
| 2 | A CODE TO PREVENTION: PROVIDING ONLINE RESOURCES FOR SUBSTANCE USE PREVENTION IN ADOLESCENTS IN THERMOPOLIS, WYOMING.  
   *H Hanekamp, Seattle, WA. University of Washington*  
   Abstract 162 |
| 3 | EVALUATING THE NEED FOR HOSPITALIZATION AFTER UNCOMPLICATED ENEMA REDUCTION OF INTUSSUSCEPTION IN THE PEDIATRIC POPULATION: A LITERATURE REVIEW.  
   *V Solomon, S Ganjam, E Dufault, A Bhaiji, N Kharrati, S Kim and B Afgani, New Haven, CT; Irvine, CA. Yale University, University of California, Irvine*  
   Abstract 163 |
| 4 | IS BMI A PREDICTOR OF “BODY POSITIVITY” IN CHILDREN?  
   *E Williams, A Carnduff, YD Lozano, J Sawada, S Harris, C Irani, E Medina and M Baum, Loma Linda, CA. Loma Linda University*  
   Abstract 164 |
| **Cardiovascular** |
| 5 | THE TIMING OF ANTIBODY-MEDIATED REJECTION IN THE FIRST-YEAR AFTER HEART TRANSPLANTATION: DOES IT MAKE A DIFFERENCE?  
   *A Bitterman, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*  
   Abstract 165 |
| 6 | TAKOTSUBO CARDIOMYOPATHY IN PATIENT WITH HYPOVOLEMIC SHOCK AND METHAMPHETAMINE USE.  
   *A Sandhu, K Doyle, F Joolhar, K Tagonan and T Win, Bakersfield, CA. Kern Medical*  
   Abstract 166 |
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<td>STENOTROPHOMONAS MALTOPHILIA BACTEREMIA WITH SUSPECTED ENDOCARDITIS IN PATIENT WITH IMPLANTABLE CARDIOVERTER DEFIBRILLATOR AND CONGESTIVE HEART FAILURE SECONDARY TO AMPHETAMINE ABUSE.</td>
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<td>LONG-TERM OUTCOME OF HEART-KIDNEY TRANSPLANTATION IN AMYLOID PATIENTS.</td>
<td>A Shen, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center</td>
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<td>K Yabuno, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center</td>
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<td>TS Matern, J Holt and G Chahal, Reno, NV. University of Nevada, Reno School of Medicine</td>
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<td>N Khan, A Sandhu and J Quinlan, Bakersfield, CA. Kern Medical (WAFMR)</td>
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<td>N Khan, C D'Assumpcao, K Doyle and K Tagonan, Bakersfield, CA. Kern Medical (WAFMR)</td>
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<td>H Saab, Bakersfield, CA. Kern Medical</td>
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14  A CASE OF HEPATITIS C: TWO DECADES OF WAITING FOR GODOT OR CURE.
    HK Sandhu, A Heidari, D Mahoney and R Johnson, Bakersfield, CA. Kern Medical - UCLA
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15  INTRACELLULAR CYTOKINE SIGNALS AS BIOMARKERS OF DEPRESSION IN OLDER ADULTS.
    SM Shu, MR Irwin and HJ Cho, Pomona, CA; Westwood, CA. Western University of Health Sciences (WSMRF)
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16  REFRACTORY-PERSISTENT HEPARIN INDUCED THROMBOCYTOPENIA.
    R Sidhu, E Cobos, A Mejia and M Beare, Bakersfield, CA. Kern Medical - UCLA
    Abstract 176

17  CALCIPHYLAXIS OF MITRAL VALVE WITH INFECTIVE ENDOCARDITIS.
    R Sidhu, F Joolhar, T Win, M Talai-Shahir and A Heidari, Bakersfield, CA. Kern Medical - UCLA
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18  PAINLESS PAPULE TO MERKLE CELL CARCINOMA.
    R Sidhu, A Heidari, G Petersen, S Grandhe, A Sandhu and E Cobos, Bakersfield, CA.
    Kern Medical - UCLA
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19  THE MRNA TARGETS OF IRE1 DURING UNFOLDED PROTEIN RESPONSE.
    A Chager, R Ancar, H Himmighoefer and J Hesselberth, Aurora, CO. University of Colorado School of Medicine
    Abstract 179

20  CRISPR/CAS9-BASED GENE THERAPY FOR INHERITED VISUAL DISORDERS.
    N Mattson and T Cherry, Seattle, WA. University of Washington School of Medicine (WSMRF)
    Abstract 180

21  EVALUATION OF THE NUTRITIONAL STATUS OF PEDIATRIC PATIENTS IN SOROTI, UGANDA.
    CBhiladvala, D Duffy, M Ajiko, K Mulpuri, E Reimer and R Baird, Victoria, BC,
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<td>A Li, JR Brown, J Smith, H You, A Krause, W Le, M Alsyouf, P Stokes, M Hajiha, AS Amasyali and D Baldwin, Loma Linda, CA.</td>
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<td>Loma Linda University</td>
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### Immunology and Rheumatology

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<td>Kern Medical Hospital</td>
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*H Khawaja, R Natarajan and R Shah, Las Vegas, NV. University of Nevada Las Vegas*  
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| 29            | CASE REPORT: PSEUDOMEMBRANOUS AND OBSTRUCTIVE ASPERGILLUS TRACHEOBRONCHITIS.  
*JC Mecham, SR Hall and DG Lott, Scottsdale, AZ; Phoenix, AZ. Mayo Clinic*  
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| 30            | MULTIFOCAL OSSEOUS COCCIDIOIDOMYCOSIS MASQUERADING AS MULTIPLE MYELOMA.  
*L Moosavi, C D'Assumpcao, A Heidari, E Gunz and J Patel, Bakersfield, CA. Kern Medical - UCLA*  
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| 31            | CONCOMITANT BACTEREMIA, UTI AND MENINGITIS IN A 15-WEEK-OLD.  
*M Newell and K McLeod, Augusta, GA. Medical College of Georgia at Augusta University*  
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| 32            | COCCIDIOIDOMYCOSIS CHORIORETINITIS.  
*B Nordstrom, A Heidari and R Johnson, Bakersfield, CA. Kern Medical Valley Fever Institute*  
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| 33            | DISSEMINATED COCCIDIOIDOMYCOSIS OF THE THYROID, CENTRAL NERVOUS SYSTEM, AND BONE.  
*N Sheikhan, Y Rodriguez, R Gavilan, Y Martinez, T Parker, R Johnson and A Heidari, Bakersfield, CA. Kern Medical*  
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| 34            | EROSI VE VULVOVAGINITIS ASSOCIATED WITH BORRELIA BURGDORFERI INFECTION.  
*MC Fesler, MJ Middelveen, JM Burke and RB Stricker, San Francisco, CA; Calgary, Canada; Sydney, Australia. Union Square Medical Associates*  
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**GROUP A STREPTOCOCCUS PUERPERAL SEPSIS AFTER SPONTANEOUS ABORTION.**
C Sugirtharaj, A Sahakian, S Kaur, M Patel, A Heidari and G Petersen, San bernardino, CA; Miramar, FL; Bakersfield, CA. Ross University School of Medicine Kern Medical Center

**CONCOMITANT CENTRAL NERVOUS SYSTEM TOXOPLASMOSIS AND SERONEGATIVE DISSEMINATED COCCIDIOIDOMYCOSIS IN A NEWLY DIAGNOSED ACQUIRED IMMUNE DEFICIENCY SYNDROME PATIENT.**
M Valdez, L Moosavi and A Heidari, Bakersfield, CA. Kern Medical-UCLA Valley Fever Institute

**Morphogenesis and Malformations**

**QUANTIFYING BIREFRINGENCE IN DUCHENNE MUSCULAR DYSTROPHY ZEBRAFISH MODEL.**
E Yohannes and L Maves, Seattle, WA. Seattle Children's Research Institute University of Washington

**Neonatology General**

**TIMING OF SURGICAL LIGATION FOR PATENT DUCTUS ARTERIOSUS IN EXTREMELY IMMATURE INFANTS.**
P Agrawal, A Magsipoc, Y Kang, P Jung, AI Banerji, D Deming and AO Hopper, Loma Linda, CA. Loma Linda University

**SURGICAL TREATMENT OF PDA IS ASSOCIATED WITH INCREASED MORTALITY COMPARED TO MEDICAL TREATMENT IN EXTREMELY LOW BIRTH WEIGHT INFANTS.**
AI Banerji, P Agrawal, Y Kang, A Magsipoc, P Jung, AO Hopper and D Deming, Loma Linda, CA; Redlands, CA. Loma Linda Children's Hospital

**UTILITY OF PROBIOTICS IN MANAGEMENT OF COLIC IN INFANTS: A COMPREHENSIVE LITERATURE REVIEW.**
C Shin, K Lok, E Kim, S Nandy, D Iyer, A Quint and B Afghani, Irvine, CA; La Jolla, CA. UC Irvine School of Medicine UC San Diego (WSMRF)
41 HEALTHCARE PROVIDER ATTITUDES TOWARDS AND KNOWLEDGE OF BUBBLE CONTINUOUS AIRWAY PRESSURE (BCPAP) TO TREAT NEWBORNS IN NAKURU, KENYA.
N Switchenko, E Kibaru, M Slessor Awino and B Fassl, Salt Lake City, UT; Nakuru, Kenya. University of Utah

42 LUMBAR PUNCTURE BETWEEN TWO ACADEMIC NEONATAL INTENSIVE CARE UNITS.
FB Wertheimer, R Meyer, E McMahon, R Ramanathan and R CAYABYAB, Los Angeles, CA; Long Beach, CA; Rochester, MN. Keck School of Medicine of USC and LAC+USC

43 COST OF NEONATAL RESUSCITATION.
L Yieh, A Caughey, B Chan and D Dukhovny, Los Angeles, CA; Portland, OR. Fetal and Neonatal Institute, Children's Hospital Los Angeles, Keck School of Medicine, University of Southern California

44 INVESTIGATION OF A NITRIC OXIDE MEMBRANE TRANSFER IN MYOMETRIAL CELLS.
M Lee, Sparks, NV. University of Nevada, Reno School of Medicine

45 VAGUS NERVE STIMULATION PARADOXICALLY INCREASES MICROGLIAL ACTIVATION IN A NEONATAL RAT INFLAMMATION MODEL.
KD Williams, R Johnson, S Moore and CG Wilson, Huntsville, AL; Loma Linda, CA. Loma Linda University

46 COMPARISON OF THE EFFICACY OF ELECTRO-ACUPUNCTURE ON ACUPOINTS ST36 AND GB34 IN BLOCKING PERINATAL NICOTINE-INDUCED OFFSPRING LUNG INJURY.
B Ji, H Su, G Zhao, R Sakurai and V Rehan, Beijing, China; Torrance, CA. Beijing University of Chinese Medicine
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<td>IMPACT OF HIGH FLOW NASAL CANNULA WEANING ON CLINICAL OUTCOMES OF PRETERM INFANTS AT A HIGH ALTITUDE CENTER. &lt;br&gt; MS Oren, S Aziz, A Stefanescu and B Stefanescu, Albuquerque, NM; New Orleans, LA. &lt;br&gt; University of New Mexico</td>
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<td>ACUTE TUBULAR DYSFUNCTION WITH LOWER DOSES OF CISPLATIN. &lt;br&gt; S Kaur, Bakersfield, CA. Kern Medical</td>
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<td>DOXYCYCLINE REDUCES SCARRING BY MODULATING COLLAGEN ARCHITECTURE. &lt;br&gt; HE desJardins-Park, AL Moore, BA Duoto, S Mascharak, MP Murphy, DM Irizarry, G Wernig and MT Longaker, Stanford, CA; Boston, MA. Stanford School of Medicine (WSMRF)</td>
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<td>OUTCOMES OF PATIENTS WITH UNRESECTABLE ARTERIOVENOUS MALFORMATIONS: A 27-YEAR CHART REVIEW. &lt;br&gt; N Duan, H Bedi, J Tang, J Arneja and D Courtemanche, Vancouver, BC, Canada. University of British Columbia (WSMRF)</td>
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| 61            | SAFE USE OF PERIOPERATIVE CEFAZOLIN IN PATIENTS WITH A HISTORY OF PENICILLIN ALLERGY: A REVIEW.  
C Shen, La Jolla, CA. University of California San Diego School of Medicine |
| 62            | DYSPHAGIA IN CHILDREN AFTER CONGENITAL CARDIAC SURGERY: A SYSTEMATIC REVIEW.  
I Wong, J Wilson, S Zamora and MT Brigger, Pomona, CA; San Diego, CA. Rady Children's Hospital, College of Osteopathic Medicine of the Pacific, Western University of Health Sciences |
| 63            | SHOULDER AND ELBOW FUNCTION FOLLOWING THE SUPINATION-EXTERNAL ROTATION PROTOCOL IN CHILDREN WITH BIRTH RELATED BRACHIAL PLEXUS INJURIES: A PILOT STUDY.  
L Yefet, D Bellows, S Hynes, K Durlacher, R Courtemanche, M Bucevska and C Verchere, Richmond, Canada; Vancouver, BC, Canada. University of British Columbia |

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| 7:30 pm – 9:00 pm | WSPR Abbott Nutrition Reception  
Open to all WSPR members, trainees, and guests  
Garden Room, La Playa Hotel |
| 7:30 pm – 9:00 pm | WAFMR Business Meeting  
(by invitation only)  
Forge in the Forest |
CONCURRENT SESSIONS
Friday, January 25, 2019
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
WESTERN STUDENT MEDICAL RESEARCH FORUM

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

Adolescent Medicine and General Pediatrics II
Studio 105 (Sunset Center)
Walter Dehory and Amy Staples, Presiding

8:00  ASSESSING NUTRITIONAL INTAKES IN CHILDREN WITH NEPHROTIC SYNDROME.
N Polderman, K McFadyen, M Cushing, M Catapang, R Humphreys, C Mammen and D Matsell, Vancouver, BC, Canada. BC Children's Hospital (WSPR)
Abstract 224

8:15  SUMMARY OF ONLINE PARENTING RESOURCE RECOMMENDATIONS FOR CHILDREN’S MEDIA USE.
M Ueno, M Grief and L Yamamoto, Honolulu, HI. University of Hawaii John A. Burns School of Medicine
Abstract 225

8:30  ASSESSMENT OF PROVIDERS’ BASELINE KNOWLEDGE TO DESIGN AN EFFECTIVE CURRICULUM ON LGBTQ HEALTH FOR PEDIATRIC RESIDENTS.
R Azhir, K King, L Luu and S Maw, Fresno, CA. UCSF Fresno
Abstract 226

8:45  Adolescent Medicine and General Pediatrics State-of-the-Art Lecture:
ADVOCACY IN PEDIATRICS.
Ben Hoffman, Oregon Health & Science University
9:15 INVESTIGATING PARENTAL CONCERNS AT THE FIRST WELL CHILD VISIT.
J Krantz, L Gievers and S Khaki, Portland, WA; Portland, OR. University of Puget Sound
Abstract 227

9:30 THE FRESNO FIT PROJECT: BRINGING HEALTHY EATING INSIDE THE INNER-CITY CLASSROOM.
S Parekh, R Watkins, R McCoy, J Persch, M Sidran, K Hockett, R Kinman, D Wilson, S Stender, K Colwell and C Myers, Fresno, CA; Rootstown, OH. UCSF Fresno
Abstract 228

9:45 EDUCATIONAL IMPACT OF RESTRICTING RESIDENT WORK HOURS: A COMPREHENSIVE LITERATURE REVIEW.
HV Dayag, E Araneta, A Diamond, K Grover, J Jude Jose, R Kim, J You and B Afghani, Irvine, CA. University of California, Irvine School of Medicine (WSMRF)
Abstract 229

Break 10:00 am – 10:15 am

Cardiovascular III
Promenade Lobby (Sunset Center)
Sebastien Fuchs and Luisa Mestroni, Presiding

8:00 MECHANICAL CIRCULATORY SUPPORT PATIENTS AWAITING HEART TRANSPLANTATION WITH POSITIVE AT1R ANTIBODIES HAVE ACCEPTABLE OUTCOME POST-HEART TRANSPLANT.
G Esmailian, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 230

8:15 DO PATIENTS WITH PERIPHERAL ARTERIAL DISEASE UNDERGOING HEART TRANSPLANTATION HAVE ACCEPTABLE OUTCOME POST-TRANSPLANT?
S Rajkumar, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 231

8:30 BIOPSY-NEGATIVE REJECTION LATE AFTER HEART TRANSPLANTATION: WHAT IS THE IMPACT ON LONG-TERM SURVIVAL?
A Lam, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 232

8:45 CROSSING LOW LEVEL DONOR-SPECIFIC ANTIBODY AT THE TIME OF HEART TRANSPLANTATION: IS IT WORTH IT?
C Kawata, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles,
9:00  THE IMPACT OF COMPLEMENT-BINDING ANTIBODIES ON ADVERSE EVENTS LONG-TERM AFTER HEART TRANSPLANTATION.
V Arruarana, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

9:15  MEDICAL COMPLICATIONS AT MASTERS GAMES: EXAMINING THE RISK FOR SAFER EXERCISE IN MASTERS ATHLETES.
AP Golin, BN Morrison, S Isserow, K MacDonald, C Cater, J Taunton and J McKinney, Vancouver, BC, Canada. Cardiology, The University of British Columbia (WSMRF)

9:30  10-YEAR OUTCOMES IN HEART-KIDNEY TRANSPLANT PATIENTS.
R Sharoff, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

9:45  IS THERE A BENEFIT OF METFORMIN AFTER HEART TRANSPLANTATION?
T Hage, S Dimbil, R Levine, E Passano, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

Break 10:00 am – 10:15 am

Case Reports I
Carpenter Hall
W. Conrad Liles, Presiding

8:00  EPIDEMIC DROPSY: RAPID DETERIORATION FOLLOWING RARE EXPOSURE.
R Hadeed and R Vohra, Fresno, CA. UCSF Fresno

8:15  CONGENITAL ERYTHROPOIETIC PORPHYRIA: NOVEL GENETIC MUTATION OF A RARE DISEASE.
IG Renteria, Clovis, CA. UCSF Fresno

8:30  A CASE OF PARAQUAT-INDUCED RHABDOMYOLYSIS AND HEPATIC INJURY PRESENTING WITH TAKOTSUBO CARDIOMYOPATHY.

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8:45  ANTICOAGULATION CONUNDRUM: MECHANICAL MITRAL VALVE THROMBOSIS IN PREGNANT PATIENT ON ENOXAPARIN.
A Sandhu, F Joolhar, K Doyle, K Tangonan and R Sidhu, Bakersfield, CA. Kern Medical
Abstract 241

9:00  SEQUELAE OF RAMSAY HUNT SYNDROME: CASE REPORT AND REVIEW OF LITERATURE.
BA Walker and M Hagman, Scottsdale, AZ; Boise, ID; Seattle, WA. Mayo Clinic in Arizona
Abstract 242

9:15  LEPTOMENINGEAL MYELOMA.
H Saab, Bakersfield, CA. Kern Medical
Abstract 243

9:30  A CASE OF PRIMARY AORTIC MURAL THROMBUS IN THE SETTING OF HETEROZYGOUS PROTHROMBIN GENE MUTATION.
H Younis, R Sidhu, J Beier, E Cobos and T Win, Bakersfield, CA. Kern Medical - UCLA
Abstract 244

Break 10:00 am – 10:15 am

Endocrinology and Metabolism II
Carmel Women's Club
Shanlee Davis and Prasanth Surampudi, Presiding

8:00  EFFECTS OF OBESITY ON INSULIN SENSITIVITY AND CARDIOMETABOLIC RISK IN ADOLESCENTS WITH TYPE 1 DIABETES.
IL Melena, K Strickland, M Cree-Green, P Bjornstad, J Karr, A Baumgartner, JE Reusch and KJ Nadeau, Aurora, CO. University of Colorado Anschutz Medical Campus
Abstract 245

8:15  RECURRENT DIABETIC KETOACIDOSIS PREDICTS MAJOR ADVERSE CARDIOVASCULAR EVENTS IN TYPE 1 DIABETES.
I Fallahi, F Qeadan and MR Burge, Albuquerque, NM. University of New Mexico Health Sciences Center (WAFMR/WAP/WSCI Outstanding Resident Research Award Winner)
Abstract 246

8:30  SERUM COPEPTIN AND NT-PROBNP ARE ASSOCIATED WITH CENTRAL AORTIC STIFFNESS AND FLOW HEMODYNAMICS IN ADOLESCENTS WITH TYPE 1 DIABETES.
IL Melena, P Bjornstad, M Schafer, U Truong, A Baumgartner, L Chung, P Wiromrat, H Kim, JE Reusch and KJ Nadeau, Aurora, CO. University of Colorado Anschutz Medical Campus
Abstract 247
8:45 IMPACT OF OBESITY ON CARDIOVASCULAR FUNCTION IN ADOLESCENTS WITH TYPE 1 DIABETES.
K Baumgartner, U Truong, M Schafer, IL Melena, M Cree-Green, P Bjornstad, A Baumgartner, JE Reusch and KJ Nadeau, Aurora, CO. University of Colorado Anschutz Medical Campus (WSMRF)
Abstract 248

9:00 NON-PHYSIOLOGICAL USE OF INSULIN IS ASSOCIATED WITH A1C INERTIA IN TYPE 2 DIABETES.
N Capistrano, P Genter and E Ipp, Torrance, CA. Harbor-UCLA Medical Center (AFMR Henry Christian Awardee)
Abstract 249

9:15 THYROID STORM PRECIPITATED BY DIABETIC KETOACIDOSIS AND ALCOHOL WITHDRAWAL.
A Alaini, P Ortegon Z and MR Burge, Albuquerque, NM. University of New Mexico (WAP/WSCI Travel Award Winner)
Abstract 250

9:30 DEVELOPMENT OF A GESTATIONAL DIABETES EDUCATION AND AWARENESS PROGRAM: DHULIKHEL, NEPAL.
S Maze, Ranchester, WY. University of Washington (WSMRF)
Abstract 251

9:45 METFORMIN ASSOCIATED SEVERE LACTIC ACIDOSIS WITHOUT PRE-EXISTING RENAL DISEASE.
K Abad and C Kien, Albuquerque, NM; Tempe, AZ. University of New Mexico NMVAHCS
Abstract 252

Break 10:00 am – 10:15 am

Gastroenterology
Babcock #6 (Sunset Center)
John Inadomi and Hal Yee, Presiding

8:00 USE OF NON-INVASIVE MARKERS AND FIBROSCAN® TO DETERMINE SEVERITY OF LIVER DISEASE IN PATIENTS WITH CHRONIC HEPATITIS B.
RC Carricaburu, Anchorage, AK. University of Washington School of Medicine, WWAMI (WAFMR/WAP/WSCI Student Subspecialty Award Winner)
Abstract 253

8:15 PERIAORTIC FAT: A POTENTIAL BIOMARKER FOR METABOLIC DISEASE IN OVERWEIGHT CHILDREN.
S Santos, T Armstrong, S Ghahremani, KV Ly, HH Wu and KL Calkins, Los Angeles, CA; Glendale, AZ. David Geffen School of Medicine (WSMRF)
Abstract 254
8:30 SHORT & LONG TERM SURGICAL AND BOWEL OUTCOMES OF ANTEGRADE CONTINENCE ENEMAS: SINGLE CENTER EXPERIENCE.
KT Madsen and L Ambartsumyan, Seattle, WA. University of Washington School of Medicine, Seattle Children's Hospital (WSMRF)
Abstract 255

8:45 OUTCOME OF GASTROSTOMY TUBE IN NEONATES AND INFANTS: CAN GASTROSTOMY TUBE BE AVOIDED? A PILOT STUDY.
N Shah, D Moores and M Shah, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)
Abstract 256

9:00 SIMETHICONE PRETREATMENT WITH GATORADE-POLYETHYLENE GLYCOL 3350-BISACODYL IN AN EFFORT TO IMPROVE BOWEL WALL VISUALIZATION.
M Rishi, N Manasewisch, M Svendsen, J Kaur, M Ulanja and E Osgaard, Reno, NV. University of Nevada Reno School of Medicine
Abstract 257

9:15 State-of-the-Art Lecture:
ACADEMIC MENTORSHIP AND CAREER PLANNING.
John Inadomi and Hal Yee, University of Washington and Los Angeles County Department of Health Services

Break 10:00 am – 10:15 am

Genetics I
Rehearsal Room (Sunset Center)
Suma Shankar and Joseph J. Shen, Presiding

8:00 DEVELOPING A MOUSE MODEL FOR HYPERTRIGLYCERIDEMIA ASSOCIATED WITH LMF-1 DEFICIENCY.
D Stufflebeam, N Ehrhardt and M Peterfy, Pomona, CA. Western University of Health Sciences
Abstract 258

8:15 BROOKE-SPIEGLER SYNDROME AND MOLECULAR HITS IN CYLD TUMORS.
AR Aycinena, DT Beleford, J Van Ziffle and J Shieh, San Francisco, CA. UCSF (WSPR)
Abstract 259

8:30 22Q11.2 DELETION SYNDROME- A LOOK AT THE FINDINGS IN CONFIRMED CASES FROM A DIVERSE GROUP OF CHILDREN.
B Gangaram, A Slavotinek, O Klein and A Wiita, San Francisco, CA. UCSF (WSPR Mead Johnson Travel Award Winner)
Abstract 260
8:45 SOLVING THE PUZZLE OF LOW PENETRANCE IN A FAMILY WITH A PROXIMAL 15Q11.2 (BP1-BP2) MICRODELETION.
S Ramanathan and RD Clark, Loma Linda, CA. Loma Linda University School of Medicine
Abstract 261

9:00 TWO LARGE MULTI-GENERATIONAL FAMILIES WITH SMAD3-RELATED LOEYS-DIETZ SYNDROME.
JJ Shen, P Byers, A Cheng, M Joseph, J Fisher and CJ Curry, Fresno, CA; Seattle, WA; Madera, CA. UCSF-Fresno
Abstract 262

9:15 CLINPHEN EXTRACTS AND PRIORITIZES PHENOTYPES FROM MEDICAL RECORDS TO ACCELERATE GENOMIC DIAGNOSIS.
CA Deisseroth, J Birgmeier, EE Bodle, J Kohler, D Matalon, Y Nazarenko, C Genetti, C Brownstein, K Schmitz-Abe, K Schoch, H Cope, R Signer, UD N, J Martinez-Agosto, V Shashi, A Beggs, J Bernstein and G Bejerano, Stanford, CA; Los Angeles, CA; Bethesda, MD. Stanford University (WSPR Abbott Nutrition Subspecialty Award)
Abstract 263

9:30 NEONATAL GENOMIC SEQUENCING HIGHLIGHTS UNCOMMON PRESENTATIONS OF COMMON PATTERNS OF MALFORMATION PRIOR TO CLINICAL RECOGNITION.
KWigby, M Tokita, S Chowdhury, D Dimmock, S Kingsmore and M Jones, San Diego, CA. University of California, San Diego Rady Children's Institute for Genomic Medicine (WSPR Mead Johnson Nutrition Junior Faculty Travel Award)
Abstract 264

9:45 CLINICAL WHOLE GENOME SEQUENCING: THE SALVATION FOR DIAGNOSTIC ODYSSEYS?
S Shankar, R Hagerman, v Triano and KA Rauen, Sacramento, CA. UC Davis (WAFMR)
Abstract 265

Break 10:00 am – 10:15 am

Neonatology General III
All Saints Church, Seccombe Hall
Robert DiGeromino and Josephine Enciso, Presiding

8:00 NEWBORN CARE AFTER DELIVERY: A SITUATION ANALYSIS IN RURAL RWANDA.
APatel, I Rushingwa, H Uwisanze, A Judkins, JW Thomas, R Patel, J Robison and BFassl, Salt Lake City, UT; Butare, Rwanda. University of Utah
Abstract 266
8:15 PILOT DOSE ESCALATION TRIAL OF BUDESONIDE IN SURFACTANT IN VENTILATED EXTREMELY LOW GESTATIONAL AGE NEWBORNS.  
C McEvoy, R Wadhawan, M Hudak, H Weitkamp, J Harris, J Asselin, P Ballard and R Ballard, Portland, OR; Orlando, FL; Jacksonville, FL; San Francisco, CA; Nashville, TN. Oregon Health & Science University (WSPR)

Abstract 267

8:30 PERCEPTIONS OF QUALITY OF LIFE. 
A Faulman, C Levek, K Pickett, J Scott, B Jackson, J Glover and S Hwang, Denver, CO; Aurora, CO. University of Colorado (WSPR)

Abstract 268

8:45 MECONIUM ASPIRATION SYNDROME: IMPACT OF 2016 NRP “NO-SUCTION” GUIDELINES IN CALIFORNIA.  
VK Kalra, H Lee, L Sie, M Underwood and S Lakshminrusimha, Sacramento, CA; Stanford, CA. UC Davis Children's Hospital (WSPR Mead Johnson Nutrition Junior Faculty Travel Award)

Abstract 269

9:00 Inaugural Vedang Londhe Memorial State-of-the-Art Lecture: 
TRANSCRIPTOMIC PROFILING AS A QUANTITATIVE READOUT OF MOLECULAR PHENOTYPES ACROSS MULTIPLE GENETICALLY-BASED, BPD MODELS.  
Parviz Minoo, Keck School of Medicine of USC

9:30 CAN POINT OF CARE ULTRASOUND BE USEFUL IN ASSESSMENT OF BRONCHOPULMONARY DYSPLASIA?  
KE Goodman, H Muniraman, C Kaminsky, SR Sardesai and J Shepherd, LA, CA.  
LAC+USC Medical Center, Keck School of Medicine of USC, Fetal and Neonatal Institute, Children's Hospital Los Angeles, Keck School of Medicine of USC

Abstract 270

9:45 TARGETING EPITHELIAL MEMBRANE PROTEIN 2 (EMP2) IN RETINOPATHY OF PREMATURITY. 
A Chu, M Sun, M Wadehra and L Gordon, Los Angeles, CA. UCLA (WSPR Mead Johnson Nutrition Junior Faculty Travel Award) (WSPR)

Abstract 271

Break 10:00 am – 10:15 am

Neonatology - Perinatal Biology I  
Chapman #4 (Sunset Center)  
Arlin Blood and Lisa Joss-Moore, Presiding

8:00 VASODILATION OF FETAL AND ADULT SHEEP PULMONARY ARTERIES BY NITROSGLUTATHIONE.  
A Chadha, T Liu and A Blood, Loma Linda University, CA. Loma Linda University
8:15 PROLONGED IGF-1 INFUSION INCREASES MYOBLAST PROLIFERATION IN LATE GESTATION FETAL SHEEP.
S Heard, S Shaw, E Chang, P Rozance, S Jonker and L Brown, Biddeford, ME; Portland, OR. University of Colorado School of Medicine (WSPR Mead Johnson Travel Award Winner)

8:30 CEREBRAL VASCULAR RESPONSE TO HYPOXIA IN NEWBORN LAMBS.
P Agrawal, A Blood and G Power, Loma Linda, CA. Loma Linda University

8:45 PROLONGED AMINO ACID INFUSION INTO INTRAUTERINE GROWTH RESTRICTED (IUGR) FETAL SHEEP DOES NOT INCREASE MYOFIBER AREA.
W Hulse, L Brown, W Hay, P Rozance, SR Wesolowski and S Shaw, Aurora, CO. University of Colorado

9:00 MATERNAL/FETAL TOTAL LIPID CONCENTRATIONS IN GROWTH RESTRICTED BABOON.
SS Chassen, V Ferchaud-Roucher, C Li, T Jansson, P Nathanielsz and TL Powell, Aurora, CO; Laramie, WY. University of Colorado (WSPR Mead Johnson Nutrition Junior Faculty Travel Award)

9:15 MATERNAL TOBACCO SMOKE EXPOSURE ALTERS PLACENTAL SETD8 AND PHOSPHOLIPID PROFILES.
J Whitham, E Barrett, R Kaddu, C Weinheimer, L Joss-Moore and H Wang, Salt Lake City, UT. University of Utah

9:30 University of Colorado Fred Battaglia State-of-the-Art Lecture:
FETAL STRESS LASTS FOR GENERATIONS.
Kent Thornburg, Oregon Health & Science University

Break 10:00 am – 10:15 am

Surgery III
Conductor's Room
Subhas Gupta, Presiding

8:00 ASSESSING TECHNICAL COMPETENCE: DEVELOPING A TECHNICAL SKILLS EXAM FOR GENERAL SURGERY TRAINEES PERFORMING ROBOTIC CHOLECYSTECTOMIES.
CA Aziz, JC Quispe, K Medani and E Yung, Irvine, CA. Loma Linda University School of
USE OF A NOVEL NON-INVASIVE SKIN CLOSURE DEVICE FOR PREVENTION OF WOUND DEHISCENCE IN TRUNK-BASED SURGERY.
JW Kubiak, J Yoo and S Gupta, Loma Linda, CA. Loma Linda University

METHAMPHETAMINE-POSITIVE PATIENTS: THE SAME BUT DIFFERENT FROM OTHER BURN-INJURERED PATIENTS.
EA Solomon, S Sen, T Palmieri, D Greenhalgh and K Romanowski, Sacramento, CA. UC Davis

REGENERATIVE MEDICINE AND ACUTE WOUND CARE: CURRENT METHODS AND THE PROMISE OF THE FUTURE.
DD Gordon, EY Choi, CP De Guzman and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine

EFFECT OF ALVIMOPAN ON RECOVERY AFTER BOWEL SURGERY IN THE ABSENCE OF ENHANCED RECOVERY PROTOCOL.
D Haering and M Krane, Anchorage, AK; Seattle, WA. University of Washington

AN INTERDISCIPLINARY APPROACH TO ORGANIZE METHODS OF BIOFILM TREATMENT AND PREVENTION.
CP De Guzman, EY Choi, DD Gordon and S Gupta, Loma Linda, CA. Loma Linda University (WSMRF)

SEVERITY OF LIVER PATHOLOGY PREDICTS IMPROVEMENT IN TRANSAMINASE LEVELS IN PATIENTS WHO UNDERWENT SLEEVE GASTRECTOMY PROCEDURE: A RETROSPECTIVE ANALYSIS.
RA Lambin, K Sasse, J Gevorkian and JD Lambin, Carson City, NV; Reno, NV. University of Nevada, Reno School of Medicine Sasse Surgical Associates

A NEW MULTI-MODALITY PROTOCOL FOR KEOID MANAGEMENT USING ADVANCED TECHNOLOGIES.
BP Sheridan and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

Break 10:00 am – 10:15 am
Behavior and Development I
Chapman #4 (Sunset Center)
Irene M. Loe and Jean Lowe, Presiding

10:15 SOCIOECONOMIC FACTORS IMPACT THE INFLUENCE OF ADVERSE CHILDHOOD EXPERIENCES ON HEALTH OUTCOMES.
N Shah and A Marie-Mitchell, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

10:30 “GRANDPA SPEAKS, NOBODY LISTENS.” GEROTRANSCENDENCE, A CHANGE IN MINDSET OF ALASKA NATIVE ELDERS.
E Wortman and J Lewis, Anchorage, AK. University of Washington

10:45 PILOT TEST OF AN ONLINE BIAS REDUCTION CURRICULUM FOR MEDICAL STUDENTS.
C Villegas, P Flynn, A Wilson and G Hayes, Loma Linda, CA. Loma Linda University

11:00 MATERNAL-FETAL LEAD TOXICITY FROM AN OLD SLUG: THE POISONED INFANT AT 21.
11:15 IMPACT OF MATERNAL VERBAL SCAFFOLDING ON LANGUAGE AND COGNITIVE DEVELOPMENT IN TODDLERS WITH PRENATAL POLYSUBSTANCE EXPOSURE.
J Lowe, A Qamruddin, C Murray-Krezan, J Stephen, R Rieger, S Cano and L Bakhireva, Albuquerque, NM. University of New Mexico

Abstract 290

11:30 Behavior and Development State-of-the-Art Lecture:
CANNABIS AND COGNITIVE FUNCTIONING IN ADOLESCENCE.
Raul Gonzalez, Florida International University

12:00 PARENTAL PERCEPTION OF CHILDREN’S BODY WEIGHT AND CHILDREN’S BMI.
J Sawada, Y Lozano, A Carnduff, E Williams, S Harris, C Irani, E Medina and M Baum, Loma Linda, CA. Loma Linda University

Abstract 291

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Global Health II
Promenade Lobby (Sunset Center)
Peter Bulger, Presiding

10:15 COMMUNITY DELIVERY AND UPTAKE OF CONTRACEPTION AND GENDER-BASED, POST-VIOLENCE CARE AMONG YOUNG WOMEN IN SEME SUB-COUNTY, KENYA.
C Botros, C Penner, K Furk, J See, P Mbullo and V Kapoor, Vancouver, BC, Canada; Chicago, IL. University of British Columbia

10:30 IMPACT OF FOOD SECURITY, DIET, DIABETES, AND HYPERTENSION ON ISCHEMIC HEART DISEASE IN THE DOMINICAN REPUBLIC.
A Marett, M Fotoohi and R Rauber, Reno, NV. University of Nevada, Reno School of Medicine

10:45 SICKLE CELL DISEASE IN THE INDIGENOUS THARU POPULATION OF NEPAL: A SUSTAINABLE APPROACH TO IMPROVING AWARENESS IN THE COMMUNITY THROUGH THE TRAINING OF COMMUNITY HEALTH WORKERS.
Z Dayan, P Dean, M Donaldson, J Dhinsa, N Marchand, H Sidhu, A Wang, V Zou and V Kapoor, Vancouver, BC, Canada. University of British Columbia Faculty of Medicine (WSMRF)

11:00 DEPRESSION AND SUICIDALITY IN NAIVASHA, KENYA: INVESTIGATING THE INTENTIONALITY OF POISON INGESTION AND PROVIDING CLINICAL TOOLS FOR THOSE CARING FOR SUICIDAL PATIENTS.
S Lawson, Anchorage, AK. University of Washington

11:15 QUALITY IMPROVEMENT OF INTRODUCTORY FEMALE REPRODUCTIVE HEALTH EDUCATION IN RURAL NEPAL.
Z Zhou, Bozeman, MT. University of Washington (WSMRF)

11:30 HYPERTENSION EDUCATION IN A COMMUNITY BASED SETTING FOR SOMALI IMMIGRANTS.
S Padelford, Seattle, WA. University of Washington School of Medicine

11:45 EXAMINING THE FACTORS AFFECTING IMMUNIZATION FOR UGANDAN CHILDREN.
I Liu, D Duffy, M Ajiko, A Cooper, N Bhanji and E Reimer, Vancouver, BC, Canada; Soroti, Uganda. University of British Columbia
### IMPLEMENTING A MOBILE APP FOR FIELD GLOBAL HEALTH RESEARCH: SUCCESSES, CHALLENGES, AND FUTURE DIRECTIONS.
*J Doane, SE Schoenhals, A Sherpa, L Lama, B Fassl and D Levy, Salt Lake City, UT; Phaplu, Nepal. University of Utah School of Medicine*

### BARRIERS TO CONTRACEPTIVE CARE AMONG RESETTLED SYRIAN REFUGEE WOMEN.
*MA Chalmiers, N Albasha, B Crouthamel, A Khoury and S Mody, La Jolla, CA; San Diego, CA. University of California San Diego School of Medicine (WSMRF)*

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### 12:30 pm – 1:30 pm | **Advice to students and trainees for navigating a future academic career as a clinician educator**
| *Everardo Cobos, Chair of Medicine, Kern Medical* | Bring own lunch – Open to all students, residents and trainees
| *Sunset Center – Chapman #4* |

### 12:30 pm – 1:30 pm | **Investigator Workshop**
| *(Fellows and Jr. Faculty – Additional charge for lunch, $10)* |
| *Leveraging your campus resources for funding and interdisciplinary projects: CTSA’s and beyond* |
| *Ronald J. Sokol, Colorado Clinical and Translational Sciences Institute, University of Colorado School of Medicine, Children's Hospital Colorado* |
| *Sunset Center – Green Room* |

### 1:00 pm – 1:30 pm | **Coffee and Dessert Buffet**
| *Carmel Women’s Club* |
THE USE OF ARTIFICIAL INTELLIGENCE IN TEACHING HUMAN HISTOLOGY.
A Dubrovsky, KA Olson, E Vali Betts, JP Graff, AD Jones, G Gao, A Datta Mitra, A Mitra and HH Rashidi, Sacramento, CA. *University of California Davis School of Medicine (WSMRF)*

EVALUATION OF A CLINICAL PATHWAY FOR ROCURONIUM BLOCK AND NEOSTIGMINE OR SUGAMMADEX REVERSAL.
T Liang, S Bhananker, M Treggiari, K Cain and S Thilen, Seattle, WA; Portland, OR. *University of Washington (WSMRF)*

THE EFFECT OF A TWO-WAY RADIO SYSTEM UPON CLINICAL COMMUNICATION.
JR Brown, Z Campwala, A Li, H You, AS Amasyali, M Alsyouf, M Shah, M Hajiha, D Baldwin, S Abourbih and D Baldwin, Loma Linda, CA. *Loma Linda University (WSMRF)*

DYSPHAGIA IN HEALTHY ELDERLY ADULTS: HOW IMPORTANT IS GLOTTIC INSUFFICIENCY?
T Virtue, B Crawley, T Murry, J Datema, C Liem and C Luceno, Loma Linda, CA. *Loma Linda University*

ACCESS TO FAMILY PLANNING IN RURAL COMMUNITIES PRIMARILY SERVED BY CATHOLIC HOSPITALS: A MYSTERY CALLER STUDY.
A Adams, R Osterman and M Guiahi, Aurora, CO; Denver, CO. *University of Colorado*

ABILITY OF OPIOID-IMPAIRED USERS TO INTERACT WITH A SMARTPHONE.
J Carlile and J Sunshine, Anchorage, AK. *University of Washington School of Medicine*

EVALUATION OF A DIGITAL ANGLE MONITOR TO IMPROVE ULTRASOUND SKILLS IN NOVICE MEDICAL STUDENTS.
B Gow-Lee, S White, V Dinh, J Daughety, C Vongchaichinsri, S Rammell, R Krause, M Alschuler, M Holsclaw, B Austin and D Ramsingh, Loma Linda, CA. *Loma Linda*
12:00 INVESTIGATION OF SELINEXOR AND MARIZOMIB’S SYNERGY IN PEDIATRIC HIGH-GRADE GLIOMA.
HV Chatwin, J DeSisto and A Green, Highlands Ranch, CO; Denver, CO. University of Colorado Anschutz, Morgan Adams Foundation, Pediatric Brain Tumor Research Program

12:15 COST AND LENGTH OF STAY FOR NEONATES WITH HYPOPLASTIC LEFT HEART SYNDROME.
C Gong, A Song, A Lakshmanan, R Williams, S Kumar, L Yieh and P Friedlich, Pomona, CA; Los Angeles, CA. Children’s Hospital Los Angeles (WAP/WSCI Travel Award Winner)

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Hematology and Oncology II
Carpenter Hall
Thomas Deloughery and Jorge Nieva, Presiding

10:15 RACIAL DIFFERENCES IN PROSTATE CANCER INFLAMMATORY MARKERS.
10:30 INFLUENCE OF MICROBIOME CHANGES ON ANTI-TUMOR RESPONSE.
J Faulkner, J Eremija and E Katsanis, Tucson, AZ. University of Arizona - College of Medicine (WAFMR)

10:45 A CASE OF AML AND TRISOMY 8 WITH CONCOMITANT FACTOR VII DEFICIENCY.
L Moosavi, C D'Assumpcao, J Coleman, J Bowen, A Heidari and E Cobos, Bakersfield, CA. Kern Medical Center - UCLA

11:00 INTEGRATING SINGLE-CELL GENE EXPRESSION DATA INTO PREDICTIVE MODELING OF BREAST CANCER OUTCOMES.
J Lee, K Blake, R Davis and DA Lawson, Irvine, CA. University of California, Irvine

11:15 A RAMOS-COLO HYBRID ANTIBODY CELL FUSION TARGETING PANCREATIC CANCER.
A Brar, Irvine, CA. Chapman University

11:30 DIFFERENTIATING FOLLICULAR LYMPHOMA FROM NODAL MARGINAL ZONE LYMPHOMA BY FLOW CYTOMETRY.
NL Maris, A Thomas, D Stanton, B Wood and J Fromm, Spokane, WA; Fort Bragg, CA. University of Washington (WSMRF)

11:45 RECURRENT GALLBLADDER CARCINOMA PRESENTING WITH MALIGNANT ASCITES.
T Sharifan, S Ragland and J Patel, Laguna Niguel, CA. Kern Medical

12:00 NK T-CELL LYMPHOMA OF THE SOFT PALATE.
JJ Masehi-Lano and C Tang, San Marino, CA. Kaiser Permanente Medical Center at San Francisco

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*Sunset Center – Green Room* |
| 1:00 pm – 1:30 pm  | Coffee and Dessert Buffet  
*Carmel Women’s Club* |

**Infectious Diseases II**  
Carmel Women's Club  
Fred Buckner and David Gilbert, Presiding

10:15 **INNATE IMMUNE PROTECTION GENERATED AGAINST INFLUENZA IN MICE VACCINATED WITH LIPOSOMES CONTAINING ONLY PAM3CAG AND NO INFLUENZA EPITOPES.**  
*F Guirguis and J Adler-Moore, Pomona, CA. Western University of Health Sciences*  
Abstract 318

10:30 **RISK FACTORS ASSOCIATED WITH RECURRENT KAWASAKI DISEASE.**  
*A Bui, S Prasad, F Afzal, A Guliam, K Ayithi, Y Kwon and B Afghani, Los Angeles, CA; Irvine, CA. University of Southern California*  
Abstract 319

10:45 **IDENTIFYING RISK FACTORS FOR STAPHYLOCOCCUS AUREUS INFECTION IN RIVER RAFTING GUIDES.**  
*E Asselin and PS Romano, Sacramento, CA. UC Davis School of Medicine*  
Abstract 320

11:00 **TISSUE RESIDENT MEMORY CD8 T CELL RESPONSE TO VARICELLA-**
ZOSTER VIRUS AFTER SHINGLES.
S Mortazavi, VL Campbell, DM Koelle, K Laing and C Johnston, Seattle, WA. University of Washington (WSMRF)

Abstract 321

11:15 PREVENTING HIV INFECTIONS IN SEATTLE BY PROMOTING AWARENESS AND ACCESS FOR PRE-EXPOSURE PROPHYLAXIS (PREP) FOR HOMELESS YOUNG ADULTS.
T Takami, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 322

11:30 THE EVOLUTION OF NUCLEOPORIN 153 AND ITS EFFECT ON HIV NUCLEAR ENTRY.
DA Olson and P Rowley, Seattle, WA; Moscow, ID. University of Washington University of Idaho

Abstract 323

11:45 PROBING THE EFFICACY OF LIPOSOMAL GLUTATHIONE AS A SUPPLEMENT FOR MYCOBACTERIUM TUBERCULOSIS TREATMENT.
B Robinson, S Munjal and V Venketaraman, Pomona, CA. Western University of Health Sciences (WSMRF)

Abstract 324

12:00 PNEUMOCYSTIS JIROVECII DETECTION IN PRETERM INFANTS ADMITTED TO THE NEONATAL INTENSIVE CARE UNIT: A PILOT STUDY.
J Fink, R CAYABYAB, M Cielo and A Kovacs, San Jose, CA; Los Angeles , CA. LAC+USC LAC+USC (WSMRF)

Abstract 325

12:15 EXTRAPULMONARY COCCIDIOIDOMYCOSIS PRESENTING AS PERITONITIS.

Abstract 326

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Leveraging your campus resources for funding and interdisciplinary projects: CTSA’s and beyond
Ronald J. Sokol
Colorado Clinical and Translational Sciences Institute, University of Colorado School of Medicine, Children's Hospital Colorado
Sunset Center – Green Room
1:00 pm – 1:30 pm
Coffee and Dessert Buffet
Carmel Women’s Club

Morphogenesis and Malformations
Rehearsal Room (Sunset Center)
Emily Chen and Joseph Shieh, Presiding

10:15 Morphogenesis and Malformations State-of-the-Art Lecture: TBA

10:45 EMBRYOPATHY DUE TO TREATMENT OF ECTOPIC PREGNANCY WITH METHOTREXATE.
A Lebedoff, D Viskochil and JC Carey, Salt Lake City, UT. University of Utah/Primary Children's Hospital (WSPR Mead Johnson Travel Award Winner) Abstract 327

11:00 BIALLELIC DNAJC21 VARIANTS & INHERITED BONE MARROW FAILURE: REPORT OF THREE AFFECTED SIBS.
L Carter and D Stevenson, Stanford, CA. Stanford University (AFMR Henry Christian Awardee) Abstract 328

11:15 IMPACT OF CARDIAC ALGORITHM ON CYTOGENETIC TESTING.
BJ Floyd, SR Hintz, CJ Suarez, A Cherry, L Yu, W Benitz, JR Priest, GE Wright, S Bhombal, A Davis, VY Chock, N Weigel, D Kobayashi, B Fluharty and D Stevenson, Palo Alto, CA. Stanford Children's Hospital Abstract 329

11:30 FACIAL MEASUREMENTS FROM 3D IMAGING OBTAINED USING A MOBILE DEVICE FOR USE IN GENETIC EVALUATION.
A Kumar, E Kravets and J Bernstein, Palo Alto, CA. Stanford University Abstract 330

11:45 PRENATAL DETECTION OF CEREBELLAR HYPOPLASIA ASSOCIATED WITH A NONSENSE VARIANT IN DLL1, A NOTCH LIGAND.
TK Ha and A Slavotinek, San Francisco, CA. UCSF (WSPR Abbott Nutrition Subspecialty Award)

Abstract 331

12:00 TREATMENT WITH CHOLIC ACID LEADS TO RESOLUTION OF RENAL CYSTS IN CONGENITAL BILE ACID SYNTHESIS DISORDER TYPE I.
PJ Leahy, C Lee and S Schelley, Mountain View, CA. Stanford University

Abstract 332

12:15 IL6ST RELATED IMMUNODEFICIENCY DISORDER: A CASE REPORT AND REVIEW OF LITERATURE.
F Velez-Bartolomei, D Zastrow, C McCormack, J Kohler, UD N, P Fisher, E Ashley, M Wheeler and J Bernstein, Stanford, CA. Stanford University-School of Medicine

Abstract 333

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Neonatology General IV
All Saints Church, Seccombe Hall
Mariana Baserga and Sunah Hwang, Presiding

10:15 PRENATAL AND POSTNATAL INFLAMMATION-RELATED RISK FACTORS FOR RETINOPATHY OF PREMATURENESS.
DEVELOPMENT OF AI DEEP LEARNING ALGORITHMS FOR THE QUANTIFICATION OF RETINOPATHY OF PREMATURENESS.
P Touch, Y Wu, Y Kihara, E Zepeda, TB Gillette, MT Cabrera and A Lee, Seattle, WA. University of Washington (WSMRF)

LENGTH OF STAY AND HOSPITAL COSTS AMONG NEONATES WITH PATENT DUCTUS ARTERIOSUS AND BRONCHOPULMONARY DYSPLASIA IN THE UNITED STATES 2003-2012.
T De Beritto, A Song, A Lakshmanan, D Dukhovny, S Noori, P Friedlich and L Yieh, Los Angeles, CA; Portland, OR. LAC+USC Medical Center, Keck School of Medicine, University of Southern California

Philip Sunshine State-of-the-Art Lecture:
CURRENT AND EMERGING CONCEPTS FOR CORD MANAGEMENT IN DEPRESSED NEWBORNS.
Anup Katheria, Sharp Mary Birch Hospital for Women and Newborns

IMPACT OF MANAGEMENT OF PATENT DUCTUS ARTERIOSUS ON LOW BIRTH WEIGHT INFANTS.
AR Magsipoc, P Agrawal, Y Kang, P Jung, AI Banerji, AO Hopper and D Deming, Loma Linda, CA. Loma Linda University (WSMRF)

VALIDATING ESTIMATION OF FREE WATER NEEDS BASED ON SERUM SODIUM IN THE ELBW DURING THE FIRST WEEK OF LIFE.
MJ Hwang and W Lefkotiwz, Honolulu, HI. Kapiolani Women's and Children's Hospital Tripler Army Medical Center

LACK OF TREATMENT OF PATIENT DUCTUS ARTERIOSUS IN EXTREMELY IMMATURE INFANTS INCREASES MORTALITY.
Y Kang, P Agrawal, A Magsipoc, P Jung, AI Banerji, AO Hopper and D Deming, Redlands, CA; Loma Linda, CA. Loma Linda University (WSMRF)

CARDIOVASCULAR AND ORGAN PERFUSION CHANGES IN NEONATES UNDERGOING GASTROSCHISIS REPAIR.
J Shepherd, T Wu, S Soleymani, C Gayer and S Noori, Los Angeles, CA. Fetal and Neonatal Institute, Children’s Hospital Los Angeles, Keck School of Medicine of USC
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Nephrology and Hypertension
Green Room (Sunset Center)
Charles Edelstein and Stanley C. Jordan, Presiding

10:15  **IVIg REDUCES EFFICACY OF THERAPEUTIC MONOCLONALS THROUGH FC NEONATAL (FCRN) INTERACTIONS.**
SC Jordan, K Kucher, N Ammerman, J Choi and A Vo, West Hollywood, CA; East Hanover, NJ. Cedars-Sinai Medical Center (WSPR)

Abstract 341

10:30  **IN A MOUSE MODEL OF AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE (ADPKD), BOTH SIROLIMUS AND AN MTOR KINASE INHIBITOR DECREASE CYST VOLUME AND IMPROVE KIDNEY FUNCTION DESPITE DIFFERENTIAL EFFECTS ON SIGNALING AND APOPTOSIS.**
C Edelstein, N Brown, D Atwood and S Holditch, Aurora, CO. University of Colorado (WAP)

Abstract 342

10:45  **UNILATERAL NEPHRECTOMY FOR RECALCITRANT CHILDHOOD NEPHROTIC SYNDROME.**
P Kadam and D Matsell, Vancouver, BC, Canada. British Columbia Children's Hospital (WAP/WSCI Travel Award Winner)

Abstract 343
11:00  **KNOWLEDGE, ATTITUDES, AND BELIEFS ABOUT HYDRATION IN MARATHON RUNNERS.**

* N Namineni, DE Rifkin, P Garimella, OA Potok and J Ix, La Jolla, CA. University of California San Diego *(WAFMR/WAP/WSCI Student Subspecialty Award Winner)*

Abstract 344

11:15  **ACUTE KIDNEY INJURY AND ADMINISTRATION OF ALBUMIN IN HOSPITALIZED CHILDHOOD NEPHROTIC SYNDROME PATIENTS.**

* R Humphreys, C Zuurbier, J Sibley, M Catapang, D Matsell and C Mammen, Vancouver, BC, Canada; Amsterdam, Netherlands. BC Children's Hospital*

Abstract 345

11:30  **PREDNISONE DOSING IN CHILDHOOD NEPHROTIC SYNDROME: COMPARISON OF LONG AND SHORT INDUCTION CLINICAL PATHWAYS.**

* M Catapang, R Humphreys, C Mammen and D Matsell, Vancouver, BC, Canada. BC Children's Hospital*

Abstract 346

11:45  **RADIATION DOSE REDUCTION OF UNENHANCED CT SCAN LIMITED TO THE KIDNEYS FOR FOLLOW-UP OF ASYMPTOMATIC PATIENTS WITH KNOWN NEPHROLITHIASIS.**

* L Klimkiv, R Lamba, T Loehfelm, MT Corwin and G Fananapazir, Sacramento, CA. University of California, Davis*

Abstract 347

12:00  **PEDIATRIC RENAL BIOPSIES: CURRENT PRACTICE AND COMPLICATIONS AT A TERTIARY CARE CENTER.**

* R Dhatt, JN Tang, S Maroo, M Heran and C Mammen, Richmond, BC, Bahamas; Vancouver, BC, Canada. University of British Columbia *(WSMRF)*

Abstract 348

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*(Fellows and Jr. Faculty – Additional charge for lunch, $10)*
Leveraging your campus resources for funding and |
Neuroscience II
Studio 105 (Sunset Center)
Hermelinda Abcede, Presiding

10:15 CATECHOL-O-METHYLTRANSFERASE POLYMORPHISM VAL\textsuperscript{158}MET IS ASSOCIATED WITH DISTAL NEUROPATHIC PAIN IN HIV-ASSOCIATED SENSORY NEUROPATHY.

\textit{J Xu}, A Umlauf, S Letendre and R Ellis, La Jolla, CA. \textit{University of California, San Diego (WSMRF)}

Abstract 349

10:30 POST TRAUMATIC INDUCTION OF GUILLAIN BARRÉ SYNDROME.

\textit{S Malwane}, MD Young and A Stephens, Reno, NV. \textit{University of Nevada, Reno School of Medicine}

Abstract 350

10:45 TRANSCUTANEOUS NEUROMODULATION OF SPINAL CORD RESTORES BLADDER AND BOWEL FUNCTION AFTER SPINAL CORD INJURY.

\textit{K Latack}, P Gad, H Zhong, V Edgerton and E Kreydin, Los Angeles, CA; Downey, CA. \textit{Keck School of Medicine of USC (WSMRF)}

Abstract 351

11:00 INTERNET GAMING DISORDER (IGD): ASSOCIATIONS WITH CHANGES IN GRAY MATTER AND BEHAVIORS.

\textit{K Nikroo}, N Cheng, J Huang, S Lim, R Raghavan, S Rajpara and B Afghani, Los Angeles, CA; Irvine, CA. \textit{University of Southern California (WSMRF)}

Abstract 352


\textit{O Shauly}, DJ Gould and KM Patel, South Pasadena, CA; Los Angeles, CA. \textit{Keck School of Medicine of USC}

Abstract 353

11:30 A CASE OF ACUTE SPONTANEOUS EPIDURAL HEMATOMA.

\textit{N Hasan}, A Heidari, K Sabetian and H Rana, Bakersfield, CA. \textit{Kern Medical Center}
11:45 ISOLATED OPHTHALMOPLEGIA WITH POSITIVE GQ1B ANTIBODY TITERS.
NC Wesely, MD Young, S Malwane, N Quezada and A Stephens, Reno, NV. University of Nevada, Reno School of Medicine

12:00 SURGICAL TREATMENT OF SEIZURES REFRACTORY TO ANTI-SEIZURE MEDICATION IN THE PEDIATRIC POPULATION: A CLOSER LOOK AT THE LITERATURE.
J Kim, A Rane, C Jeong, A Mayorga, L Cline, E Zhang, A Elmashat and B Afghani, Los Angeles, CA; Irvine, CA. University of California, Los Angeles

12:15 AN EXAMINATION OF NEURAL NETWORKS IN ADOLESCENTS WITH AND WITHOUT SEVERE WORRY.
E Ogundipe, E Perks and B Mullin, Aurora, CO. University of Colorado School of Medicine

Abstract 356

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10:15  HISTORY OF RENAL TRANSPLANT DOES NOT PORTEND TO INCREASED MORTALITY IN DE NOVO BLADDER CANCER.
JS Johnson, B Launer, C O'Donnell, T Pshak and S Wilson, Denver, CO. University of Colorado Denver (WSMRF)
Abstract 358

10:30  DIFFERENCES IN MUSCLE QUALITY BETWEEN INDIVIDUALS WITH ACUTE AND CHRONIC SPINE PATHOLOGY.
G Ting, J Padwal, D Berry, E Englund, R Schuepbach, V Zlomislic, R Allen, S Garfin, M Farshad, S Ward and B Shahidi, San Diego, CA; Zurich, Switzerland. University of California San Diego
Abstract 359

10:45  THE SCALP DONOR SITE FOR_SPLIT-THICKNESS SKIN GRAFTING: A SYSTEMATIC REVIEW.
S Rokui, C Pawliuk and S Hynes, Vancouver, BC, Canada. University of British Columbia, British Columbia Children's Hospital Research Institute
Abstract 360

11:00  A 5 YEAR RETROSPECTIVE STUDY COMPARING RESULTS OF LAPAROSCOPIC VERSUS ROBOTIC INGUINAL HERNIA REPAIR.
M Delgado, JC Quispe, K Medani, C Wang and E Yung, Loma Linda, CA. Loma Linda University School of Medicine
Abstract 361

11:15  COMPREHENSIVE ANALYSIS OF RADIATION USE IN SURGERY AT A TERTIARY ACADEMIC HEALTHCARE SYSTEM.
AS Huh, JR Davis, H Boggs, UE Oyoyo, DV Farley, AM Abou-Zamzam, SC Kiang and RT Tomihama, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)
Abstract 362

11:30  HEAD SHAPE AFTER SAGITTAL CRANIOSYNOSTOSIS SURGERY: OPEN VS ENDOSCOPIC STRIP CRANIECTOMY WITH HELMET THERAPY.
H Crofts, P Mankowski, M Tamber and D Courtemanche, Vancouver, BC, Canada. University of British Columbia
Abstract 363

11:45  RISK FACTORS FOR MORTALITY IN PATIENTS WITH BLUNT MECHANISM AORTIC TRAUMA AT UCH: UC DENVER, MEMORIAL HOSPITAL COLORADO SPRINGS, MEDICAL CENTER OF THE ROCKIES.
12:00  COMPARISON OF DIFFERENT FOOT PEDAL ILLUMINATION STRATEGIES AND THEIR EFFECT UPON SPEED AND ACCURACY OF ACTIVATION AND DARK ADAPTATION.
H You, A Krause, A Li, JR Brown, AS Amasyali, J Smith, W Le, J Groegler, M Hajiha, M Alsyouf, P Stokes, D Baldwin and D Baldwin, Loma Linda, CA. Loma Linda University (WSMRF)

12:15  ASSOCIATION BETWEEN RETINAL MICROVASCULATURE ACROSS RACE AND AXIAL LENGTH.
JH Lee, R Voora, C Bowd, S Moghimi, M Moghadam, J Proudfoot and L Zangwill, La Jolla, CA. University of California San Diego (WSMRF)

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JOINT PLENARY SESSION
1:00-1:30 PM - Coffee and Dessert Buffet

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

Carmel Women’s Club
Friday, January 25, 2019
1:30 PM – 3:30 PM

Fred Buckner, Kevin Deane and Erika Fernandez, Presiding

1:30  WAP/WSCI MAYO SOLEY AWARD
Presenter: Melanie Cree-Green, University of Colorado
Recipient: Kristin Nadeau, University of Colorado

1:45  WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD
IMPACT OF ERYTHROPOIESIS STIMULATING AGENTS ON BEHAVIORAL MEASURES IN SCHOOL AGE CHILDREN BORN PRETERM.
S Cooper, C Batty, J Lowe, S Rossol, R Rieger and RK Ohls, Albuquerque, NM; Palo Alto, CA. University of New Mexico (WAFMR)

Abstract 367

2:00  WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD
IDEAS FOR CHANGE: FAMILY VIEWPOINTS FOR IMPROVING FOLLOW-UP AFTER NICU DISCHARGE.
A Yeh, K Kubicek, R Williams, M Robles, D Vanderbilt, C Mirzaian, P Friedlich, M Kipke and A Lakshmanan, Los Angeles, CA. USC/LAC+USC, LAC+USC Medical Center, Keck School of Medicine, Children's Hospital Los Angeles

Abstract 368

2:15  WAFMR OUTSTANDING INVESTIGATOR AWARD
TUMOR-STROMAL INTERACTIONS IN COLORECTAL CANCER TREATMENT.
C Garvey, E Spiller, S Kim and S Mumenthaler, Los Angeles, CA. University of Southern California

Abstract 369
2:30  WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD
NEONATAL CONGENITAL HEART DISEASE: A BIG DATA PERSPECTIVE
Martina Steurer-Muller, *University of California, San Francisco*

3:00  WSPR STANLEY WRIGHT MEMORIAL LECTURE
TBA
Stephen Kingsmore, *University of California San Diego*

3:30  ADJOURN

3:30  WSPR BUSINESS MEETING

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| 5:15 pm – 6:15 pm | David Rimoin Lectureship  
Precision Genome Modification in Biologic Systems  
Matthew Porteus, *Stanford University*  
Sunset Center – Carpenter Hall |
| 6:15 pm – 7:15 pm       | Dysmorphology Club  
Sunset Center – Carpenter Hall |
| 5:30 pm – 7:00 pm       | Meet the Mentors – WSMRF Happy Hour  
Complimentary appetizers  
All faculty, residents and students invited  
*Mulligan Public House*  
*Ocean & Dolores* |
| 6:00 pm – 7:00 pm       | WSPR Mead Johnson Nutrition Junior Faculty Travel  
Award Reception &  
Western Perinatal Club Reception  
*Open to all WSPR, AAP, and CAN Members and Guests*  
*Pacific Room, LaPlaya Hotel* |
| 7:00 pm – 8:00 pm       | Western Perinatal Club Briefing  
*Sponsored by the Perinatal Sections of AAP Districts VIII and IX, the CAN, and Mead Johnson Nutrition*  
*Little Airway, Big Problem: Improving Neonatal Intubation Safety*  
Taylor Sawyer, *University of Washington*  
*Pacific Room, LaPlaya Hotel* |
| 6:30 pm – 8:30 pm       | WAP/WSCI Council Meeting  
*(by invitation only)*  
* Cantinetta Luca - Wine Room  
*Dolores St. and Ocean Ave.* |
Behavior and Development II
Kathleen Angkustsiri and Nicole Tartaglia, Presiding

8:00 CROSSFIT KAMP: AN INTERVENTION TO IMPROVE SOCIAL SKILLS IN CHILDREN WITH AUTISM.
P Kaluzhny, K Angkustsiri, R Hansen, M Solomon and K Mattern-Baxter, Sacramento, CA. University of California Davis (WSPR)

8:15 PHYSICAL ACTIVITY AND QUALITY OF LIFE IN ADOLESCENT GIRLS WITH TURNER SYNDROME.
S Davis, B Zieba, W Karakash and S Howell, Denver, CO. University of Colorado (Mallinckrodt Junior Faculty Travel Award - Neonatal Pulmonary) (WSPR)

8:30 EVALUATION OF SOCIABILITY AND ANXIETY-RELATED BEHAVIORS IN A MOUSE MODEL OF ANGELMAN SYNDROME AT TWO AGES.
R Dutta, M Schultz and J Crawley, Sacramento, CA. University of California Davis (WSPR Abbott Nutrition Subspecialty Award) (WSMRF)

8:45 EXPLORING THE ASIEP AS AN OUTCOME MEASURE OF SOCIAL INTERACTIONS IN FXS.
L Cordeiro, M Braden, L Coan, L Crawford and N Tartaglia, Aurora, CO; Colorado
9:00 OBSERVED PARENTING AND CHILD ANXIETY IN CHROMOSOME 22Q11.2 DELETION SYNDROME.
A Nrusimha, TJ Simon, PD Hastings and K Angkustsiri, Sacramento, CA; Stanford, CA.
Stanford University (WSPR Mead Johnson Travel Award Winner) (WSMRF)

9:15 PRELIMINARY EVALUATION OF DEVELOPMENTAL SCREENING MEASURES IN HIGH-RISK INFANTS WITH SEX CHROMOSOME TRISOMY.
N Tartaglia, L Crawford, R Wilson, L Cordeiro, L Pyle and J Janusz, Aurora, CO; Santa Cruz, CA. University of Colorado School of Medicine, Children's Hospital Colorado (WSPR)

9:30 PREVALENCE OF PRE-PREGNANCY DEPRESSION AND RECEIPT OF ANTICIPATORY GUIDANCE ABOUT DEPRESSION AMONG COLORADO MOTHERS WITH CHRONIC CONDITIONS.
E Awoniyi, S Hwang, A Schiffmacher and A Juhl, Denver, CO. University of Colorado School of Medicine (WSPR)

9:45 DO MOTION PERCEPTION AND BINOCULAR FUNCTION SHARE COMMON PROCESSING MECHANISMS?
F Javadian, A Chakraborty and D Giaschi, Vancouver, BC, Canada. University of British Columbia (WSMRF)

Break – 10:00 am – 10:15 am
IW McCracken, Bozeman, MT. University of Washington School of Medicine (WSMRF)
Abstract 380

8:45  A COMMUNITY CONFERENCE: ADVERSE CHILDHOOD EXPERIENCES AND THEIR IMPACT ON SUBSTANCE USE.
SM Doe-Williams, Moscow, ID. University of Washington School of Medicine
Abstract 381

9:00  REDUCING DRUG OVERDOSE DEATHS IN BENEWAH COUNTY BY INCREASING TRIBAL POLICE ACCESS TO INTRANASAL NARCAN.
B Bergam, Spokane, WA. University of Washington School of Medicine
Abstract 382

9:15  YOU CAN’T BE WHAT YOU CAN’T SEE: A COLLABORATIVE PARTNERSHIP TO IMPROVE SELF-EFFICACY AND RESILIENCE IN IMPOVERISHED MINORITY ADOLESCENT FEMALES.
A Christopher, B Umanzor, M Cordova, A Carreon, K Colwell and R Kinman, Fresno, CA. UCSF-Fresno (WSPR)
Abstract 383

9:30  TRAUMA INFORMED CARE: INCREASING KNOWLEDGE OF TRAUMA INFORMED PRACTICES AMONG MEDICAL STAFF WORKING WITH VULNERABLE POPULATIONS IN SEATTLE, WASHINGTON.
A Smith, Seattle, WA. University of Washington (WSMRF)
Abstract 384

9:45  INCREASING BREAST-FEEDING CONTINUATION RATES AMONGST WOMEN, INFANT, CHILD PARTICIPANTS IN CUT BANK, MT VIA PEER COUNSELING.
SK Clement, Bozeman, MT. University of Washington School of Medicine
Abstract 385

Break – 10:00 am – 10:15 am

Endocrinology and Metabolism III
Green Room (Sunset Center)
Jorge N. Artaza and Kristen J. Nadeau, Presiding

8:00  SLEEP DURATION, QUALITY, AND SLEEP-DISORDERED BREATHING ARE ASSOCIATED WITH HEPATIC STEATOSIS AND INSULIN RESISTANCE IN ADOLESCENT GIRLS WITH OBESITY AND PCOS.
H Rahat, Y Garcia-Reyes, A Carreau, KJ Nadeau, M Cree-Green and S Simon, Aurora, CO. Children's Hospital Colorado, University of Colorado Anschutz Medical Campus (WSMRF)
Abstract 386
8:15  PLASMA OXYLIPIN AND ENDOCANNABINOIDS PROFILE IN HISPANIC AND CAUCASIAN SUBJECTS WITH NONALCOHOLIC FATTY LIVER DISEASE: A PILOT STUDY.
T Mazi, CL Bowlus, S Sarkar and V Medici, Davis, CA. UC Davis

Abstract 387

8:30  DIETARY INTAKE IS ASSOCIATED WITH LIVER FAT IN OBESE ADOLESCENT GIRLS WITH PCOS.
MA Ware, J Karr, A Scherzinger, Y Garcia-Reyes, H Rahat, A Carreau, L Pyle, KJ Nadeau and M Cree-Green, Denver, CO. University of Colorado, Anschutz Medical Campus (WSMRF)

Abstract 388

8:45  EXCESS DE NOVO LIPOGENESIS MEDIATES HEPATIC STEATOSIS IN OBESE ADOLESCENTS WITH POLYCYSTIC OVARIAN SYNDROME.
J Stuppy, EJ Parks, A Carreau, Y Garcia-Reyes, H Rahat, DA Wagner, KJ Nadeau and M Cree-Green, Aurora, CO; Columbia, MO; Nashua, NH. University of Colorado (WAFMR)

Abstract 389

9:00  IN VIVO MOLECULAR INVESTIGATION OF TAURINE AS A NOVEL THERAPEUTIC APPROACH TO TREATING GLUTATHIONE-DEFICIENT DISEASES IN A MOUSE MODEL OF HOMOCYSTINURIA.
DD Kim, H Jiang and K Maclean, Highlands Ranch, CO. University of Colorado School of Medicine, Rock Canyon High School (WSMRF)

Abstract 390

9:15  ELECTRONIC CIGARETTES EXACERBATE WESTERN DIET INDUCED HEPATIC STEATOSIS: ROLE OF CYP450 FAMILY OF PROTEINS AND ALTERED LIPID METABOLISM.
DJ Nathan and T Friedman, Hawthorne, CA; Los Angeles, CA. Charles R. Drew University of Medicine and Science (WAFMR/WAP/WSCI Student Subspecialty Award Winner)

Abstract 391

9:30  CAPILLARY LIPOPROTEINS BY POINT-OF-CARE ANALYZER VS. VENOUS BLOOD VALUES: CLOSE ENOUGH?
LW Raymond, K Pentek, D Roy and SE Isaacs, Charlotte, NC. University of North Carolina at Chapel Hill Atrium Health (WAFMR)

Abstract 392

9:45  TRANSCRIPTIONAL REGULATION OF SPTY2D1, A NOVEL DETERMINANT OF PLASMA CHOLESTEROL LEVELS.
M Atwood, C Bedoya and M Peterfy, Lebanon, OR; Pomona, CA. Western University of Health Sciences

Abstract 393

Break – 10:00 am – 10:15 am

79
8:00  EFFECTS OF FASCIAL STRETCH THERAPY ON PAIN INDEX AND ACTIVITIES OF DAILY LIVING IN PATIENTS WITH CHRONIC NON-SPECIFIC LOW BACK PAIN.
O Ayotunde, P Standley, P Kang, A Frederick and C Frederick, Chandler, AZ. University of Arizona College of Medicine Phoenix (WSMRF)
Abstract 394

8:15  PERFORMANCE OF THE LOS ANGELES MOTOR SCALE IN THE PREHOSPITAL TRIAGE OF LARGE VESSEL OCCLUSION STROKE.
T Haffner, J Emert, B Feinstein, P Kudenchuk and T Rea, Seattle, WA. University of Washington School of Medicine
Abstract 395

8:30  MEDICAL STUDENT PERCEPTIONS OF PARENTHOOD TIMING.
M Berroth, L Miura, K Robertson, A Feryn, J Hui and J Lapidus, Portland, OR; Lebanon, OR. Oregon Health & Science University
Abstract 396

8:45  CLINICIAN RECOMMENDATIONS OF TECHNOLOGY FOR WEIGHT LOSS.
JL Rosenbaum, SJ Melhorn and E Schur, Seattle, WA. University of Washington (WAP/WSCI Travel Award Winner)
Abstract 397

9:00  LIMITATIONS OF A SYNTHETIC PATIENT POPULATION GENERATOR USING EMR DATA.
E Husarcik and M Kahn, Aurora, CO. University of Colorado School of Medicine
Abstract 398

9:15  FACTORS AFFECTING FRACTURE-RELATED DISABILITY LEAVE.
W Curtis and M Marmor, Los Angeles, CA; San Francisco, CA. Keck School of Medicine of the University of Southern California
Abstract 399

9:30  SYSTEMIC REVIEW OF 30 DAY INTERNAL MEDICINE HOSPITAL READMISSIONS; RISK FACTORS AND PREVENTION AUTHOR.
H Saab, Bakersfield, CA. Kern Medical (WAFMR)
Abstract 400

9:45  EVALUATION OF END-OF-LIFE PREFERENCES OF PATIENTS WITH AMYLOIDOSIS.
VM Contreras, Stanford, CA. Stanford School of Medicine
Abstract 401

Break – 10:00 am – 10:15 am
Genetics II
Rehearsal Room (Sunset Center)
Dave Viskochil and Kristen Wigby, Presiding

8:00 TESTING READ THROUGH COMPOUND SAFETY TO TREAT HERITABLE PULMONARY ARTERIAL HYPERTENSION.
J Liu, Y Wang, J Liu, R Sakurai, C Yu, S Shah, E Munoz and V Rehan, Torrance, CA. LA Biomed Research Institute at Harbor-UCLA Medical Center
Abstract 402

8:15 ATTEMPTED TREATMENT OF NEONATAL LETHAL CPT II.
B Costello, D Carbine and M Willis, San Diego, CA. Naval Medical Center San Diego
Abstract 404

8:30 AUTISM IN THE AMISH: EXOME SEQUENCING UNVEILS NOVEL CODING VARIANT.
CG Tise, JW Kleinberger, MA Pavlovich, ML Daue, DP Loesch, JG Reid, JD Overton, JR O’Connell, JA Perry, LM Yerges-Armstrong, AR Shuldiner and NA Zaghloul, Baltimore, MD; Stanford, CA; Tarrytown, NY. Stanford University
Abstract 405

8:45 FETAL NEURORADIOLOGIC PHENOTYPING MAY LEAD TO EARLIER DIAGNOSIS IN CONDITIONS IMPACTING THE MIDBRAIN-HINDBRAIN.
R Gates, H Byers, C Guimaraes and H Dahmoush, Palo Alto, CA. Stanford University
Abstract 406

9:00 NOVEL DE-NOVO PATHOGENIC VARIANT IN PTEN GENE CAUSES MALIGNANT MIXED CELL OVARIAN TERATOMA.
C Locke, S Aradhya, A Pawar and S Shankar, Sacramento, CA; San Francisco, CA. UC Davis
Abstract 407

9:15 WILLIAM'S SYNDROME WITH EXTENSIVE INFILTRATIVE BASAL CELL CARCINOMA.
M Azzam and M Mosca, Reno, NV. University of Nevada, Reno School of Medicine
Abstract 408

Break – 10:00 am – 10:15 am

Neonatology General V
Carpenter Hall
Kara L. Calkins and Camille Fung, Presiding

8:00 IMPLEMENTATION OF A PROBIOTIC PROTOCOL TO REDUCE NECROTIZING ENTEROCOLITIS.
MK Sekhon and B Yoder, Salt Lake City, UT. University of Utah (WSPR)
Abstract 409
8:15  PROGRESS TOWARDS IMPROVING SYSTEM CAPACITY TO USE BUBBLE CONTINUOUS POSITIVE AIRWAY PRESSURE (BCPAP) TO TREAT NEONATES WITH RESPIRATORY DISTRESS IN NAKURU, KENYA.
N Switchenko, J Mairura, V Munene, P Tsimbiri, A Anderson-Berry, B Fassl and E Kibaru, Salt Lake City, UT; Nakuru, Kenya; Omaha, NE. University of Utah

Abstract 410

8:30  HELPING BABIES BREATHE – AN EVALUATION OF PROGRAM COMPLIANCE IN RURAL INDIA.
T Hohnholt, B Tasevac, A Judkins, JW Thomas and B Fassl, Salt Lake City, UT.
University of Utah

Abstract 411

8:45  THE IMPACT OF A BABY FRIENDLY INITIATIVE ON NEONATAL HYPOGLYCEMIA.
MS Oren, W Barkhuff, B Stefanescu, A Stefanescu and T DuPont, Albuquerque, NM; Burlington, VT; New Orleans, LA. University of New Mexico

Abstract 412

9:00  ASSESSMENT OF QUALITY IMPROVEMENT INTERVENTIONS ON NEWBORN CARE DELIVERY IN RURAL INDIA.
B Tasevac, T Hohnholt, A Judkins, JW Thomas and B Fassl, Salt Lake City, UT.
University of Utah

Abstract 413

9:15  GASTRIC RESIDUAL ALTERNATIVE MANAGEMENT QUALITY IMPROVEMENT STUDY: IMPACT OF ELIMINATION OF ROUTINE GASTRIC RESIDUAL EVALUATION ON FEEDING OUTCOMES AND INTERVENTIONS.
BM Stefanescu, R Kiser, S Patel, D Henderson, J Valencia and J Fuller, Albuquerque, NM. University of New Mexico

Abstract 414

9:30  NEWBORN INTERVENTION PROMOTING PRETERM INFANT EATING READINESS.
A Qamruddin, G Duran, A Stefanescu, EA Boehm, V Parashette and BM Stefanescu, Albuquerque, NM; New Orleans, LA. University of New Mexico

Abstract 415

9:45  TIME TO ANTIBIOTIC ADMINISTRATION IN THE NEONATAL INTENSIVE CARE UNIT: IDENTIFICATION OF BARRIERS TO IMPROVE WORKFLOW.
S Iqbal and J Weber, Sacramento, CA. University of California Davis

Break – 10:00 am – 10:15 am
8:00  HYPEROXIA INDUCES GOLGI STRESS IN RAT ALVEOLAR TYPE II CELLS.
S Kalyanam, R Sakurai, B Diaz, Y Wang, J Liu and V Rehan, Long Beach, CA. Harbor-UCLA (WSPR Abbott Nutrition Subspecialty Award)

Abstract 417

8:15  DIFFERENTIAL ADIPOGENIC PROGRAMMING IN MALE AND FEMALE INTRAUTERINE GROWTH RESTRICTED RAT OFFSPRINGS.
S Sreekantha, Y Wang, R Sakurai, J Liu and V Rehan, Torrance, CA. Harbor-UCLA Medical Center

Abstract 418

8:30  DEEP PROFILING OF THE NEONATAL IMMUNE SYSTEM.
LS Peterson, X Han, K Ando, E Ganio and B Gaudilliere, Palo Alto, CA. Stanford University

Abstract 419

8:45  CHRONIC GLUCAGON INFUSION DOES NOT INCREASE INSULIN SECRETION IN LATE GESTATION FETAL LAMBS.
SN Cilvik, B Boehmer, S Shaw, W Hay, L Brown, SR Wesolowski and P Rozance, Aurora, CO. University of Colorado School of Medicine (AFMR Henry Christian Awardee)

Abstract 420

9:00  ACTIVITY OF SARCOLEMMAL SYSTEM A AND L AMINO ACID TRANSPORTERS AND SIGNALING PATHWAYS REGULATING MUSCLE PROTEIN SYNTHESIS IN GROWTH RESTRICTED FETAL SHEEP.
J Stremmin, TL Powell, T Jansson and L Brown, Aurora, CO. University of Colorado

Abstract 421

9:15  EXPERIMENTALLY INCREASING FETAL INSULIN CONCENTRATIONS INCREASES PANCREATIC B-CELL AREA IN GROWTH RESTRICTED FETAL SHEEP.
P Lutz, B Boehmer, D LoTurco, S Shaw, SR Wesolowski, L Brown and P Rozance, Denver, CO. University of Colorado

Abstract 422

9:30  DIURNAL VARIATION IN MICROBIOME DYSBIOSIS AFFECTED BY DIET IN POSTNATAL INTRA-UTERINE GROWTH RESTRICTED RAT OFFSPRING.
LV Maggiotto, B Shin, A Ganguly, V Lagishetty, S Ghosh, J Jacobs and SU Devaskar, Los Angeles, CA. UCLA (WSPR)

Abstract 423

9:45  MECHANISM UNDERLYING INCREASED EXTRACELLULAR MATRIX
DEPOSITION IN PERINATALLY NICOTINE EXPOSED OFFSPRING.
A Ansari, T Chuang, R Sakurai, C Yu, J Liu, Y Wang, O Khorram and V Rehan, Torrance, CA. LA Biomed Research Institute at Harbor-UCLA Medical Center (WAFMR)

Abstract 424

Break – 10:00 am – 10:15 am

Pulmonary and Critical Care II
Promenade Lobby (Sunset Center)
Brooks T. Kuhn and Gustavo Matute-Bello, Presiding

8:00 HIGH LUNG ALLOCATION SCORES DO NOT PRECLUDE IMPROVEMENT IN HEALTH-RELATED QUALITY OF LIFE AFTER LUNG TRANSPLANTATION.

Abstract 425

8:15 RECURRENT EPISODES OF DIFFUSE ALVEOLAR HEMORRHAGE IN SYSTEMIC SCLEROSIS 30 DAYS APART.
H Saab and T Bajaj, Bakersfield, CA. Kern Medical

Abstract 426

8:30 FRAILTY IS ASSOCIATED WITH GREATER IMPAIRMENTS IN HEALTH-RELATED QUALITY OF LIFE AFTER LUNG TRANSPLANTATION THEN BEFORE.

Abstract 427

8:45 A META-ANALYSIS OF BIOMARKERS IN ASTHMA-COPD OVERLAP.
F Chau-Etchepare, M Wilson and AA Zeki, Mather, CA; Sacramento, CA. UC Davis VA Mather Medical Center (CTS)

Abstract 428

9:00 PLASMA BIOMARKERS OF SURVIVAL IN PATIENTS WITH INTERSTITIAL LUNG DISEASE.
S Alqalyoobi, A Linderholm, R Harper, B Morrissey and J Oldham, Sacramento, CA. University of California-Davis Medical Center (California Thoracic Society Scholar Winner) (WAFMR)

Abstract 429

9:15 State-of-the-Art Lecture:
FRAILTY IN ADVANCED LUNG DISEASE AND LUNG TRANSPLANTATION: A STORY OF HOW THIS FOCUS OF RESEARCH BEGAN.
Jonathan P. Singer, University of California, San Francisco
Case Reports II
Chapman #4 (Sunset Center)
W. Conrad Liles, Presiding

10:15 STREPTOCOCCUS AGINOSUS INFECTIVE ENDOCARDITIS DECADES AFTER ROSS PROCEDURE.
A Heidari, F Joolhar and R Boyer, Bakersfield, CA. Kern Medical

10:30 REACTIVE INFECTIOUS MUCOCUTANEOUS/MUCOSAL-PREDOMINANT ERUPTION: A CASE STUDY ON A NEWLY RECLASSIFIED MUCOCUTANEOUS SYNDROME.
M Mosca and M Azzam, Reno, NV. University of Nevada Reno School of Medicine

10:45 STEROID-INDUCED HYPERTROPHIC CARDIOMYOPATHY IN A TERM INFANT WITH SHOCK.
M Ringle, L Peterson, K Ryan, K Van Meurs, N Yamada and S Bhombal, Palo Alto, CA. Stanford University

11:00 A RARE CASE OF CRYPTOCOCCUS GATTII MENINGITIS AND SAGITTAL THROMBOSIS IN AN HIV HOST REFRACATORY TO TREATMENT.
A Targovnik, A Heidari, N Khan, B Andruszko, J Okudo and R Johnson, Bakersfield, CA. UCLA-Kern Medical
11:15  NECROTIZING RHIZOPUS OF THE ABDOMINAL WALL IN AN
EXTREMELY LOW BIRTH WEIGHT NEONATE.
A Arias-Shah, B Gandhi and A Arunachalam, Houston, TX. Baylor College of Medicine/
Texas Children's Hospital

Abstract 434

11:30  PULMONARY COCCIDIOIDOMYCOSIS WITH INTRAPARENCHYMAL,
OSSEOUS, AND CUTANEOUS DISSEMINATION.
N Sheikhan, J Coleman, A Govindarajan, R Johnson and A Heidari, Bakersfield, CA.
Kern Medical

Abstract 435

11:45  NECROTIZING ENTEROCOLITIS AFTER INTRAVENOUS CONTRAST IN A
TERM NEWBORN.
J Persch, D Nguyen and M Haight, Fresno, CA. UCSF Fresno

Abstract 436

Health Care Research III
Babcock #6 (Sunset Center)
Maralyssa Bann, Presiding

10:15  DESCRIPTION OF THE 22Q11.2 DELETION SYNDROME PATIENT
POPULATION IN BRITISH COLUMBIA AND CHARACTERIZATION OF
THEIR CARE NEEDS.
M Boroditsky, R Courtemanche, D Courtemanche and CA Loock, Vancouver, BC,
Canada. University of British Columbia (WSMRF)

Abstract 437

10:30  POOR UNDERSTANDING OF PREGNANCY ASSOCIATED HEALTH RISKS
BY PREGNANT WOMEN.
M Mellon, AF Schiller, A Nelson and H Stohl, Lebanon, OR; Pomona, CA; Torrance, CA.
Western University of Health Sciences COMP-Northwest (WSMRF)

Abstract 438

10:45  THE IMPACT OF OBESITY ON 30-DAY HOSPITAL READMISSION RISK
FACTORS AMONG ASTHMATIC ADULTS.
P Vanjara, V Nguyen, E Philippas, F Dong and A Sathananthan, Pomona, CA. Western
University of Health Sciences

Abstract 439

11:00  SURGERY AND SOCIETY: EMERGING TRENDS IN THE SOCIAL
DETERMINANTS OF HEALTH AND ADVERSE CHILDHOOD EXPERIENCES
AMONG THE PEDIATRIC PATIENT POPULATION IN BRITISH COLUMBIA.
B He, TK Singh, D Duffý, D Courtemanche and CA Loock, Vancouver, BC Canada.
University of British Columbia (WSMRF)

Abstract 440
11:15 CARDIOVASCULAR DISEASE RISK ASSESSMENT IN TRANSGENDER PATIENTS WITH EPIC.
S Leong, Reno, NV. University of Nevada, Reno

Abstract 441

11:30 ENDOMETRIOSIS AND NEGATIVE PERCEPTION OF THE MEDICAL PROFESSION.
N Ng, K Wahl, N Orr, H Noga, C Williams, C Allaire, M Bedaiwy and P Yong, Vancouver, BC, Canada. University of British Columbia (WSMRF)

Abstract 442

11:45 ENROLLMENT IN WIC IS ASSOCIATED WITH POSITIVE GROWTH AND DEVELOPMENTAL OUTCOMES IN PRETERM INFANTS AT A SAFETY NET HOSPITAL AFTER DISCHARGE.
U Parti, A Lakshmanan, A Song, N Flores, D Vanderbilt, P Friedlich, R Williams and M Kipke, Glendora, CA; Los Angeles, CA. University of Southern California (WAFMR/WAP/WSCI Student Subspecialty Award Winner)

Abstract 443

Hematology and Oncology III
Green Room (Sunset Center)
Everardso Cobos and Thomas Deloughery, Presiding

10:15 VIRUS-LIKE PARTICLE DISPLAY ENHANCES THE IMMUNOGENICITY OF A CANDIDATE VACCINE FOR GLIOBLASTOMA.
T Clocksin, J Peabody and B Chackerian, Albuquerque, NM. University of New Mexico School of Medicine

Abstract 444

10:30 DECISION-MAKING ABOUT GENETIC TESTING BY WOMEN WITH A PERSONAL AND FAMILY HISTORY OF BREAST CANCER.
DE Scott, S Friedman, M Telli and A Kurian, Pomona, CA; Stanford, CA; Tampa, FL. Western University of Health Sciences Stanford University (WSMRF)

Abstract 445

10:45 CRISPR-CAS9-BASED EPIGENOME EDITING TO UPREGULATE THE P14ARF TUMOR SUPPRESSOR FOR SKIN CANCER INHIBITION.
K Tuttle, JW Lee, D Rokunohe, K Bradwisch, J Walsh, O Denisenko, K Bomsztyk and M Kawasumi, Seattle, WA. University of Washington (WSMRF)

Abstract 446

11:00 FACTORS AFFECTING TIME FROM DIAGNOSIS TO TIME TO TREATMENT IN LUNG CANCER PATIENTS AT THE UNIVERSITY OF WASHINGTON MEDICAL CENTER.
J Dawson, C Ellbogen, S Patel and K Baker, Seattle, WA. University of Washington School of Medicine

Abstract 447
11:15 UTILIZING PROSTATE ORGANOIDS AS A MODEL TO EVALUATE
REGULATORS OF BASAL STEM/PROGENITOR SELF-RENEWAL AND
DIFFERENTIATION.
A Yuafa, P Crowell, T Hashimoto, J Diaz, K Heering, B Feldmar, A Cabrera, H Navarro, J
Fox and AS Goldstein, Riverside, CA; Los Angeles, CA. UCLA UC Riverside (WA FMR)
Abstract 448

11:30 TESTICULAR CANCER PATIENT INFORMATION: AN EVALUATION OF
THE QUALITY OF INFORMATION RESOURCES AVAILABLE.
S Yeo and P Ingledew, Vancouver, BC, Canada. University of British Columbia
(WSMRF)
Abstract 449

11:45 ARCTIGENIN AS A NOVEL ANTI-INFLAMMATORY AGENT FOR
METASTATIC COLON CANCER TREATMENT.
E Karapetyan, Glendale, CA. Charles R. Drew University
Abstract 450

Immunology and Rheumatology II
Conductor's Room
Jennifer Barton and Maureen McMahon, Presiding

10:15 PLATELET S100A8/A9 IS UPREGULATED IN PATIENTS WITH
GRANULOMATOSIS WITH POLYANGIITIS AND REGULATES VASCULAR
INFLAMMATION.
B Berger, L Guo, J Rowley, N Tolley, P Crane, C Koening and M Rondina, Salt Lake
City, UT. University of Utah School of Medicine
Abstract 451

10:30 PLACENTAL HTRA1 CLEAVES ALPHA-1-ANTITRYPSIN AND GENERATES
A NET-INHIBITORY PEPTIDE.
JS Bircher, RA Campbell, MJ Cody, Y Kosaka and CC Yost, Salt Lake City, UT.
University of Utah (WAP/WSCI Travel Award Winner)
Abstract 452

10:45 TARGETED LIPOSOMAL DELIVERY OF TYROSINASE-RELATED PROTEIN-
2 PEPTIDE IMMUNOTHERAPY TREATMENT FOR MELANOMA IN MICE.
MT Middleton, A Francian and M Kullberg, Seattle, WA; Anchorage, AK. University of
Washington (WS MRF)
Abstract 453

11:00 THIOREDOXIN-1 IS AN INFLAMMATORY MARKER FOR MACROPHAGES.
CY Itoh, G Babunovic and B Bryson, Cambridge, MA; Boston, MA. Massachusetts
Institute of Technology, Harvard T.H. Chan School of Public Health, Ragon Institute
(WSMRF)
Abstract 454
11:15 COMBINATORIAL IMMUNOTHERAPY WITH ADJUNCTIVE OMALIZUMAB FOR PEANUT ALLERGY.
*J Lawicki*, H Dhillon, S Arumani, C Kung, M Flores, S Jubboori and B Afghani, Medford, MA; Irvine, CA. *Tufts University of California, Irvine (WSMRF)*

Abstract 455

11:30 RELAPSING POLYCHONDRIITIS PRESENTING AS OPTIC NEURITIS AND ASPECTIC MENINGITIS.
*D Contreras*, V Bali, K Sabetian, B Huynh, S Sofinski and A Heidari, Bakersfield, CA. *Kern Medical*

Abstract 456

11:45 FIRST REPORTED CASE OF MALIGNANT OTITIS EXTERNAL SECONDARY TO TREATMENT WITH SECUKINUMAB.
*C D'Assumpcao*, G Asefi, R Sidhu and A Heidari, Bakersfield, CA. *Kern Medical - UCLA*

Abstract 457

Neonatology General VI
Carpenter Hall
*Alison Chu and Christian C. Yost, Presiding*

10:15 ACUTE BILIRUBINENCEPHALOPATHY: A REGISTRY AND DATABASE INCLUDING NEXT GENERATION SEQUENCING OF POTENTIAL GENETIC ASSOCIATIONS.
*TM Bahr*, RD Christensen, AM Agarwal, TI George and VK Bhutani, Salt Lake City, UT; Stanford, CA. *University of Utah*

Abstract 458

10:30 HOSPITAL READMISSION AND LONG-TERM MORBIDITIES OF NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA TREATED IN CHILDREN'S HOSPITALS.
*N Flores-Fenlon*, A Song, R Chapman, L Kelley-Quon, P Friedlich and A Lakshmanan, Los Angeles, CA. *LAC+USC Medical Center, Keck School of Medicine of USC*

Abstract 459

10:45 OUTCOMES OF NEONATES EVALUATED BY A NEONATAL NEUROCITICAL CARE SERVICE.
*AM Smith*, EE Rogers and HC Glass, Larkspur, CA. *University of California, San Francisco*

Abstract 460

11:00 NEURODEVELOPMENTAL OUTCOMES IN EXTREMELY LOW BIRTH WEIGHT INFANTS EXPOSED TO GRADED OXYGEN SATURATION TARGETS.
*LE Yaeger* and SR Sardesai, Glendale, CA. *LAC+USC Medical Center*

Abstract 461
11:15 GROWTH TRAJECTORIES IN INFANTS WITH GASTROINTESTINAL ANOMALIES FOR THE FIRST TWO YEARS OF LIFE.  
K Strobel, I Purdy, M Sim and KL Calkins, Los Angeles, CA. UCLA Medical Center  
Abstract 462

11:30 NEURODEVELOPMENTAL OUTCOMES OF PRETERM INFANTS WITH CEREBELLAR HEMORRHAGE.  
MM Prasad, LK Lee, M Shiroishi, L Vachon, R Ramanathan and R Cayabyab, Saratoga, CA; Los Angeles, CA. University of Southern California  
Abstract 463

11:45 LENGTH OF STAY AND HOSPITAL COSTS IN NEONATES WITH ESOPHAGEAL ATRESIA 2005-2015.  
L Yieh, A Song, D Dukhovny, P Friedlich, C Gong, L Kelley-Quon and A Lakshmanan, Los Angeles, CA; Portland, OR. Fetal and Neonatal Institute, Children's Hospital Los Angeles, Keck School of Medicine, University of Southern California  
Abstract 464

Neonatology - Perinatal Biology III  
Rehearsal Room (Sunset Center)  
Stephanie S. Chassen and Camille Fung, Presiding

10:15 ASSESSMENT OF THE NUMBER OF NEURONAL PROGENITOR CELLS IN THE BRAIN OF FORMER PRETERM LAMBS.  
A Nabi, L Pettet, A Rebentisch, Z Wang, E Dawson, M Dahl, B Yoder, D Null and K Albertine, Salt Lake City, UT; Davis, CA. University of Utah (WSMRF)  
Abstract 465

10:30 MATERNAL DHA ALTERS FATP2 AND FABP4 MRNA IN THE IGUR RAT PLACENTA.  
E Barrett, J Whitham, R Kaddu, H Wang and L Joss-Moore, Highland, UT. University of Utah  
Abstract 466

10:45 THE PPARGAMMA AGONIST ROSIGLITAZONE DOWN REGULATES THE ANGIOTENSIN 2 RECEPTOR IN THE NORMAL NEWBORN LAMB.  
S Siegel, B Ibe and S McBride, Malibu, CA; Los Angeles, CA. L.A. Biomedical Research Institute at Harbor-UCLA, Charles R. Drew University of Medicine and Science  
Abstract 467

11:00 LONG TERM HYPOXIA NEGATIVELY INFLUENCES CA²⁺ SIGNALING IN BASILAR ARTERIAL MYOCYTES OF FETAL AND ADULT SHEEP.  
CJ Reid, M Romero, A Dobyns, LD Longo, CG Wilson, C Hessinger, L Zhang and S Wilson, Carson City, NV; Loma Linda, CA. University of Nevada Reno School of Medicine  
Abstract 468
11:15 POSTNATAL GROWTH RESTRICTION INDUCES PULMONARY HYPERTENSION IN NEONATAL RATS VIA INTESTINAL DYSBIOSIS AND ELEVATED TRIMETHYLAMINE N-OXIDE.
K Halloran, S Wedgwood, S Lakshminrusimha and M Underwood, Sacramento, CA. UC Davis School of Medicine

Abstract 469

11:30 TOLL-LIKE RECEPTOR 4 ACTIVATION IN POSTNATAL GROWTH RESTRICTION RELATED PULMONARY HYPERTENSION.
K Gerard, S Wedgwood, M Underwood and S Lakshminrusimha, Sacramento, CA. University of California, Davis (Inaugural Vedang Londhe Memorial Travel Award)

Abstract 470

11:45 AEROSOLIZED PPARГ AGONIST PIOGLITAZONE AND SYNTHETIC SURFACANT PROTEIN B MIMIC B-YL PREVENTS HYPEROXIA-INDUCED LUNG INJURY IN ADULT MICE.
C Kurihara, R Sakurai, T Chuang, A Waring, F Walther and V Rehan, Torrance, CA. LA BioMed Research Institute

Abstract 471

Neuroscience III
Studio 105 (Sunset Center)
Hermelinda Abcede, Presiding

10:15 IDENTIFYING THE BRAINSTEM REGION WITH THE HIGHEST DENSITY OF MOTOR NEURON PROGENITOR CELLS AS POTENTIAL CANDIDATE CELLS FOR SPINAL CORD INJURY REPAIR.
F Guirguis and P Lu, Pomona, CA; La Jolla, CA. Western University of Health Sciences

Abstract 472

10:30 REGULATION OF LYSOSOMES THROUGH MANIPULATION OF LYSINE RESIDUES IN P18.
E Chiang, W Lin, J Sun, X Hao, B Diep, M Baudry and X Bi, Pomona, CA. Western University of Health Sciences

Abstract 473

10:45 ELUCIDATING THE FUNCTION AND ROLE OF P18 IN LYSOSOMAL POSITIONING.
B Diep, J Sun, W Lin, X Hao, E Chiang, M Baudry and X Bi, Pomona, CA. Western University of Health Sciences (WSMRF)

Abstract 474

11:00 VAGUS NERVE STIMULATION MAY ENHANCE MOTOR LEARNING THROUGH MODULATION OF CHOLINERGIC BASAL FOREBRAIN.
A Sunshine, J Hickman, D Donegan and C Welle, Aurora, CO. University of Colorado

Abstract 475
11:15 SPINE MORPHOLOGY IN ADULT MOUSE HIPPOCAMPUS WITH CALPAIN-1 OR CALPAIN-2 DELETION.
JE Trotter, X Bi, Y Wang and M Baudry, Pomona, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences

Abstract 476

11:30 STABILITY STUDIES OF VARIOUS SELECTIVE CALPAIN-2 INHIBITORS IN MOUSE PLASMA AND LIVER HOMOGENATES.
A Nham, A Sherbaf, Y Wang and M Baudry, Chino, CA. Western University of Health Sciences

Abstract 477

11:45 CHARACTERIZING PURKINJE CELL ENCODING OF PAW POSITION.
DJ Calame and A Person, Aurora, CO. Colorado University Anschutz Medical Campus

Abstract 478
**Western Section American Federation for Medical Research**

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<td>Takeshi Saito</td>
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<td>Karen Servilla</td>
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**Western Association of Physicians and Western Society for Clinical Investigation**

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<tr>
<th><strong>PRESIDENT</strong></th>
<th><strong>VICE PRESIDENT</strong></th>
<th><strong>SECRETARY/TREASURER</strong></th>
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<td>Frederick S. Buckner</td>
<td>W. Conrad Liles</td>
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<td>University of Washington</td>
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<th><strong>COUNCILORS</strong></th>
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<tr>
<td>David N. Gilbert</td>
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<tr>
<td>Providence Portland Medical Center</td>
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<tr>
<td>Peter Ganz</td>
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<td>University of California, San Francisco</td>
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## Western Society for Pediatric Research

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<tr>
<th>Position</th>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td><strong>PRESIDENT</strong></td>
<td>Erika Fernandez</td>
<td>University of California San Diego</td>
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<td><strong>PRESIDENT-ELECT</strong></td>
<td>David Viskochil</td>
<td>University of Utah</td>
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<td><strong>PAST PRESIDENT</strong></td>
<td>Roberta Keller</td>
<td>University of California, San Francisco</td>
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<tr>
<td><strong>SECRETARY/TREASURER</strong></td>
<td>Christian Con Yost</td>
<td>University of Utah</td>
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<td><strong>OF COUNCIL</strong></td>
<td>Bill Hay, Jr.</td>
<td>University of Colorado</td>
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<td><strong>OF COUNCIL</strong></td>
<td>Robin Ohls</td>
<td>University of New Mexico</td>
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<td><strong>OF COUNCIL</strong></td>
<td>Mary Ramos</td>
<td>University of New Mexico</td>
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<td><strong>OF COUNCIL</strong></td>
<td>Cherry Mammen</td>
<td>University of British Columbia</td>
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<td>Joseph Shieh</td>
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<td><strong>OF COUNCIL</strong></td>
<td>Lance Prince</td>
<td>University of California San Diego</td>
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<td>Donna Goff</td>
<td>Loma Linda University</td>
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<td><strong>OF COUNCIL</strong></td>
<td>Amy Staples</td>
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<td>Mariana Baserga</td>
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<td><strong>OF COUNCIL</strong></td>
<td>Walter Dehority</td>
<td>University of New Mexico</td>
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### Western Student Medical Research Forum Officers

<table>
<thead>
<tr>
<th>2018-2019 Co-Chairs</th>
<th>Immediate Past Co-Chairs</th>
<th>Executive Co-Directors</th>
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<tr>
<td>Edward Chiou</td>
<td>Brian Walker</td>
<td>Maralyssa Bann</td>
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<td>University of Washington School of Medicine</td>
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<tr>
<td>Dylan Calame</td>
<td>Rachel Ancar</td>
<td>Jorge Nieva</td>
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<tr>
<td>University of Colorado</td>
<td>University of Colorado</td>
<td>University of Southern California</td>
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**Lead Administrator**

Mary Lou Siebert
University of Washington
School of Medicine
The Beach Resort to Pebble Beach -
Take Highway 1 - South. Travel south past Monterey and take the Pacific Grove/Pebble Beach/HWY 68 exit. After exiting the freeway follow the signs to the Pebble Beach Gate.

The Beach Resort to Carmel (Downtown) -
Take Highway 1 - South. Travel through Monterey. After passing the Pacific Grove/Pebble Beach/HWY 68 exit, take the Ocean Ave. exit to the right. Follow Ocean Ave. to downtown Carmel.

The Beach Resort to Cannery Row and the Aquarium -
Exit left from the hotel and take a right onto Del Rey Oaks Blvd. Follow it under the freeway and continue east passing the small lake on the right. As you near the first major intersection get in the right lane. Take a right onto Del Monte and follow it south into Monterey. Follow it through the tunnel, staying in the right hand lanes. The right lanes split off and become Foam Ave. Take the first right onto Drake. It ends at Cannery Row.

To the Monterey Bay Aquarium -
Follow above instructions to Foam. (You may want to park in the garage on Foam between Hoffman and Prescott) or follow Foam all the way until it ends at David Ave. The Aquarium is just down the hill to your right on Cannery Row.