<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY &amp; LOCATION</th>
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</thead>
<tbody>
<tr>
<td>THURSDAY, JANUARY 23, 2014</td>
<td></td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Registration</td>
</tr>
<tr>
<td></td>
<td>Sunset Center – Entry Lobby</td>
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<tr>
<td>8:00 am – 5:00 pm</td>
<td>Speaker Ready Room</td>
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<td></td>
<td>Sunset Center</td>
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<tr>
<td>9:00 am – 11:40 am</td>
<td>WAP Symposium</td>
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<td></td>
<td>Personalized Medicine and Technology</td>
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<td>Sponsored by WAP</td>
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<tr>
<td></td>
<td>Studio 105</td>
</tr>
<tr>
<td>9:30 am – 12:00 pm</td>
<td>WSPR Council Meeting</td>
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<tr>
<td></td>
<td>Sunset Center – Bingham #3</td>
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<tr>
<td>11:30 am – 12:30 pm</td>
<td>Investigator Workshop</td>
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<tr>
<td></td>
<td>(Intended for Fellows and Jr. Faculty – Lunch included)</td>
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<tr>
<td></td>
<td>Getting the most out of your mentor</td>
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<td></td>
<td>Richart Harper. University of California, Davis</td>
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<td>Sunset Center – Green Room</td>
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<tr>
<td>11:40 am – 12:00 pm</td>
<td>WAP Business Meeting</td>
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<td>Studio 105</td>
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<tr>
<td>12:30 pm – 2:30 pm</td>
<td>Concurrent Sessions</td>
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<td>Sunset Center</td>
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<td></td>
<td>Cardiovascular I – Promenade Lobby</td>
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<td></td>
<td>Endocrinology and Metabolism I – Bingham #3</td>
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<tr>
<td></td>
<td>Health Care Research I: Measuring Health Outcomes – Babcock #6</td>
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<tr>
<td></td>
<td>Immunology and Rheumatology – Chapman #4</td>
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<tr>
<td></td>
<td>Neonatal Pulmonary I – Rehearsal Room</td>
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<tr>
<td></td>
<td>Neonatology – General I – Studio 105</td>
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<tr>
<td></td>
<td>Potpourri – Conductor’s Room</td>
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<tr>
<td>2:30 pm – 3:30 pm</td>
<td>Break and Poster Session</td>
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<td>3:30 pm – 6:00 pm</td>
<td>Concurrent Sessions</td>
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<td>Sunset Center</td>
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<td>Behavior and Development I – Promenade Lobby</td>
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<td>Global Health – Babcock #6</td>
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<td>Hematology and Oncology I – Green Room</td>
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<td>Neonatal Pulmonary II – Rehearsal Room</td>
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<td>Neuroscience I – Chapman #4</td>
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<td></td>
<td>Pulmonary and Critical Care I – Studio 105</td>
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<td>Surgery A – Conductor’s Room</td>
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<td>Surgery I – Bingham Room #3</td>
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<tr>
<td>6:00 pm – 7:30 pm</td>
<td>Welcome Reception and Student Award Posters, Pizza, and Beer</td>
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<td></td>
<td>Jointly sponsored by WAFMR, WAP, WSCI, WSMRF, and WSPR</td>
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<td></td>
<td>All welcome and encouraged to attend Carmel Women’s Club</td>
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</tbody>
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DOI: 10.231/JIM.0000000000000038
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td>Abbott Nutrition WSPR Reception</td>
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<tr>
<td></td>
<td>Open to all WSPR members, trainees, and guests</td>
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<tr>
<td></td>
<td>Poseidon Room, La Playa Hotel</td>
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<tr>
<td>7:00 pm – 9:00 pm</td>
<td>WAP Council Meeting</td>
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<td>Pine Inn – Il Fornaio</td>
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<td>7:00 pm – 9:00 pm</td>
<td>WAFMR Business Meeting</td>
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<td>(by invitation only)</td>
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<td>Forge in the Forest</td>
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**FRIDAY, JANUARY 24, 2014**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Registration</td>
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<td>Sunset Center – Entry Lobby</td>
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<td>8:00 am – 5:00 pm</td>
<td>Speaker Ready Room</td>
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<td>Sunset Center</td>
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<tr>
<td>8:00 am – 11:50 am</td>
<td>Joint Plenary Session</td>
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<td></td>
<td>Personalized Medicine and Technology</td>
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<td>WAFMR, WSCI, WAP, and WSPR</td>
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<td></td>
<td>Sunset Center – Theater</td>
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<tr>
<td></td>
<td>WSCI Outstanding Investigator Award</td>
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<td>WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award</td>
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<td>WSPR Abbott Nutrition Lowell Glasgow Student Research Award</td>
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<td>WSPR Abbott Nutrition Young Investigator Research Award</td>
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<td>WSPR St. Geme Educator Award</td>
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<td>E.E. Osgood Award</td>
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<td></td>
<td>WAFMR Outstanding Investigator Award</td>
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<td>WSPR Stanley Wright Lecture</td>
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<td>WAP Distinguished Lecture</td>
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<td>Mayo Soley Award presentation</td>
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<tr>
<td>11:30 am – 12:30 pm</td>
<td>New Investigator Workshops</td>
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<td>(Intended for Fellows and Jr. Faculty – Lunch included)</td>
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<tr>
<td></td>
<td>Research training in the era of team science: What skills will be</td>
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<td>needed in the future?</td>
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<td></td>
<td>Nicholas Kenyon, University of California, Davis</td>
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<td></td>
<td>Sunset Center – Green Room</td>
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<tr>
<td>11:50 am – 12:00 pm</td>
<td>WSCI Society Business Meetings</td>
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<td></td>
<td>Sunset Center – Theater</td>
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<tr>
<td>11:50 am – 12:00 pm</td>
<td>WSPR Business Meeting</td>
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<td></td>
<td>Sunset Center – Theater</td>
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<tr>
<td>12:30 pm – 2:30 pm</td>
<td>Concurrent Sessions</td>
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<td>Sunset Center</td>
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<td></td>
<td>Adolescent Medicine and General Pediatrics I – Studio 105</td>
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<td></td>
<td>Behavior and Development II – Conductor’s Room</td>
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<td></td>
<td>Cardiovascular II – Promenade Lobby</td>
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<td></td>
<td>Endocrinology and Metabolism II – Bingham #3</td>
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<td></td>
<td>Gastroenterology – Babcock #6</td>
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<td></td>
<td>Genetics – Rehearsal Room</td>
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<tr>
<td></td>
<td>Neonatology – General II – Chapman #4</td>
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<tr>
<td>1:00 pm – 5:30 pm</td>
<td>California Thoracic Society Meeting</td>
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<td>Quail Lodge</td>
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<td>8205 Valley Greens Drive, Carmel, CA 93923</td>
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<tr>
<td>2:30 pm – 3:30 pm</td>
<td>Break and Poster Session</td>
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<td>Poster Session II</td>
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<td>Carpenter Hall</td>
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<td>(Presenters in attendance from 2:30 pm to 3:30 pm)</td>
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<tr>
<td></td>
<td>Genetics</td>
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<td>Health Care Research</td>
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<td>Hematology and Oncology</td>
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<td>Immunology and Rheumatology</td>
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<td>Infectious Diseases</td>
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<td>3:30 pm – 6:00 pm</td>
<td>Concurrent Sessions</td>
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<td>Sunset Center</td>
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<td>Family and Child – Promenade Lobby</td>
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<td></td>
<td>Health Care Research II: Health Intervention Delivery – Green Room</td>
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<tr>
<td></td>
<td>Infectious Diseases I – Bingham Room #3</td>
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<tr>
<td></td>
<td>Morphogenesis and Malformations – Rehearsal Room</td>
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© 2013 The American Federation for Medical Research
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 3:30 pm – 6:15 pm | Neonatology - General III – Chapman #4  
Nephrology and Hypertension – Babcock #6  
Surgery B – Conductor’s Room  
Surgery II – Studio 105 |
| 6:30 pm – 8:00 pm | University of Washington Reception  
All UW faculty, fellows, residents and students invited  
Carmel Mission Ranch |
| 6:30 pm – 9:00 pm | Western Perinatal Club  
LaPlaya Hotel |
| 6:30 pm – 9:30 pm | UBC Departments of Pediatrics and Pediatric Surgery  
Celebration of Student Research Dinner  
(UBC Students and Faculty Only)  
Contact either Colin White (cwhite@cw.bc.ca) or Nathan O’Hara  
(NOHara-02@cw.bc.ca)  
Pine Inn – Rotunda Room |
| 7:00 pm – 8:00 pm | Dysmorphology Club  
Sunset Center – Rehearsal Room |
| 7:00 pm – 9:00 pm | California Thoracic Society/Western Respiratory Club Dinner  
Louise Aronson, University of California, San Francisco  
Registration is required.  
Contact CTS at 415-536-0287 or www.calthoracic.org for more information and to register. |
| **SATURDAY, JANUARY 25, 2014** | |
| 8:00 am – 12:00 pm | Speaker Ready Room  
Sunset Center |
| 8:00 am – 10:00 am | Registration  
Sunset Center – Entry Lobby |
| 8:00 am – 10:00 am | Concurrent Sessions  
Sunset Center  
Adolescent Medicine and General Pediatrics II – Rehearsal Room  
Community Health – Studio 105  
Endocrinology and Metabolism III – Bingham Room #3  
General Internal Medicine and Aging – Babcock #6  
Health Services A – Conductor’s Room  
Neonatology – Developmental Biology – Chapman #4  
Pulmonary and Critical Care II – Promenade Lobby  
Surgery III – Green Room |
| 10:00 am – 11:00 am | Break and Poster Session  
**Poster Session III**  
Carpenter Hall  
(Presenters in attendance 10:00 am – 11:00 am)  
Behavior and Development  
Cardiovascular  
Developmental Biology  
Gastroenterology  
Morphogenesis and Malformations  
Neonatal Pulmonary  
Neonatology General  
Neuroscience  
Surgery |
| 11:00 am – 12:30 pm | Concurrent Sessions  
Sunset Center  
Adolescent Medicine and General Pediatrics III – Rehearsal Room  
Cardiovascular III – Promenade Lobby  
Health Care Research III: Novel Diagnostics and Therapies – Conductor’s Room  
Hematology and Oncology II – Green Room  
Immunology and Hematology – Bingham Room #3  
Infectious Diseases II – Studio 105  
Neonatology – General IV – Babcock #6  
Neuroscience II – Chapman #4 |
| 12:30 pm – 2:00 pm | Society Officers Planning Meeting  
(by invitation only)  
All Saints Church – Grant Hall |
2014 Western Regional Meeting Award Winners

<table>
<thead>
<tr>
<th>Name</th>
<th>University and Award</th>
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<tbody>
<tr>
<td>Joseph Adewumi</td>
<td>University of Colorado School of Medicine, WSPR Subspecialty Award Winner</td>
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<tr>
<td>Claudine Akondeng</td>
<td>University of Nevada Las Vegas, WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Paldeep Atwal</td>
<td>Stanford University, WSPR Mead Johnson Travel Award Winner</td>
</tr>
<tr>
<td>Kristen Beck</td>
<td>University of Colorado School of Medicine, WAFMR/WAP Student Subspecialty Award Winner</td>
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<tr>
<td>Peter Boulos</td>
<td>University of Colorado School of Medicine, WSPR Subspecialty Award Winner</td>
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<tr>
<td>Brooke Bredbeck</td>
<td>University of Colorado, WAFMR/WAP Student Subspecialty Award Winner</td>
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<tr>
<td>Gabrielle Brown</td>
<td>University of California San Francisco, WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Christina Buysse</td>
<td>Stanford University, WSPR Mead Johnson Travel Award Winner</td>
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<tr>
<td>Lori Cooper</td>
<td>University of Washington, WSCI Travel Award Winner</td>
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<tr>
<td>M. Kristen Demoruelle</td>
<td>University of Colorado School of Medicine, WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Christina Fong</td>
<td>David Geffen School of Medicine at UCLA, WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Natalia Gomez-Ospina</td>
<td>Stanford Hospital, WSPR Mead Johnson Travel Award Winner</td>
</tr>
<tr>
<td>Mona Hanouni</td>
<td>LA Biomed at Harbor-UCLA, WSPR Mead Johnson Travel Award Winner</td>
</tr>
<tr>
<td>Alkesh Jani</td>
<td>University of Colorado Denver, WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Ryan Kern</td>
<td>University of California San Francisco, California Thoracic Society Scholar Winner</td>
</tr>
<tr>
<td>Kara Kuhn-Riordon</td>
<td>University of California, Davis, WAFMR/WAP Outstanding Resident Award Winner</td>
</tr>
<tr>
<td>Vera Lyubasvuk</td>
<td>University of California, San Diego, WSPR Subspecialty Award Winner</td>
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<tr>
<td>Marie Mayer</td>
<td>UCSF Fresno, WSPR Mead Johnson Travel Award Winner</td>
</tr>
<tr>
<td>Danisha McCall</td>
<td>University of New Mexico, WSPR Abbott Nutrition Resident Research Award</td>
</tr>
<tr>
<td>Amber Messier</td>
<td>University of New Mexico, WSCI Travel Award Winner</td>
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<tr>
<td>Luisa Mestroni</td>
<td>University of Colorado AMC, University of Trieste, WSCI Travel Award Winner</td>
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<tr>
<td>Alexander Metoxen</td>
<td>University of Colorado School of Medicine, WSPR Subspecialty Award Winner</td>
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<tr>
<td>Sanaa Nagji</td>
<td>UNM School of Medicine, WSPR Subspecialty Award Winner</td>
</tr>
<tr>
<td>Sean Ott</td>
<td>University of California, Davis, California Thoracic Society Scholar Winner</td>
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</tbody>
</table>
Reena Patel University of Utah, WSCI Travel Award Winner
Matthew Perez University of Washington, WSPR Subspecialty Award Winner
Kevin Quinn David Geffen School of Medicine at UCLA, WSCI Travel Award Winner
Jonathan Repine University of Colorado Anschutz Medical Campus, WAFMR/WAP Student Subspecialty Award Winner
David Roach University of Washington, WAFMR/WAP Student Subspecialty Award Winner
Alexander Salter University of Washington, WAFMR/WAP Student Subspecialty Award Winner
Spencer Schulte University of Washington, School of Medicine, WAFMR/WAP Student Subspecialty Award Winner
Michelle Siu Cedars-Sinai Medical Center, WAFMR/WAP Student Subspecialty Award Winner
Monica Sondhi David Geffen School of Medicine at UCLA, WSPR Mead Johnson Travel Award Winner
Chandra Steenhoek Veterans Health Administration, WSCI Travel Award Winner
Michael Stein University of British Columbia, WSPR Subspecialty Award Winner
Chris Stockmann University of Utah, WSCI Travel Award Winner
Megan Sue David Geffen School of Medicine at UCLA, WAFMR/WAP Student Subspecialty Award Winner
Sneha Taylor LabBioMed, WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award Winner
Rebecca Tran University of Colorado School of Medicine, WAFMR/WAP Student Subspecialty Award Winner
Amelia Valdez University of Washington School of Medicine, WSPR Abbott Nutrition Lowell Glasgow Student Research Award Winner
Sandra Wai University of Colorado School of Medicine, WSPR Mead Johnson Travel Award Winner
Jared Wallace University of Utah, E.E. Osgood Award Winner
Jalicia Washington University of Arizona, WAFMR/WAP Student Subspecialty Award Winner
Amir Zeki University of California, Davis, WAFMR Outstanding Investigator Award Winner
Chengguo Zhao Jilin University, WSCI Travel Award Winner
Haoshi Zheng Xi’an University of Technology, WSCI Travel Award Winner

SPECIALTY CLUB ANNOUNCEMENTS
Friday, January 24, 2014

WESTERN PERINATAL CLUB
Sponsored by the Perinatal Sections of AAP Districts VIII and IX
and
The California Association of Neonatologists LaPlaya Carmel Hotel

6:00 PM – Reception
6:30 PM – 7:30 PM
Perinatal Briefing

Pulmonary Hypertension in the NICU: What’s Known, What’s New, and What’s Next
Featured Speaker: Robin H. Steinhorn, University of California Davis Children’s Hospital

Supported by Mead Johnson Nutrition

DYSMORPHOLOGY CLUB
7:00 PM – 8:00 PM
Rehearsal Room – Sunset Center

Genetic Unknowns and Rare Knowns

Contact person: Joseph Shieh, and Jon Bernstein
Supported, in part, by Abbott, Abbott Laboratories, Inc.
WESTERN ASSOCIATION OF PHYSICIANS
PERSONALIZED MEDICINE AND TECHNOLOGY
Studio 105, Sunset Center

Thursday, January 23, 2014
9:00 AM – 11:40 AM

Joshua Goldhaber and John Kane, Presiding

9:00 PERSONALIZED MEDICINE FOR THE CARDIAC PATIENT: ARE WE THERE YET?
Sumeet Chugh, Cedars-Sinai Heart Institute

9:45 TECHNOLOGY AND INFORMATICS APPROACHES TO SOLVING DIABETES.
Nate Heintzman, University of California, San Diego

10:30 BREAK

10:45 TRANSITIONING FROM PROMISE TO REALITY IN PERSONALIZED MEDICINE.
Laurence Marton, University of California, San Francisco

11:30 MEMORIUM – George R. Merriam
Presenter: Karen Foster-Schubert

11:35 ADJOURN
11:40 WAP BUSINESS MEETING

INVESTIGATOR WORKSHOP

Thursday, January 23, 2014
11:30 AM – 12:30 PM

The American Federation for Medical Research and the Tri-Societies are pleased to sponsor a workshop for Fellows and Junior Faculty. This workshop will take place on Thursday and Friday. Lunch will be provided

Sunset Center – Green Room

Getting the most out of your mentor.
Richart Harper, University of California, Davis

CONCURRENT SESSIONS

Thursday, January 23, 2014
12:30 PM – 2:30 PM

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

Cardiovascular I.........................................................................................Promenade Lobby
Endocrinology and Metabolism I..................................................................Ringham #3
Health Care Research I: Measuring Health Outcomes.................................Babcock #6
Immunology and Rheumatology..................................................................Chapman #4
Neonatal Pulmonary I....................................................................................Rehearsal Room
Neonatology – General I.............................................................................Studio 105
Potpourri........................................................................................................Conductor’s Room
Cardiovascular I
Promenade Lobby (Sunset Center)
Luisa Mestroni and Carlin S. Long, Presiding

12:30 DEVELOPMENT OF A PLLA-BASED BIORESORBABLE STENT FOR USE IN CONGENITAL HEART DISEASE.
J Ni, C Seger, R Alexy, B Wu and D Levi, Los Angeles, CA. UCLA (WSMRF)  
Abstract 1

12:45 MESENCHYMAL STEM CELLS AS CELL BASED THERAPIES IN HEART FAILURE.
AC Pandey, J Lancaster, A Muralidhar, D Harris, S Goldman and E Juneman, Tucson, AZ.  
University of Arizona (WAFMR)  
Abstract 2

1:00 CARBON NANOTUBE SCAFFOLDS FOR CARDIAC TISSUE ENGINEERING.
L Mestroni, V Martinelli, G Cellot, FM Toma, CS Long, M Prato, Aurora, CO and Trieste, Italy. University of Colorado AMC (WSCI Travel Award Winner) (WAP)  
Abstract 3

1:15 LAMINOPATHY AND THE NUCLEOSKELETON: AN ATOMIC FORCE MICROSCOPY STUDY.
O Shatzer, T Lanzicher, V Martinelli, D Slavov, G Delfavero, CS Long, L Mestroni and M Taylor, Trieste, Italy and Aurora, CO. University of Trieste  
Abstract 4

1:30 WHOLE EXOME NEXT-GENERATION SEQUENCING IDENTIFIES NOVEL DISEASE GENES IN PRIMARY VASCULAR ANEURYSMS.
RS D Souza, K Gow, S Graw, K Jones and M Taylor, Aurora, CO. University of Colorado  
University of Colorado AMC (W AFMR/W AP Student Subspecialty Award Winner)  
Abstract 5

1:45 LAYPERSON CPR IN CARDIAC ARREST: THE ROLE OF THE IDENTIFICATION ALGORITHM.
R Orpet, T Rea and R Riesenberg, Seattle, WA. University of Washington School of Medicine at UCLA  
Abstract 6

2:00 PREV ALENCE OF RIGHT-TO-LEFT SHUNTING IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA.
N Dasgupta, R Gevorgyan and J Tobis, Los Angeles, CA. UCLA (WSMRF)  
Abstract 7

2:15 PREV ALENCE OF CORONARY ARTERY DISEASE ASSESSED BY DUAL SOURCE CT ANGIOGRAPHY IN WOMEN WITH MAMMOGRAPHICALLY DETECTED BREAST ARTERIAL CALCIFICATIONS.
A Gibson and S Ruehm, Los Angeles, CA. David Geffen School of Medicine at UCLA  
Abstract 8

Endocrinology and Metabolism I
Bingham Room #3 (Sunset Center)
Neda Rasouli and Karen Foster-Schubert, Presiding

12:30 State-of-the-Art Speaker
HOT TOPICS IN DIABETES CLINICAL TRIALS.
Neda Rasouli, University of Colorado  
Abstract 9

1:00 ROLE OF ADIPOSE TISSUE HYPOXIA IN INSULIN RESISTANCE.
B Bredbeck, H Lawler, C Erickson and N Rasouli, Aurora, CO and Denver, CO. University of Colorado (WAFMR/WAP Student Subspecialty Award Winner)  
Abstract 10

1:15 ESTROGEN RECEPTOR ALPHA-MEDIATED REPRESSION OF INFLAMMATION IN MACROPHAGES AND ITS RELEVANCE IN TYPE 2 DIABETES.
B R Obre, T Rea and R Riesenberg, Seattle, WA. University of Washington (WSMRF)  
Abstract 11

1:30 A NOVEL TARGET FOR COMBATING INSULIN RESISTANCE.
G Ma, I Lopez-Sanchez and P Ghosh, San Diego, CA. University of California, San Diego (WSMRF)  
Abstract 12

1:45 UCHL1 IS REQUIRED FOR PANCREATIC BETA-CELL SURVIVAL UNDER STRESS CONDITIONS ASSOCIATED WITH PROTEOTOXICITY.
DO Johansen, S Costes, T Gurlo, J Rivera and P Butler, Los Angeles, CA. David Geffen School of Medicine at UCLA  
Abstract 13

2:00 ANGIOTENSIN-(1-7) PROMOTES GLUCOSE-STIMULATED INSULIN SECRETION IN MOUSE ISLETS.
R Greibach, B Barrow and S Zraika, Seattle, WA. University of Washington School of Medicine  
Abstract 14

Health Care Research I: Measuring Health Outcomes
Babcock #6 (Sunset Center)
Gregory Roth, Presiding

12:30 State-of-the-Art Speaker
MEASURING THE GLOBAL BURDEN OF DISEASE AND DISABILITY.
Gregory Roth, University of Washington School of Medicine  
Abstract 15

1:00 PRONTO TRAINING IMPROVES DELIVERY CARE IN RURAL GUATEMALA.
A Walton, F Holme and D Walker, Seattle, WA. University of Washington (WSMRF)  
Abstract 16
1:30 Hospital-Based Ocular Emergencies: Epidemiology, Treatment, and Visual Outcomes.
C Cheung, M Rogers-Martel, L Golas, A Chepurny, J Martel and J Martel, Los Angeles, CA; Sacramento, CA and Denver, CO. David Geffen School of Medicine at UCLA

1:45 payer Status Affects 30-Day Revisits for Heart Failure Patients Discharged from Emergency Departments.
AC Lui, CL Coil, AH Kaji and RJ Lewis, Los Angeles, CA and Torrance, CA. David Geffen School of Medicine at UCLA (WSMRF)

2:00 Effects of Engagement Survey on Type II Diabetes Outcomes.
VE Solomon, E Barnes and C Ochoa, Pomona, CA. Western University-Comp

2:15 Aberrant Behaviors Among Patients on Chronic Opioid Therapy are Most Common at Higher Doses.
EC Thompson, R Rosenblatt and L Grande, Seattle, WA. University of Washington School of Medicine

2:30 pm – 3:30 pm Break and Poster Session

Immunology and Rheumatology
Chapman #4 (Sunset Center)
Keith Colburn and Kevin Deane, Presiding

J Wallace, M Cody, H Schwartz and CC Yost, Salt Lake City, UT. University of Utah

12:45 Health-Fair Identification of Subjects at Risk for Future Rheumatoid Arthritis.
K Beck, M Demoruelle, C Striebich, K Aiona, M Feser, S Brake, J Goddard, J Lyseng, L Rosseisen, J Rhiannon, J Norris, M Holers and K Deane, Denver, CO. University of Colorado School of Medicine (WAFMR/WSP Student Subspecialty Award Winner) (WSMRF)

1:00 Rheumatoid Arthritis Autoantibodies Are Associated With Lymphoid Tissue in the Lung.
M Demoruelle, A Bagley, M Parish, D Heinz, M Holers, C Cool and K Deane, Aurora, CO. University of Colorado School of Medicine (WSCT Travel Award Winner) (WAFMR)

1:15 Outcomes Associated with Sustained Low Aqueous Humor Protein Levels in Children With Chronic Anterior Uveitis.
JN Danesh, C Boeni, F Yu and GN Holland, Los Angeles, CA. Ocular Inflammatory Disease Center, Jules Stein Eye Institute and the Department of Ophthalmology, David Geffen School of Medicine at UCLA

1:30 Corin 2a Regulates Macrophage Inflammatory Programs.
DX Zhang and C Glass, La Jolla, CA. University of California, San Diego (WSMRF)

1:45 CD4+/CD40+ T Cell Levels Predict Risk of Developing Type 1 Diabetes in Pre-Diabetics.
D Nguyen, G Vaitaitis, D Waid and D Wagner, Denver, CO. University of Colorado

2:00 Thymic Stromal Lymphopoietin (TSLP) is Elevated in Patients with Systemic Lupus Erythematosus or Rheumatoid Arthritis.
MG Cabling, A Weldon, A Benitez, R Su, S Sachdeva, K Colburn, I Moldovan and K Payne, Loma Linda, CA and Redlands, CA. Loma Linda University Medical Center (WAFMR)

2:30 pm – 3:30 pm Break and Poster Session

Neonatal Pulmonary I
Rehearsal Room (Sunset Center)
Vedang Londhe and Christian C. Yost, Presiding

12:30 Incorporation of Vault Nanoparticles in Mouse Lung Epithelium.
JS Tran, B Lopez, VA Kickhoefer, L Rome and V Londhe, Los Angeles, CA. David Geffen School of Medicine at UCLA

12:45 The Role of NFkappaB Mediated Et-1 Expression in the Development of Persistent Pulmonary Hypertension Following Chorioamnionitis.
M Gossling, S McKenna, T Liu, K Han, K Michaelis and CJ Wright, Aurora, CO. University of Colorado (WSPR Subspecialty Award Winner)

1:00 State-of-the-Art Speaker
Linking Inflammation and Abnormal Lung Development.
Lawrence S. Prince. University of California, San Diego

1:30 Hepatocyte Growth Factor Stimulates Fetal Sheep Alveolar Type II Cell and Endothelial Cell Growth and Improves Lung Structure in Experimental Bronchopulmonary Dysplasia.
A Metoxen, G Seedorf and S Abman, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner)
1:45 TRANSGENERATIONAL MOLECULAR AND PHENOTYPIC CHARACTERIZATION OF THE PERINATAL NICOTINE EXPOSURE-INDUCED EFFECTS ON BONE MARROW-DERIVED MESENCHYMAL STEM CELLS.  
J Liu, S Husain, R Sakurai and V Rehan, Torrance, CA. LA BioMed  
Abstract 32

2:00 REVERSAL OF PERINATAL NICOTINE EXPOSURE-INDUCED ASTHMA IN RAT OFFSPRING.  
J Liu and V Rehan, Torrance, CA. LA BioMed  
Abstract 33

2:15 MIRNA-MEDIATED ADIPOGENIC DIFFERENTIATION OF BONE MARROW-DERIVED MESENCHYMAL STEM CELLS OBTAINED FOLLOWING NUTRITIONAL STRESS DURING PREGNANCY.  
SF Antony, M Gong, R Sakurai and V Rehan, Torrance, CA. LA BioMed (WSPR)  
Abstract 34

2:30 pm – 3:30 pm Break and Poster Session

Neonatology - General I
Studio 105 (Sunset Center)  
Mariana Baserga and Amber M. Messier-Gieri, Presiding

12:30 IMPACT OF A NOVEL DECISION SUPPORT TOOL ON ADHERENCE TO NEONATAL RESUSCITATION PROGRAM ALGORITHM.  
J Fuerch, NK Yamada, P Coehlo, B Vale and LP Halamek, Palo Alto, CA and Mountain View, CA. Lucile Packard Children’s Hospital at Stanford  
Abstract 35

12:45 IMPROVING THERMOREGULATION FOR VERY LOW BIRTH WEIGHT INFANTS AT A LEVEL IV NEONATAL INTENSIVE CARE UNIT.  
K Thornton, K Voos and E McNellis, Kansas City, MO. Children’s Mercy Hospital and Clinics, University of Missouri-Kansas City School of Medicine  
Abstract 36

1:00 COLLABORATIVE VS INDIVIDUAL QUALITY IMPROVEMENT FOR DELIVERY ROOM NEONATAL MANAGEMENT.  
HC Lee, M Bennett, R Powers and P Sharek, Stanford, CA and San Jose, CA. Stanford University (WSPR)  
Abstract 37

1:15 DETERMINATION OF FETAL RHD STATUS USING FETAL NUCLEIC ACID IN THE MATERNAL CIRCULATION.  
SZ Nagji, AL Shover, A Shariff, S Rossol, S McConaghy and RK Ohls, Albuquerque, NM. University of NewMexico School of Medicine (WSPR Subspecialty Award Winner)  
Abstract 38

1:30 DO CORD BLOOD BILIRUBINS PREDICT THE NEED FOR TREATMENT IN NEONATES AT RISK FOR HYPERBILIRUBINEMIA?  
L Bradley, V Walker, D Roy, T Grogan, D Elashoff and KL Calkins, Los Angeles, CA. University of California, Los Angeles (WSMRF)  
Abstract 39

1:45 EFFICACY AND SAFETY OF BLUE-GREEN LIGHT FOR PHOTOTHERAPY.  
DT Linfield, D Lin, S Schulz, HJ Vreeman, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine (WAFMR)  
Abstract 40

2:00 CHEMOPREVENTION OF NEONATAL JAUNDICE USING POLYMERIC PARTICULATE DELIVERY OF ZINC PROTOPORPHYRIN.  
RJ Wong, C Espadas, M Inayathullah, D Lechuga-Ballesteros, F Kalish, J Rajadas and DK Stevenson, Stanford, CA. Stanford University  
Abstract 41

2:15 ANGIOGENESIS: EPIGENETIC MODIFICATION AND SIGNALING MECHANISMS.  
JD Prest, R Goyal and L Longo, Loma Linda, CA. Loma Linda University (WSPR)  
Abstract 42

2:30 pm – 3:30 pm Break and Poster Session

Potpourri
Conductor’s Room  
Kevin O’Brien, Presiding

12:30 ACCURACY OF MRI-DETERMINED PROTON DENSITY FAT FRACTION FOR ESTIMATION OF HEPATIC STEATOSIS IN EX-VIVO HUMAN LIVER.  
AM Shah, K Zand, E Heba, G Hamilton, T Wolfson, M Middleton and CB Sirlin, La Jolla, CA. University of California San Diego  
Abstract 43

12:45 CORNEAL DEFORMATION CAUSED BY TOPICAL LOADED MANGANESE-ENHANCED MRI.  
MA McCormick, C Chung and S Sun, Loma Linda, CA. Loma Linda University  
Abstract 44

1:00 COMPARATIVE EFFECTIVENESS OF GUIDELINE DEFINITIONS AND CLINICAL JUDGMENT IN IDENTIFYING SEPSIS IN THE EMERGENCY DEPARTMENT.  
TN Brown, D Yeung, A Ghelani and H Nguyen, Loma Linda, CA. Loma Linda University School of Medicine  
Abstract 45

1:15 DOES HEART-KIDNEY TRANSPLANT CONFER PROTECTIVE BENEFITS IN IMMUNE RESPONSES?  
F Liu, Z Yu, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center  
Abstract 46

1:30 TOXOPLASMA SEROLOGY AND OUTCOMES AFTER HEART TRANSPLANTATION: CONTENTION IN THE LITERATURE.  
A Chehrazi-Raffle, Z Yu, F Liu, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center  
Abstract 47
1:45  **SEVERE, FATAL MULTISYSTEM MANIFESTATIONS IN A PATIENT WITH DOLICHOL KINASE-CONGENITAL DISORDER OF GLYCOSYLATION.**

*MT Lieu, BG Ng, JS Rush, T Wood, MJ Basehore, M Hedge, RC Chang, JE Abdenur, HH Freeze and RY Wang, Los Angeles, CA; La Jolla, CA; Lexington, KY; Greenwood, SC; Atlanta, GA and Orange, CA. David Geffen School of Medicine at UCLA Abstract 48*

2:00  **THYROTOXICOSIS-INDUCED FETAL HEART FAILURE.**

*M Sharifi, C Rea, K Navabi, MF Bouchonville and P Kapsner, Albuquerque, NM. University of New Mexico Health Sciences Center Abstract 49*

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2:30 pm – 3:30 pm Break and Poster Session

**POSTER SESSION I**

*Jointly sponsored by*

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WESTERN STUDENT MEDICAL RESEARCH FORUM

*Carpenter Hall*

**Thursday, January 23, 2014**

**12:30 PM – 5:30 PM**

*(Presenters in attendance from 2:30 pm to 3:30 pm)*

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<td>M Lamarche, K Hunter, E Mason, N Sidhu, MW Suen and V Kapoor, Vancouver, BC, Canada.</td>
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<td>L Tian and Y Liu, Shenyang, China. Shenyang University</td>
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**Developmental Biology**

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<td>GIANT ADRENAL MYELOLIOMAS IN A PATIENT WITH CONGENITAL ADRENAL HYPERPLASIA.</td>
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<td>M Taborzi, MF Bouchonville, J Hanson, M LeBlanc and P Kapsner, Albuquerque, NM. University of New Mexico School of Medicine</td>
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| 29            | **QUANTITATIVE ASSESSMENT OF FACIAL PARALYSIS USING FORMAL CONCEPT ANALYSIS IN BIOMEDICAL THERMAL IMAGES.**  
X Liu, Z Zhang and J Luan, Qinhuangdao, China. Northeastern University at Qinhuangdao  
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| 30            | **IDENTIFYING THE RELATIONSHIP BETWEEN THYROID DISEASE AND ALOPECIA AREATA, LICHEN PLANOPILARIS, AND FRONTAL FIBROSING ALOPECIA.**  
TQ Nguyen and C Goh, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)  
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T Crane, C Neece and E Tagge, Loma Linda, CA. Loma Linda University (WSMRF)  
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| 32                   | **LONGITUDINAL EVALUATION OF INFANT HEALTH IN THE NICU USING THE NEONATAL THERAPEUTIC INTERVENTION SCORING SYSTEM.**  
S Massatt and E Tagge, Loma Linda, CA. Loma Linda University School of Medicine  
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| 33       | **IS ISOTRETINOIN USE A RISK FACTOR FOR KELOID FORMATION? AN ILLUSTRATIVE CASE SERIES.**  
S Bowman, P Lewis, G Mattison, J Chidester and S Gupta, Redlands, CA. Loma Linda University School of Medicine  
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| 34       | **THE EFFECT OF THE TIMING OF HARD PALATE REPAIR ON MAXILLARY GROWTH IN THE PATIENT WITH A UNILATERAL CLEFT LIP AND PALATE: A SYSTEMATIC REVIEW.**  
B Gerke, M Hiersche, J Jones, P Lewis and M Martin, Loma Linda, CA. Loma Linda University (WSMRF)  
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| 35       | **ENERGY EVALUATION AND VISUALIZATION OF LASER FIBER CLEAVING TECHNIQUES.**  
J Vassantachart, A Yeo, J Maldonado, J Martin, M Lee, S Enegbretsen, M Alosyuf, G Olgin, M Lightfoot, R Li and D Baldwin, Loma Linda, CA and Colton, CA. Loma Linda University (WSMRF)  
**Abstract 84** |

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**CONCURRENT SESSIONS**

**Thursday, January 23, 2014**  
3:30 PM – 6:00 PM

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WESTERN STUDENT MEDICAL RESEARCH FORUM

**Behavior and Development I**

Promenade Lobby (Sunset Center)  
Nicole Tartaglia and Kathleen Angkustsiri, Presiding

3:30 | **CHARACTERISTICS OF CHILDREN WITH AUTISM BORN PREMATURELY.**  
J Scoble, R Hansen, P Krakowiak, M Underwood, I Hertz-Picciotto and K Angkustsiri, Sacramento, CA. University of California, Davis, Children’s Hospital  
**Abstract 85** |

3:45 | **INTERACTIVE EFFECTS OF COPY NUMBER VARIATION AND MATERNAL INFECTION ON AUTISM IMPAIRMENT.**  
V Mazina and R Bernier, Seattle, WA. University of Washington School of Medicine (WSMRF)  
**Abstract 86** |

4:00 | **State-of-the-Art Speaker**  
**PERINATAL RISK FACTORS FOR NEUROPSYCHIATRIC DISEASE.**  
Carol A. Matthews, University of California, San Francisco
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<td>SENSORY PROBLEMS IN PRETERM CHILDREN ARE ASSOCIATED WITH INCREASED RISK OF EXECUTIVE FUNCTION IMPAIRMENT.</td>
<td>JN Adams, HM Feldman, LC Huffman and IM Loe, Palo Alto, CA. Stanford University School of Medicine</td>
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<td>AUTISM SEVERITY IN CHILDREN EXPOSED TO MONOLINGUAL VERSUS BILINGUAL ENVIRONMENTS.</td>
<td>K Govindappa, P Krakowiak, K Angkustthiri and R Hansen, Sacramento, CA. University of California Davis (WSPR)</td>
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<td>5:00</td>
<td>CHANGE IN EXPRESSED EMOTION AS A MARKER FOR INTERVENTION EFFECTIVENESS IN PARENTS OF INDIVIDUALS WITH HIGH FUNCTIONING AUTISM.</td>
<td>M Steinfeld, J Jahnapurkar, K Singh, I Leckltier, A Schneider, J Gunther, D Roa and M Solomon, Sacramento, CA and Los Angeles, CA. University of California Davis</td>
<td>Abstract 89</td>
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<tr>
<td>5:15</td>
<td>GROSS MOTOR FUNCTION IMPROVES AFTER MYOFASCIAL STRUCTURAL INTEGRATION THERAPY IN YOUNG CHILDREN WITH SPASTIC CEREBRAL PALSY.</td>
<td>CA Bayesce, EC Loi, AB Hansen, KS Price, TM Jaramillo, E Pico and HM Feldman, Palo Alto, CA; Portland, OR; San Francisco, CA and Oakland, CA. Stanford University (WSPR Mead Johnson Travel Award Winner)</td>
<td>Abstract 90</td>
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<tr>
<td>5:30</td>
<td>TRANSITION OF HEALTH CARE FOR YOUTH WITH SPECIAL HEALTH CARE NEEDS USING EMR FOR TRAINING PEDIATRIC RESIDENTS.</td>
<td>G Mahajan, R Hansen, P Romano and U Shaiik, Sacramento, CA. University of California Davis (WSPR)</td>
<td>Abstract 91</td>
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<tr>
<td>5:45</td>
<td>THINNING OF THE LEFT ROSTRAL ANTERIOR CINGULATE AND LEFT MEDIAL ORBITOFRONTAL CORTICES IN ADOLESCENT FEMALES WITH ANTISOCIAL SUBSTANCE DEPENDENCE.</td>
<td>P Boulos, M Dalwani and J Sakai, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner) (WSMRF)</td>
<td>Abstract 92</td>
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### Global Health

Babcock #6 (Sunset Center)

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<th>Time</th>
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<th>Authors/Institutions</th>
<th>Abstract Number</th>
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<tr>
<td>3:30</td>
<td>EVALUATION OF A MALNUTRITION MANAGEMENT PROGRAM IN GUJARAT, INDIA.</td>
<td>R Patel, C Maloney, F Nkoy and B Fassl, Salt Lake City, UT. University of Utah (WSCI Travel Award Winner)</td>
<td>Abstract 93</td>
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<tr>
<td>4:00</td>
<td>ASSESSING THE IMPACT OF MATERNAL EDUCATION THROUGH COMMUNITY HEALTH WORKERS TO IMPROVE CHILD FEEDING PRACTICES IN RURAL KENYA.</td>
<td>ET Sheehan, A Chavez and R Milligan, Albuquerque, NM. University of New Mexico School of Medicine</td>
<td>Abstract 95</td>
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<tr>
<td>4:30</td>
<td>ADDRESSING BARRIERS TO CERVICAL CANCER SCREENING IN RURAL UGANDA.</td>
<td>C Stauder, Seattle, WA. University of Washington School of Medicine</td>
<td>Abstract 97</td>
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<tr>
<td>5:00</td>
<td>COMMUNITY HEALTH WORKERS IN NAKURU DISTRICT, KENYA: IMPROVING HEALTH PROGRAM EFFICACY THROUGH CONTINUING EDUCATION.</td>
<td>ZK Cross, Seattle, WA. University of Washington</td>
<td>Abstract 99</td>
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<td>5:15</td>
<td>EXPLORING HEALTH IDEAS AND PRIORITIES IN A REMOTE HIMALAYAN COMMUNITY SCHOOL IN INDIA USING MIXED QUALITATIVE METHODS.</td>
<td>T Wilson, L Ellingwood, K Gapp, G Ko and V Kapoor, Vancouver, BC, Canada. University of British Columbia</td>
<td>Abstract 100</td>
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<tr>
<td>5:30</td>
<td>INDIGENOUS FARMING PILOT AS WAY TO REDUCE POVERTY IN RURAL KENYA.</td>
<td>A Kernick, R Schomp and V Kapoor, Vancouver, BC, Canada. University of British Columbia</td>
<td>Abstract 101</td>
</tr>
<tr>
<td>5:45</td>
<td>COMMUNITY HEALTH EDUCATION AND PREVENTION OF INTESTINAL PARASITIC INFECTIONS IN LLAOQUEPATA, PERU.</td>
<td>Z Liao, Seattle, WA. University of Washington</td>
<td>Abstract 102</td>
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### Hematology and Oncology I

Green Room (Sunset Center)

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<tr>
<td>3:30</td>
<td>COMBINATORIAL ANTIGEN RECOGNITION BY ENGINEERED T CELLS.</td>
<td>AI Salter, L Liu and SR Riddell, Seattle, WA. University of Washington (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)</td>
<td>Abstract 103</td>
</tr>
</tbody>
</table>
3:45 RAPID, SENSITIVE IN VIVO TUMOR IMAGING WITH RATIO METRIC PEPTIDES.
C Felsen, E Savaria, N Nashi, T Jiang, L Ellies, P Steinbach, R Tsien and Q Nguyen, La Jolla, CA.
University of California, San Diego (WSMRF)

4:00 ARE CYSTIC GLIOBLASTOMA TUMORS DERIVED FROM LOW-GRADE GLIOMAS?
David Geffen School of Medicine at UCLA (WSMRF)

4:15 PROSPECTIVE PHASE II TRIAL OF INTRA-ARTERIAL YTTRIUM-90 RADIOEMBOLIZATION FOR METASTATIC LIVER TUMORS.
TJ McKay and J Geschwind, Seattle, WA and Baltimore, MD. University of Washington (WSMRF)

4:30 CHARACTERISTICS OF LONG TERM SURVIVORS TREATED ON ONCOLOGY PHASE I STUDIES.
GP Kaur, R Ramanathan, D Von Hoff, G Weiss, G Jameson, C Mast, E White, M Downhour and M Slater, Scottsdale, AZ and Tucson, AZ. Translational Genomics Institute (W AFMR)

4:45 USING VIRTUAL PATIENTS AND ONLINE LEARNING MODULES TO ENHANCE ONCOLOGY EDUCATION IN THE UNDERGRADUATE MEDICAL CURRICULUM.
P Verma, E Thau, S Li, S Hamilton, L Lai, A Lee and P Ingledew, Vancouver, BC, Canada and Surrey, BC, Canada. University of British Columbia

5:00 STEREOTACTIC BODY RADIATION THERAPY FOR HEPATIC TUMORS.
M Tang and P Lee, Los Angeles, CA. David Geffen School of Medicine at UCLA

5:15 THE COMBINATION OF MER AND FGFR INHIBITION SIGNIFICANTLY INHIBITS NON-SMALL CELL LUNG CANCER CELL LINE PROLIFERATION.
TP Newton, CT Cummings, G Kirkpatrick, L Heasley and D Graham, Aurora, CO. University of Colorado School of Medicine

5:30 USING TEXT MESSAGING TO IMPROVE APPOINTMENT ADHERENCE AMONG BURKITT LYMPHOMA PATIENTS IN UGANDA.
D Low, S Nabakooza, M Ndagire, S Gerds and E Sessle, Seattle, WA and Kampala, Uganda.
University of Washington School of Medicine

5:45 TARGETED RESPONSE IN PANCREATIC CANCER IN FUNCTIONAL IMAGING.
JY Lee, N Serkova and C Weekes, Aurora, CO. University of Colorado Anschutz Medical Campus

Neonatal Pulmonary II
Rehearsal Room (Sunset Center)
Vedang Londhe and Christian C. Yost, Presiding

3:30 PERINATAL NICOTINE EXPOSURE MODULATES PPAR-y EXPRESSION EPIGENETICALLY.
M Gong, A Vyas, J Liu and V Rehan, Torrance, CA. LA BioMed

3:45 PERINATAL NICOTINE EXPOSURE-INDUCED BONE MARROW-DERIVED MESENCHYMAL STEM CELL MYOGENIC DIFFERENTIATION IS MEDIATED BY TRANSCRIPTION FACTOR ZFPS21 AND MIR-30D.
M Gong, R Sakurai, J Liu, A Vyas, J Torday and V Rehan, Torrance, CA. LA BioMed

4:00 MATERNAL TOBACCO SMOKE EXPOSURE INCREASES LUNG STATIC COMPLIANCE IN FEMALE RAT OFFSPRING.
A Sainz, Y Wang, J Stiers, C Zou, M German, R Lane, K Albertine and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF)

4:15 CYCLIC NUCLEOTIDES DOWN REGULATE PAF RECEPTOR MEDIATED EFFECTS IN NEWBORN OVINE PULMONARY ARTERY SMOOTH MUSCLE: SIGNIFICANCE IN OXYGEN THERAPY OF PPHN.
M Hansoni, B Cruz, M Opene, V Narvaez and B Ibe, Torrance, CA. LA BioMed at Harbor-UCLA (WSPR Mead Johnson Travel Award Winner)

4:30 PHYSIOLOGIC EFFECTS OF INSPIRATORY VERSUS EXPIRATORY TIDAL VOLUME TARGETING IN A NEWBORN ANIMAL MODEL.

4:45 CHRONIC HYPOXIA SUPPRESSES MUSCARINIC INDUCED CONTRACTILITY IN INTACT OVINE PULMONARY ARTERIES.
M Ghang, R Pakz, J Kim, Q Blood, L Longo and SM Wilson, Loma Linda, CA. Loma Linda University

5:00 ELEVATED IGF-1 LEADS TO ALVEOLAR SIMPLIFICATION IN THE LUNG AT 3 DAYS OF VENTILATION OF PRETERM LAMBS.
MJ Dahl, J Wimmer, B Houston, L Dong, M McCoy, Z Wang, D Null, B Yoder, R DiGeronimo, R Lane and K Albertine, Salt Lake City, UT. University of Utah

5:15 FETAL MARKERS OF SEVERITY IN CONGENITAL DIAPHRAGMATIC HERNIA (CDH) PREDICT PERSISTENCE OF PULMONARY HYPERTENSION (PH).
K Wai, L Lusk, A Basta, AJ Moon-Grady, RA Filly and RL. Keller, San Francisco, CA. University of California, San Francisco (WSMRF)

5:30 LONGITUDINAL PLASMA ENDOThELIN-1 LEVELS IN PREMATURE INFANTS WITH AND WITHOUT BRONCHOPULMONARY DYSPLASIA.
C Johnson, R Chitkara, E McCarthy, JR Fineman, C Sun, L Kim, SR Hintz, KP Van Meurs, R Punn, CE Milla and JA Feinstein, Palo Alto, CA and San Francisco, CA. Stanford University
Neuroscience I
Chapman #4 (Sunset Center)
Marie-Francoise Chesselet, Presiding

3:30 BLOOD EXOSOMES: ANALYSIS OF ISOLATION VARIABLES AND A SOURCE OF BIOMARKERS FOR ALZHEIMER’S DISEASE.
C Harms, A Crofton, N Oh, K Howard, N Sanchez, M Zabel, T Antes, J Sethi and W Kirsch, Loma Linda, CA and Mountain View, CA. Loma Linda University (WSMRF)

3:45 COMPLEMENT-MEDIATED DEGENERATION OF MICROVASCULAR SMOOTH MUSCLE CELLS IN CEREBRAL AMYLOID ANGIOPATHY.
ER Milosavljevic, Loma Linda, CA. Loma Linda University School of Medicine

4:00 WIRELESS TECHNOLOGY TO ASSESS NEUROMOTOR FUNCTION DURING SUBSTANCE USE.
MJ Arnell, E Park, S Lee, C Li, R Getachew and DC Lu, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

4:15 BOTULINUM TOXIN FOR THE TREATMENT OF NEUROPATHIC PAIN: A REVIEW.
N Ghosh, Irvine, CA. School of Medicine, University of California, Irvine

4:30 EXAMINING THE BEHAVIORAL AFFECTS OF AGING ON FACE AND VOICE PROCESSING.
RR Liu, R Pancaroglu, C Hills and JJ Barton, Vancouver, BC, Canada. University of British Columbia (WSMRF)

4:45 CEREBELLAR NORADRENERGIC INNERVATION IS FUNDAMENTAL FOR THE ONSET OF PARKINSON DISEASE RELATED TREMOR - STUDY IN THE RESERPINIZED-RAT MODEL.
KL Pomykala, F Bolzoni, M Rattka, E Asan, J Volkman, C Ip, G Biella, P Cavallari and IU Isaia, Los Angeles, CA; Würzburg, Germany; Milano, Italy and Segrate, Italy. David Geffen School of Medicine at UCLA

5:00 REPURPOSING ANTIANGIOGENESIS DRUGS TO PREVENT HYPOXIC CEREBRAL INJURY.
S Tarshis and D Irwin, Colorado Springs, CO. University of Colorado School of Medicine (WSMRF)

5:15 BASAL GANGLIA CHANGES IN PRIMARY FOCAL DYSTONIA CORRELATE WITH INCREASED DEPRESSION AND ANXIETY SYMPTOMS.
R Tran, E Shelton and B Berman, Aurora, CO. University of Colorado School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)

5:30 A HYBRID METHOD FOR BRAIN TUMOR SEGMENTATION.
H Yang, Y Wang, L Zhao, Y Liu and S Tang, Beijing, China and Jinzhou, China. University of British Columbia

5:45 PATTERN OF BRAIN INJURY PREDICTS LONG TERM EPILEPSY FOLLOWING NEONATAL ENCEPHALOPATHY.
QH Xu, V Chau, S Miller and K Poskitt, Vancouver, BC, Canada and Toronto, ON, Canada. University of British Columbia

Pulmonary and Critical Care I
Studio 105 (Sunset Center)
Amir A. Zeki and Russell Klein, Presiding

3:30 LUNG TRANSPLANTATION FOR HYPERSENSITIVITY PNEUMONITIS.

3:45 PRE-LUNG TRANSPLANT FRAILTY IS COMMON, AND IS ASSOCIATED WITH POOR HEALTH-RELATED QUALITY OF LIFE.
M Dean, P Blanc, P Katz, S Hays, L Leard, J Golden, J Kukreja and J Singer, San Francisco, CA. University of California San Francisco

4:00 LUNG TRANSPLANT IMPROVES HEALTH RELATED QUALITY OF LIFE AT ONE YEAR AFTER TRANSPLANT.
M Dean, P Blanc, S Hays, L Leard, J Golden, J Kukreja and J Singer, San Francisco, CA. University of California San Francisco

4:15 IDENTIFYING AND VALIDATING NOVEL HEALTH-RELATED QUALITY OF LIFE DOMAINS IN LUNG TRANSPLANT.
J Chen, A Stewart, P Katz, P Blanc and J Singer, San Francisco, CA. University of California, San Francisco

Surgery A
Conductor's Room
Sarah Nelson, Presiding

3:30 ANALYZING THE OUTCOMES OF SURGICAL APPROACHES FOR SINONASAL AND ANTERIOR SKILL BASE TUMORS.
C Kumar and P Hwang, Palo Alto, CA. Stanford University School of Medicine

3:45 A COMPARISON OF SURGICAL OUTCOMES BETWEEN IN-HOURS AND AFTER-HOURS TRACHEOESOPHAGEAL FISTULA REPAIRS.
A Yeung and S Butterworth, Vancouver, BC, Canada. University of British Columbia (WSMRF)
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<tr>
<td>4:00</td>
<td>OUTCOMES OF SCLEROTHERAPY FOR THE TREATMENT OF VENOUS VASCULAR MALFORMATIONS.</td>
<td>J Gorman, M Bucevska, J Arneja and D Courtemanche, Vancouver, BC, Canada. University of British Columbia (WSMRF)</td>
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<td>4:15</td>
<td>LUMBAR MICRODISKECTOMY: RETROSPECTIVE CASE SERIES AND PREDICTIVE MODELING OF PATIENT OUTCOMES.</td>
<td>D Lu, D McArthur, L Holly and DC Lu, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)</td>
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<td>4:30</td>
<td>REVITALIZATION OF BONE ALLOGRAFT WITH HUMAN INDUCED PLURIPOTENT STEM CELLS.</td>
<td>B Davis, M Sauque, T Baldini, G Bilousova and K Payne, Aurora, CO. University of Colorado School of Medicine</td>
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<td>4:45</td>
<td>FACTORS AFFECTING USABILITY OF TECHNOLOGY IN THE OR: THE K-MOUSE USABILITY TEST.</td>
<td>M Phang, M Bucevska and D Courtemanche, Vancouver, BC, Canada. University of British Columbia</td>
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<td>5:00</td>
<td>ROTATOR CUFF MUSCLE MAPPING: DEPTHS OF SUPRASPINATUS AND INFRASPINATUS MUSCLES RELATIVE TO SKIN.</td>
<td>R McKnight, E Sato and SR Ward, San Diego, CA. University of California San Diego School of Medicine</td>
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<td>5:15</td>
<td>USE OF EPIDERMAL HARVESTING SYSTEM: A CASE SERIES.</td>
<td>R Erdwins, R Sobota and A Gabriel, Tacoma, WA and Vancouver, WA. Pacific Lutheran University</td>
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<td>5:30</td>
<td>DESCEMET'S STRIPPING AUTOMATED ENDOTHELIAL KERATOPLASTY RESULTS OF VISUAL RECOVERY, ENDOTHELIAL CELL LOSS, AND EARLY COMPLICATIONS OF A SINGLE SURGEON USING THE TERRY TECHNIQUE.</td>
<td>A Truong, J Lee, L Cuzzo and N Shamie, Irvine, CA and Los Angeles, CA. University of California, Irvine School of Medicine (WSMRF)</td>
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<td>5:45</td>
<td>PRE-TRANSPLANT 6-MINUTE WALK TEST PREDICTS EARLY POST-OPERATIVE AMBULATION AND OUTCOMES AFTER LUNG TRANSPLANTATION.</td>
<td>S Sterrenberg, S Kuttykrishnan, M Zadworny and AM Cheng, Seattle, WA. University of Washington</td>
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**Surgery I**

Bingham Room #3 (Sunset Center)

Edward D. Auyang and Rebecca Petersen, Presiding

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<tr>
<td>3:30</td>
<td>BEVACIZUMAB TREATMENT IN GIOBLASTOMA PATIENTS IS ASSOCIATED WITH AN INCREASED DEVELOPMENT OF SECONDARY GLIOSARCOMA.</td>
<td>C Fong, M Spasic, F Chow, W Choy and I Yang, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)</td>
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<td>147</td>
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<td>3:45</td>
<td>COMMUNITY-PARTNERED COLLABORATION TO BUILD AN INTEGRATED PALLIATIVE CARE CLINIC: THE VIEW FROM UROLOGY.</td>
<td>E Ballon-Landa, J Bergman, KA Lorenz, J Saucedo, C Saigal, CI Bennett and MS Litvin, Irvine, CA; Lo Smith and D Baldwin, Santa Monica, CA and Santa Monica, CA. University of California, Irvine School of Medicine (WSMRF)</td>
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<td>4:00</td>
<td>DOES SYSTEMIC ILLNESS IMPACT PAIN THRESHOLDS IN CHILDREN UNDERGOING APPEndECTOMY?</td>
<td>P Davis, C Daum, R Romanu, R Stoelk, M Hassanian, E Tagge, A Hanna and R Applegate, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)</td>
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<td>4:15</td>
<td>IMPACT OF PORT-LESS NEEDLESCOPIC INSTRUMENTS ON COSMESIS IN THE PORCINE MODEL.</td>
<td>J Vassantachart, J Martin, J Maldonado, M Lee, A Yeo, M Alysouf, S Engebretsen, G Olgin, M Lightfoot, R Li, ME Hill and D Baldwin, Loma Linda, CA. Loma Linda University (WSMRF)</td>
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<td>4:30</td>
<td>CERCLAGE WIRE: PRIMARY FIXATION METHOD FOR LONG SPIRAL FRACTURES IN LONG BONE.</td>
<td>S Epperly, C Burke, W Dajnowicz, H Basmajian, S Inceoglu and G Botimer, Loma Linda, CA. Loma Linda University (WSMRF)</td>
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<td>4:45</td>
<td>COMPARISON OF LARYNGOSCOPES FOR ENDOTRACHEAL INTUBATION BY TRAINEES IN CHILDREN UNDER 2.</td>
<td>C Daum, M Vadi, E Ghazal and R Applegate, Loma Linda, CA. Loma Linda University (WSMRF)</td>
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<td>5:00</td>
<td>SPY IMAGING USE IN POST-MASTECTOMY BREAST RECONSTRUCTION PATIENTS: PREVENTATIVE OR CONSERVATIVE?</td>
<td>P Lewis, G Mattison, H Kim and S Gupta, Loma Linda, CA. Loma Linda University</td>
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<td>5:15</td>
<td>LASER-GUIDED PERCUTANEOUS ACCESS—A NOVEL TECHNIQUE EVALUATED IN A BENCHTOP MODEL.</td>
<td>J Martin, M Lee, J Vassantachart, J Maldonado, A Yeo, G Olgin, M Lightfoot, R Li, S Engebretsen, JC Smith and D Baldwin, Loma Linda, CA. Loma Linda University (WSMRF)</td>
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<td>5:30</td>
<td>ORAL VERSUS INTRAVENOUS ACETAMINOPHEN FOR PRIMARY PEDIATRIC CLEFT PALATE REPAIR: A RANDOMIZED CONTROLLED TRIAL.</td>
<td>P Davis, J Ratsu, C Nour, M Martin, A Ray and R Applegate, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)</td>
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5:45  A RETROSPECTIVE ANALYSIS OF THE ROLE OF PERIOPERATIVE PATIENT TEMPERATURE IN LOWER EXTREMIT Y FREE FLAP RECONSTRUCTION.
S Bowman, P Lewis, J Vogel and S Gupta, Redlands, CA. Loma Linda University School of Medicine

STUDENT SUBSPECIALTY AWARD POSTER SESSION AND RECEPTION

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

Carmel Women’s Club
Thursday, January 23, 2014
6:00 PM – 7:30 PM

Poster Number

36  SKELETAL MUSCLE SPASTICITY RESULTS FROM SATELLITE CELL DEFICIENCY.
V Lyubasyuk, B McKay, S Dayanidhi, H Chambers and RL Lieber, La Jolla, CA; San Diego, CA and Hamilton, ON, Canada. University of California San Diego (WSPR Subspecialty Award Winner)

37  THINNING OF THE LEFT ROSTRAL ANTERIOR CINGULATE AND LEFT MEDIAL ORBITOFRONTAL CORTICES IN ADOLESCENT FEMALES WITH ANTISOCIAL SUBSTANCE DEPENDENCE.
P Boulos, M Dalwani and J Sakai, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner) (WSMRF)

38  VENTRICULAR ASSIST DEVICE COMPLICATIONS ON THE WAITING LIST AND POST-HEART TRANSPLANT OUTCOMES.
M Siu, Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center (WAFMR/WAP Student Subspecialty Award Winner)

39  CONGREGATION-BASED INTERVENTION IN RESOURCE LIMITED SETTINGS: IMPLEMENTATION CHALLENGES & LESSONS LEARNED.
C Akondeng, EE Ezearo, A Ogidi, A Osuji, M Obiefune and J Ehiri, Las Vegas, NV; Tucson, AZ and Enugu, Nigeria. University of Nevada Las Vegas (WAFMR/WAP Student Subspecialty Award Winner)

40  CHARACTERIZATION OF PRDM15 EXPRESSION DURING RETINAL DEVELOPMENT.
J Adewumi, J Brzezinski and K Park, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner)

41  ROLE OF ADIPOSE TISSUE HYPOXIA IN INSULIN RESISTANCE.
B Bredbeck, H Lawler, C Erickson and N Rasouli, Aurora, CO and Denver, CO. University of Colorado (WSPR/WAFMR Student Subspecialty Award Winner)

42  INFLAMMATORY COLITIS, LYMPHATIC INSUFFICIENCY, AND PROGRESSION TO COLORECTAL CANCER IN AN EXPERIMENTAL MOUSE MODEL.
J Washington, S Duley, A Rodriguez, M Bernas, J Thorn, S Alexander and M Witte, Tucson, AZ and Shreveport, LA. University of Arizona (WAFMR/WAP Student Subspecialty Award Winner) (WAFMR)

43  MULTIPLE CHOICE AND IMAGE MAPPED ONLINE MODULES FOR TEACHING THORACIC RADIOLOGIC ANATOMY.
M Sue, K Brown, Z Gu and S Krasne, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WAP Student Subspecialty Award Winner)

44  ANALYZING THE CLINICAL INDICATIONS WHEN TESTING FOR LYNCH SYNDROME USING NEXT GENERATION SEQUENCING.
M Perez, C Gallego, R Bennett and G Jarvik, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)

45  INTERIM RESULTS: AN INNOVATIVE COMBINATION OF EXCIMER LASER, CLOBETASOL SPRAY, AND CALCITRIOL OINTMENT FOR THE TREATMENT OF PSORIASIS.
G Brown, MG Debbaneh, E Wang, M Malakouti, E Levin, A Leon and J Koo, San Francisco, CA. University of California San Francisco (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)

46  COMBINATORIAL ANTIGEN RECOGNITION BY ENGINEERED T CELLS.
A I Salter, L Liu and SR Riddell, Seattle, WA. University of Washington (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)
JOINT PLENARY SESSION
PERSONALIZED MEDICINE AND TECHNOLOGY

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

Sunset Center Theater
Friday, January 24, 2014
8:00 AM – 11:45 AM

Alkesh Jani and Robin Ohls, Presiding

8:00  WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD
THE IMPACT OF PEDIATRIC DETERGENT POD EXPOSURES IN THE UNITED STATES IN 2012.  
A Valdez, M Casavant, T Chounthirath, H Spiller, H Xiang and G Smith, Seattle, WA and Columbus, OH.  
University of Washington School of Medicine (WSMRF)  
Abstract 177

8:15  WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD
INHALED VITAMIN D, A NOVEL STRATEGY TO ENHANCE NEONATAL LUNG MATURATION.  
S Taylor, R Sakurai, M Husain, A Vyas, J Liu and V Rehan, Torrance, CA. LA BioMed  
Abstract 178

8:30  WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD
TARGETING MYOBLAST PROLIFERATION TO IMPROVE SKELETAL MUSCLE GROWTH IN IUGR.  
Laura Davidson Brown, University of Colorado  
Abstract 179

8:50  WSPR STANLEY WRIGHT MEMORIAL LECTURE
EPIGENETICS: THE FUTURE OF PERSONALIZED MEDICINE.  
Robert Lane, Medical College of Wisconsin - Children’s Hospital of Wisconsin

9:35  WSPR JOSEPH W. ST. GEME, JR. EDUCATION AWARD
William W. Hay, Jr., University of Colorado

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9:45 – 10:00 Intermission

Amir Zeki and Joshua Goldhaber, Presiding

10:00 E.E. OSGOOD AWARD
NEONATAL NET-INHIBITORY FACTORS IMPROVE SURVIVAL IN MURINE MODELS OF SEPSIS.
J Wallace, M Cody, R Campbell, A Vieira-de-Abreu, C Araujo and CC Yost, Salt Lake City, UT. University of Utah

10:15 WAFMR OUTSTANDING INVESTIGATOR AWARD
MEVALONATE PATHWAY REGULATION OF ALLERGIC ASTHMA: THE EOTAXINS, EOSINOPHILS, AND BEYOND.
AA Zeki, S Ott, K Sandhu and R Wu, Sacramento, CA. University of California, Davis School of Medicine (WAFMR)

10:30 WSCI OUTSTANDING INVESTIGATOR AWARD
SEX, SHEDDING AND SUPPRESSION - THE HSV STORY.
Anna Wald, University of Washington School of Medicine

11:00 WAP DISTINGUISHED LECTURESHIP
TOOLS OF GENOMIC MEDICINE OF USE TO THE PHYSICIAN IN PRACTICE.
Mary-Claire King, University of Washington School of Medicine

11:30 WSCI MAYO SOLEY AWARD
Presenter: Kathleen Page, University of Southern California Keck School of Medicine
Recipient: Thomas Buchanan, University of Southern California Keck School of Medicine

11:45 MEMORIUM - George Merriam, MD
Presenter: Karen Foster-Schubert

ADJOURN

INVESTIGATOR WORKSHOP

Friday, January 24, 2014
11:30 AM – 12:30 PM

The American Federation for Medical Research and the Tri-Societies are pleased to sponsor a workshop for Fellows and Junior Faculty. This workshop will take place on Thursday and Friday. Lunch will be provided.

Sunset Center – Green Room

RESEARCH TRAINING IN THE ERA OF TEAM SCIENCE: WHAT SKILLS WILL BE NEEDED IN THE FUTURE?
Nicholas Kenyon, University of California, Davis

CONCURRENT SESSIONS

Friday, January 24, 2014
12:30 PM – 2:30 PM

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

Adolescent Medicine and General Pediatrics I .................................................................Studio 105
Behavior and Development II .................................................................Conductor’s Room
Cardiovascular II .................................................................Promenade Lobby
Endocrinology and Metabolism II .................................................................Bingham #3
Gastroenterology .................................................................Babcock #6
Genetics .................................................................Rehearsal Room
Neonatology – General II .................................................................Chapman #4

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Adolescent Medicine and General Pediatrics I
Studio 105 (Sunset Center)
Colin White and Grace Aldrovandi, Presiding

12:30 IMPLEMENTATION AND EVALUATION OF A PEDIATRIC CONTINUITY CLINIC CURRICULUM.
TJ Eskelsen, B Huang, A Bechtol and K Schlauch, Las Vegas, NV and Reno, NV. University of Nevada School of Medicine
Abstract 181

12:45 TRAINING BREASTFEEDING PEER COUNSELORS IN ST. MARIES.
K Sirois, Seattle, WA. University of Washington School of Medicine
Abstract 182

1:00 UCLA EMERGENCY DEPARTMENT USE OF ULTRASOUND IN DIAGNOSING PEDIATRIC APPENDICITIS.
JJ Mayne and M Briggs-Malonson, Los Angeles, CA. David Geffen School of Medicine at UCLA
Abstract 183

1:15 EFFECTS OF NITROSOTHIOLS ON METHACHOLINE-CONSTRICTED AIRWAY SMOOTH MUSCLE ISOLATED FROM ADULT RATS.
A Yeo, T Liu, M Liu, D Noriega, SM Wilson and AB Blood, Loma Linda, CA. Loma Linda University (WSMRF)
Abstract 184

1:30 PREGNANCY OUTCOMES IN MAPLE SYRUP URINE DISEASE.
M Sparks, C Lee, B Li and D Packman, San Francisco, CA. University of California, San Francisco
Abstract 185

1:45 EVALUATION OF OWNERSHIP AND USAGE OF BEDNETS AMONG THE POPULATION OF SOROANO, GHANA.
M Ngumi, A Wetzel, S Gustafson and D Rickard, Los Angeles, CA and Humjimbre, Ghana. Charles R. Drew School of Medicine and Science (WSMRF)
Abstract 186

2:00 State-of-the-Art Speaker
RACE TO CURE: ADVANCES IN THE QUEST FOR HIV CURE.
Grace Aldrovandi, Children's Hospital Los Angeles

Behavior and Development II
Conductor's Room
Jean Lowe and Shrena Patel, Presiding

12:30 EARLY MATERNAL RESPONSIVENESS AND LATER LANGUAGE DEVELOPMENT IN INFANTS AT RISK FOR AUTISM SPECTRUM DISORDER.
C Min-Venditti, C Harker, L Ibáñez and W Stone, Seattle, WA. University of Washington School of Medicine
Abstract 187

12:45 EFFECTS OF ERYTHROPOIESIS STIMULATING AGENTS AND PARENTAL STRESS ON DEVELOPMENT OF FORMER PRETERM INFANTS.
M Aragon, A Nim, J Lowe and RK Ohls, Albuquerque, NM. University of New Mexico School of Medicine
Abstract 188

1:00 A STUDY OF STEREOTYPE THREAT AND ACADEMIC PERFORMANCE AMONG UNDERREPRESENTED PRE-MEDICAL AND PRE-DENTAL STUDENTS.
K Houston, M Vermillion, L Doyle and S Uijtdehaage, Los Angeles, CA. David Geffen School of Medicine at UCLA
Abstract 189

1:15 IMPROVING EARLY SCREENING AND DIAGNOSIS OF AUTISM IN UNDERSERVED POPULATIONS IN ARIZONA THROUGH THE ARIZONA LEADERSHIP EDUCATION IN NEURODEVELOPMENTAL AND RELATED DISABILITIES PROGRAM.
A Tsontakis, J Andrews and S Rice, Tucson, AZ. University of Arizona College of Medicine (WSMRF)
Abstract 190

1:30 APPLES: A POSITIVE AFFECT INTERVENTION TO REDUCE STRESS FOR DISADVANTAGED STUDENTS PREPARING FOR THE DENTAL ADMISSIONS EXAM.
S Borovska, I Seliverstov, B Roykh and JT Moskowitz, San Francisco, CA and Ann Arbor, MI. University of California, San Francisco Other Center for Integrative Medicine (WSMRF)
Abstract 192

1:45 EFFECTS OF BREAST MILK AND INFANT FORMULA ON 2ND TO 4TH DIGIT RATIOS.
K Chan, J Martin, K Chan and D Franco, Pomona, CA. Western University of Health Sciences
Abstract 193

2:00 EFFECTS OF BREAST MILK ON LONGITUDINAL BONE GROWTH MEASURED BY DIGIT TO STATURE RATIO IN CHILDREN.
J Yo, J Martin, K Chan and D Franco, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific
Abstract 194

Cardiovascular II
Promenade Lobby (Sunset Center)
Joshua I. Goldhaber and David S. Owens, Presiding

12:30 State-of-the-Art Speaker
CALCIFIC AORTIC STENOSIS: A DISEASE COMES OF AGE.
David S. Owens, University of Washington
Abstract 195

1:00 VENTRICULAR ASSIST DEVICE COMPLICATIONS ON THE WAITING LIST AND POST-HEART TRANSPLANT OUTCOMES.
M Siu, Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center (WAFMR/WAP Student Subspecialty Award Winner)
Abstract 196

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119
1:15 DONOR HEIGHT VS. WEIGHT: IS ONE MORE IMPORTANT THAN THE OTHER?
K Murayama, Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 196

1:30 SENSITIZED VENTRICULAR ASSIST DEVICE PATIENTS VS. SENSITIZED NON-VENTRICULAR ASSIST DEVICE PATIENTS: IS THERE AN IMMUNOLOGICAL DIFFERENCE?
A Ngan, Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 197

1:45 IS A LOWER CYLEX SCORE HELPFUL IN PREVENTING THE DEVELOPMENT OF CIRCULATING ANTIBODIES AFTER HEART TRANSPLANTATION?
J Yabuno, Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
Abstract 198

CANCELLED

2:00 CLOPIDOGREL RESISTANCE & PLATELET REACTIVITY IN HISPANIC FEMALES POST CORONARY INTERVENTION.
S Ng, S Jayasuriya and KS Lee, Tucson, AZ. University Arizona College of Medicine (WAFMR)
Abstract 200

2:30 pm – 3:30 pm Break and Poster Session

Endocrinology and Metabolism II
Bingham Room #3 (Sunset Center)
Kristina M. Utzschneider and Karen Foster-Schubert, Presiding

12:30 OGTT MODELED BETTA-CELL FUNCTION MEASURES PREDICT INCIDENT DIABETES.
KM Utzschneider, A Largajolli, A Bertoldo, D Leonetti, M McNeely, W Fujimoto, C Cobelli, SE Kahn and E Boyko, Seattle, WA and Padua, Italy. VA Puget Sound Health Care System (WAFMR)
Abstract 201

12:45 ASSIGNING GLYCEMIC STATUS BY AIC OR ORAL GLUCOSE TOLERANCE TEST AMONG HISPANICS AND NON-HISPANIC WHITES IN NEW MEXICO.
JE Camacho, V Shah, C Wong and M Burge, Albuquerque, NM. University of New Mexico
Abstract 202

1:00 PREVALENCE OF DYSGLYCEMIA BY TANNER STAGE IN OBSESE YOUTH.
J Adams, C Chan, M Cree-Green, L Pyle, K Nadeau and MM Kelsey, Aurora, CO and Colorado Springs, CO. University of Colorado-Colorado Springs
Abstract 203

1:15 EFFECT OF DIET INTERVENTION ON INFLAMMATORY RELATED GENE EXPRESSION IN CD14+ CIRCULATING MONOCYTES FROM METABOLIC SYNDROME PATIENTS.
SK Deo and D Sears, San Diego, CA. University of California, San Diego, School of Medicine
Abstract 204

1:30 IS SENSIBLE USE OF GLYCATED ALBUMIN REALISTIC IN PATIENTS WITH DIABETES MELLITUS-THE SUGAR STUDY.
JH Chao, A Sussman and IB Hirsch, Seattle, WA and Renton, WA. University of Washington
Abstract 205

1:45 IMPACT OF LESS INTENSIVE GLYCEMIC TARGET FOR A SUBCUTANEOUS INSULIN PROTOCOL ON OUTCOMES IN HOSPITALIZED PATIENTS.
KE Izura, G Kaur, B Markley and K Schlauch, Las Vegas, NV and Reno, NV. University of Nevada School of Medicine (WAFMR)
Abstract 206

2:00 INSULIN PUMP PROGRAMMING DOES NOT ERADICATE THE DAWN PHENOMENON.
J Jaghab, MF Bouchonville, E Duran-Valdez, RM Schrader and DS Schade, Albuquerque, NM. University of New Mexico Health Sciences Center (WAFMR)
Abstract 207

2:15 PERFORMANCE OF STATSTRIP® GLUCOSE MONITOR IN HYPERGLYCEMIC CLAMPS IN A PEDIATRIC POPULATION.
KA Lindquist, S Campbell, M Cree-Green, R Morehead, A West, TS Isbell, L Pyle and K Nadeau, Worcester, MA; Aurora, CO and Waltham, MA. University of Massachusetts Medical School (WSMRF)
Abstract 208

2:30 pm – 3:30 pm Break and Poster Session

Gastroenterology
Babcock #6 (Sunset Center)
Dave Evans and Nancy J. Shelby, Presiding

12:30 INFLAMMATORY COLITIS, LYMPHATIC INSUFFICIENCY, AND PROGRESSION TO COLORECTAL CANCER IN AN EXPERIMENTAL MOUSE MODEL.
J Washington, S Daley, A Rodriguez, M Bernas, J Thorn, S Alexander and M Witte, Tucson, AZ and Shreveport, LA. University of Arizona (WAFMR/WAP Student Subspecialty Award Winner) (WAFMR)
Abstract 209

12:45 ANTI-INFLAMMATORY ROLE OF IFN-γ AND THE IL-10 RECEPTOR IN THE RESTITUTION OF BARRIER FUNCTION AND RESOLUTION OF INFLAMMATORY BOWEL DISEASE.
T Vickery, C Kelly, E Dobrinskikh, E Campbell, K Wilson, A Bayless, B Saedi, L Glover, S Colgan and D Kominsky, Denver, CO. University of Colorado School of Medicine
Abstract 210

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1:00 EXPRESSION OF CAV1.3 CALCIUM CHANNEL IN THE GASTROINTESTINAL TRACT AND KIDNEY.
N Dehdashti, V Radhakrishnan, P Kojs, P Kiela and F Ghishan, Tucson, AZ. The University of Arizona College of Medicine

1:15 ANALYSIS OF ABDOMINAL ACOUSTIC AND MOTOR PROFILES OF PATIENTS WITH POSTOPERATIVE ILEUS USING THE NOVEL ABSTATS MONITORING SYSTEM.
VC Tashjian, W Kaiser and B Spiegel, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

1:30 ANTIBODY-MEDIATED REJECTION: AN IMPORTANT AND UNDERDIAGNOSED CAUSE OF LIVER GRAFT DYSFUNCTION.
S Bhattacharyya, E Swanson, B Naini and L Wozniak, Los Angeles, CA. David Geffen School of Medicine at UCLA

1:45 OUTCOMES AND COMPLICATIONS OF CAPSULE ENDOSCOPY IN A COMMUNITY GASTROENTEROLOGY PRACTICE.
JD Smith and CM Gonzales, Ogden, UT. Weber State University

2:30 pm – 3:30 pm Break and Poster Session

Genetics
Rehearsal Room (Sunset Center)
Alan Rope and David Viskochil, Presiding

12:30 QUANTITATIVE REAL TIME PCR ANALYSIS OF A CASE OF SQUAMOUS CELL CARCINOMA ARISING FROM KERATOCANTHOMA VERIFIES DIFFERENTIAL GENE EXPRESSION.
C Ni, A Su, S Ra and S Binder, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

12:45 GALACTOSE DETERMINES ADENO-ASSOCIATED VIRUS SEROTYPE 9’S CONE PHOTORECEPTOR TROPISM.
T Marshall, H Turunen, E Plovie, R Chang, L Carvalho, R Xiao and LH Vandenbergh, Seattle, WA and Boston, MA. University of Washington School of Medicine (WSMRF)

1:00 EXPANDING THE CLINICAL PHENOTYPE OF HDAC8 MUTATIONS.
PS Atwal and L Hudgins, Sunnyvale, CA. Stanford (WSPR Mead Johnson Travel Award Winner)

1:15 TRANSCRIPT CHARACTERIZATION OF THE HUMAN-SPECIFIC NEURAL GENE HYDIN2.
M Dougherty, X Nuttle and E Eichler, Seattle, WA. University of Washington School of Medicine

1:30 FUNCTIONAL EXONIC SPLICING ELEMENTS DETERMINED BY MASSIVELY MULTIPLEX GENOME ENGINEERING.
GM Findlay, E Boyle and J Shendure, Seattle, WA. University of Washington

1:45 ANALYSIS OF PRDM9 SHOWS SIGNIFICANT DIVERSITY AND POINTS TOWARD A POTENTIAL SPECIATION GENE IN PRIMATES.
DJ Roach, J Schwartz and J Shendure, Seattle, WA. University of Washington (WSMRF)

2:00 ANALYZING THE CLINICAL INDICATIONS WHEN TESTING FOR LYNCH SYNDROME USING NEXT GENERATION SEQUENCING.
M Perez, C Gallego, R Bennett and G Jarvik, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)

2:15 COMBINING HOMOZYGOSTY AND TARGETED OR EXOME SEQUENCING TO DIAGNOSE RARE GENETIC DISORDERS.
AE Beck, HM Ismail, F Delgado, JHConta, IA Glass, C Curry, C Pihoker and KD Tsuchiya, Seattle, WA; Fresno, CA and San Francisco, CA. Seattle Children’s Hospital

2:30 pm – 3:30 pm Break and Poster Session

Neonatology - General II
Chapman #4 (Sunset Center)
Erika Fernandez and Elizabeth Rogers, Presiding

12:30 A RANDOMIZED CLINICAL TRIAL OF THERAPEUTIC HYPOTHERMIA DURING TRANSPORT FOR HYPOXIC ISCHEMIC ENCEPHALOPATHY: DEVICE SERVO-REGULATED COOLING VERSUS STANDARD PRACTICE.
V Akula, P Joe, K Thussu, S Kim, T Shimotake, S Butler, J Honold, MW Kuzniiewicz, G DeSandra, AS Davis, JB Gould, K Randall, M Wallenstein and KP Van Meurs, Palo Alto, CA; San Francisco, CA; Oakland, CA; Sacramento, CA; Madera, CA; San Jose, CA; San Diego, CA and Loma Linda, CA. Stanford University School of Medicine

12:45 DANCE (DBAR BE ADMINISTRATION IN NEWBORNS UNDERGOING COOLING FOR ENCEPHALOPATHY): SAFETY AND PHARMACOKINETIC TRIAL.
JK Roberts, J Beachy, B Yoder, R Ward, C Sherwin, M Spigarelli, R DiGeronimo, RK Ohls, W Walsh, D Mayock, S Jaul, R Christensen and M Baserga, Salt Lake City, UT; Albuquerque, NM; Nashville, TN; Seattle, WA and Ogden, UT. University of Utah
1:00 THE ROLE OF MATERNAL IMMUNE ACTIVATION IN EPILEPSY.
JA Washington, E Pineda, D Shim, A Mazarati and R Sankar, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

1:15 ERYTHROCYTE STIMULATING AGENT EFFECTS ON MAGNETIC RESONANCE SPECTROSCOPY IN CHILDREN BORN PREMATURELY.

1:30 EVALUATION OF WHITE MATTER VOLUMES IN FORMER PRETERM INFANTS TREATED WITH ERYTHROPOEISIS STIMULATING AGENTS.
D McCall, J Lowe, J Phillips, A Caprihan, H Peceny, DC Cannon, S Peceny and RK Ohls, Albuquerque, NM. University of New Mexico (WSMRF Abbott Nutrition Resident Research Award)

1:45 HISTONE MODIFICATIONS IN CORTICAL WHITE MATTER AT 3D OF VENTILATION DO NOT PERSIST IN FORMER PRETERM LAMBS.
A Havlicak, K Rinehart, L Dong, Z Wang, MJ Dahl, D Null, B Yoder, R DiGeronimo, R Lane and K Albertine, Salt Lake City, UT and Appleton, WI. University of Utah

2:00 MECHANICAL VENTILATION INCREASES EXPRESSION OF INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 5 IN RENAL CORTEX OF PRETERM LAMBS.
E Staub, L Dong, A Blair, MJ Dahl and K Albertine, Salt Lake City, UT. University of Utah

2:15 VENTILATION DECREASES CAPILLARY SURFACE DENSITY IN RENAL OUTER CORTEX OF PRETERM LAMBS.
E Staub, Z Wang, MJ Dahl, A Blair and K Albertine, Salt Lake City, UT. University of Utah

2:30 pm – 3:30 pm Break and Poster Session

POSTER SESSION II

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

Carpenter Hall
Friday, January 24, 2014
12:30 PM – 5:30 PM
(Presenters in attendance from 2:30 pm to 3:30 pm)

Genetics
Health Care Research
Hematology and Oncology
Immunology and Rheumatology
Infectious Diseases
Neonatal Pulmonary
Neonatology – General
Surgery

Poster Number

56 PERICARDIAL AND DIAPHRAGMATIC DEFECT, GALL BLADDER AGENESIS WITH CATARACTS AND SEVERE OPHTHALMOLOGIC COMPlications: RARE 1Q41 DUPLICATION.
A Alhariri, A Slavotinek and J Shieh, San Francisco, CA. University of California, San Francisco

57 PHENOTYPIC DIVERSITY IN PATIENTS DIAGNOSED WITH VACTERL ASSOCIATION.
M Hasain, M Wencel and V Kimonis, Irvine, CA. University of California, Irvine, School of Medicine (WSMRF)

58 PREVIOUSLy UNREPORTED NOVEL MUTATION IN COL1A2 WITH UNUSUAL PRESENTATION OF OSTEOGENESIS IMPERFECTA.
W Lapcharoensap, S Moses, PJ Gold, TA Merritt and J Gold, Loma Linda, CA; Irvine, CA and Coventry, United Kingdom. Loma Linda University Medical Center

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<td>A CASE OF HETEROTAXY SYNDROME IN ONE TWIN OF A MONOCHORIONIC MONOAMNIOTIC PAIR.</td>
<td>T Sparks and A Slavotinek, San Francisco, CA. University of California, San Francisco</td>
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<td>RARE AND NOVEL FEATURES OF 49, XXXXY SYNDROME.</td>
<td>L Wong and LM Bird, San Diego, CA. Rady Children’s Hospital of San Diego, University of California</td>
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<td>ASSESSING PATIENT SATISFACTION AT CHILDREN’S HOSPITAL OF NEVADA OF UNIVERSITY MEDICAL CENTER.</td>
<td>SJ Das and S Gill, Las Vegas, NV. University of Nevada School of Medicine (WAFMR)</td>
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<td>RT Granata and GM Vilke, La Jolla, CA. University of California, San Diego</td>
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<td>PROMOTING SHARED DECISION-MAKING IN PATIENTS WITH MILD HEAD INJURY.</td>
<td>DM Harris, HK Kanzaria and JR Hoffman, Los Angeles, CA. David Geffen School of Medicine at UCLA</td>
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<td>ASSESSING CROSS-CULTURAL EQUIVALENCE OF A DECISION AID FOR SPANISH-SPEAKING MEN WITH PROSTATE CANCER: A SYSTEMATIC TRANSLATION PROCESS.</td>
<td>TR Hubbard, AL Kaplan, JD Saucedo and C Saigal, MPH, MD, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)</td>
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<td>A COMPARISON OF VARIOUS CONTEMPORARY METHODS TO PREVENT A WET CAST.</td>
<td>S Nguyen, M Mcdowell and J Schlechter, Pomona, CA and Fullerton, CA. College of Osteopathic Medicine of the Pacific (WSMRF)</td>
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<td>TYMPANIC TEMPERATURE AGREEMENT WITH VISCERAL TEMPERATURE BEFORE, DURING AND AFTER MAXIMAL BRUCE PROTOCOL TREADMILL EXERCISE.</td>
<td>LW Raymond and JD Willoughby, Charlotte, NC. University of North Carolina at Chapel Hill (WAFMR)</td>
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<td>STRESS ELECTROCARDIOGRAPHY IN FIREFIGHTERS: WHAT DID WE LEARN, WHAT DID WE DO?</td>
<td>LW Raymond, JD Willoughby, C Grome, L Keene and C Ghianni, Charlotte, NC. University of North Carolina at Chapel Hill</td>
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<td>ADDRESSING YOUTH HEALTH CHALLENGES USING PARTICIPATORY ACTION RESEARCH AND TECHNOLOGY.</td>
<td>LJ Robertson, G Dumont and A Junker, Vancouver, BC, Canada. University of British Columbia</td>
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<td>A DIGITAL HEAD PHANTOM FOR SIMULATIONS OF AN EXPERIMENTAL PROTON CT SCANNER.</td>
<td>A Selchau, M Choe, D Gonzales, V Giacometti and R Schulte, Loma Linda, CA; Colleagedale, TN and Wollongonong, NSW, Australia. Loma Linda University</td>
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<td>A COMPARISON OF PRIMARY HEALTH CARE IN CUBA AND CANADA.</td>
<td>NSimula, K Eggink and A Mejia-French, Vancouver, BC, Canada. University of British Columbia</td>
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<td>DIAGNOSTIC IMAGING VIEWERS USED WHILE ON-CALL: A NATIONAL SURVEY OF CHIEF RESIDENTS AND PROGRAM DIRECTORS IN RADIOLOGY.</td>
<td>JA Tesoriero and A Hasso, Irvine, CA and Orange, CA. University of California, Irvine School of Medicine (WSMRF)</td>
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<td>ANTI-MICROBIAL EFFECTS OF AND GC-MS ANALYSIS OF CHEMICAL CONSTITUENTS OF VOLATILE EXTRACTS FROM SEMEN CASSIAE.</td>
<td>L Wang, M Liu, D Yang and S Wang, Zhubai, China and Changchun, China. Jilin University</td>
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<td>CYR61-PERONED FUNCTION OF HEAT SHOCK PROTEIN 72 IN GASTROENTEROLOGICAL CANCERS.</td>
<td>X Wang, Q Wang, H Lin, B Xu, J Fang, K Zhang, J Zhang and Y Yang, Xianyang, China and Emporia, KS. Shaanxi University of Chinese Medicine</td>
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<td>EXPERIMENTAL STUDY ON EFFECT OF YI AIKANG CAPSULE IN THE TREATMENT OF FRIEND MURINE LEUKEMIA VIRUS IN MICE.</td>
<td>Z Wei, L Xu, Z Xia and J Zhang, Nan Jing, China and Zhengzhou, China. Nanjing University of Chinese Medicine</td>
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<td>THE PHARMACOKINETIC AND TISSUE DISTRIBUTION STUDY OF CHUANHUNING LIPOSOME IN RATS.</td>
<td>Y Yu, J Xuan, Y Li, Y Li and F Qiao, Beijing, China. Yabao Pharmaceutical Group Co., LTD</td>
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<td>EXPERIMENTAL STUDY ON CHEMOTHERAPY MULTIDRUG RESISTANCE MECHANISM OF OSTEOSARCOMA BY PROTEOMICS METHODS IN VITRO.</td>
<td>L Zhang, L Li and Y Zhou, Changchun, China and Chongqing, China. Jilin Province People's Hospital</td>
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<td>TOOLS FOR DEVELOPING INTENSITY MODULATED PROTON THERAPY.</td>
<td>M Choe, A Selchau, D Gonzales, V Giacometti and R Schulte, Loma Linda, CA; Chatanooga, TN and New South Wales, NSW, Australia. Loma Linda University (WSMRF)</td>
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<td>OUTCOMES OF LEIOMYOSARCOMA: A COMPARATIVE STUDY WITH OTHER PRIMARY SARCOMAS.</td>
<td>TN Garland and DJ Davidson, Seattle, WA. University of Washington (WSMRF)</td>
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<td>THE VALUE OF PATHOLOGY REVIEW IN ADVANCED COMMON CANCERS.</td>
<td>D Oh, B Goulart and R Martins, Seattle, WA. University of Washington School of Medicine (WSMRF)</td>
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<td>GENERALIZED PSORIASIS GREATLY IMPROVED WITH ONLY TWO EXPOSURES TO EXCIMER UVB LASER THERAPY: A CASE REPORT.</td>
<td>MG Debbaneh, G Brown, M Malakouti, E Wang, E Levin, A Leon and J Koo, San Francisco, CA. University of California Irvine School of Medicine</td>
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<td>MULTICENTRIC RETICULOHISTIOCYTOSIS AND TREATMENT WITH ETANERCEPT.</td>
<td>C Nguyen, T Tan and E Katsaros, Fontana, CA. Loma Linda University Medical Center</td>
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<td>A COMPARISON OF TUBERCULOSIS DIAGNOSTIC METHODS IN HIV-POSITIVE ADOLESCENTS AT A COMMUNITY CLINIC IN URBAN ZAMBIA.</td>
<td>A Carman and T Meade, Tucson, AZ and Lusaka, Zambia. The University of Arizona College of Medicine (WSMRF)</td>
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<td>DISSEMINATED HSV-2 INFECTION IN SETTING OF ACUTE PANCREATITIS.</td>
<td>L Chapman, M Lewis and D Tellalian, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)</td>
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<td>HERPES ZOSTER OTICUS.</td>
<td>TJ Eskelsen, R Villegas and P Patamasucon, Las Vegas, NV. University of Nevada School of Medicine</td>
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<td>THE PREVALENCE OF AVIAN INFLUENZA VIRUS IN RAINFOREST BIRDS FROM SOUTHERN CAMEROON.</td>
<td>JT Hamamoto, KY Njabo and TB Smith, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)</td>
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<td>ENVIRONMENTAL DETERMINANTS OF BURULI ULCER.</td>
<td>P Kaganjo and O Ellis, Los Angeles, CA. David Geffen School of Medicine at UCLA</td>
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<td>PREVENTING THE SPREAD OF CHLAMYDIA THROUGH ADOLESCENT EDUCATION IN BUTTE, MONTANA.</td>
<td>D McQuinn, Seattle, WA. University of Washington</td>
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<td>PROMOTING PERTUSSIS EDUCATION AND INCREASING VACCINATION RATES IN BUTTE, MONTANA.</td>
<td>MR Sherris, Seattle, WA. University of Washington (WSMRF)</td>
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| Infectious Diseases | | | | |

**CONCURRENT SESSIONS**

**Friday, January 24, 2014**

3:30 PM – 6:00 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**

| Family and Child | Health Care Research II: Health Intervention Delivery | Infectious Diseases I | Morphogenesis and Malformations | Neonatology - General III | Nephrology and Hypertension | Surgery B | Surgery II | | | |
|------------------|--------------------------------------------------------|-----------------------|-------------------------------|--------------------------|-----------------------------|-----------|-----------| | | |
| Promenade Lobby | Green Room                                             | Bingham Room #3       | Rehearsal Room                | Conductor’s Room          | Babcock #6                  | Studio 105 | | | | |

**Family and Child**

Promenade Lobby (Sunset Center)
Larry Kirven and Jay Erickson, Presiding

3:30 CAMPAIGN AGAINST TEXTING AND DRIVING.
SS Bains, P Rhee, V Pandit, D Judkins and B Joseph, Tucson, AZ. University of Arizona College of Medicine (WSMRF) Abstract 264
3:45 HANDS-ONLY CPR AND AED OPERATION SEMINARS IN ANACONDA, MT.
CL Ulrich, Seattle, WA. University of Washington School of Medicine

4:00 WHO ARE THE PHYSICIANS SERVING SOUTH LOS ANGELES?
JD Blanding, PT Dowling and G Moreno, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

4:15 DAY LABORER UTILIZATION OF HEALTH CARE SERVICES IN LOS ANGELES COUNTY.
C Nguyen, C Lugo, E Janio, J Puvvula and G Granados, Los Angeles, CA and Harbor, CA.
David Geffen School of Medicine at UCLA (WSMRF)

4:30 END-OF-LIFE EDUCATION THROUGH COMMUNITY OUTREACH IN RED LODGE, MONTANA.
JN Loomis, Seattle, WA. University of Washington School of Medicine (WSMRF)

4:45 EFFECTIVENESS OF THE STROKE HEROES ACT FAST CAMPAIGN IN A COMMUNITY HEALTH FAIR.
EM Canales, J Puvvula and G Granados, Los Angeles, CA and Torrance, CA. Charles Drew University of Medicine and Science

5:00 PERCEIVED OSTEOPOROSIS RISK AND GENDER.
S Vohra, C Ochoa and A Sathananthan, Pomona, CA. Western University of Health Sciences College of Osteopathic Medicine

5:15 CARING FOR LESBIAN, GAY, BISEXUAL, AND TRANSGENDER PATIENTS: AN INTRODUCTION FOR CLINIC STAFF.
K Tran, Seattle, WA. University of Washington School of Medicine

5:30 ENCOURAGING BICYCLE USE FOR ACTIVE COMMUTING TO IMPROVE HEALTH OUTCOMES IN THE CITY OF CASPER, WYOMING.
M Sanderson, Seattle, WA. University of Washington School of Medicine (WSMRF)

5:45 HELPING REDUCE TOBACCO EXPOSURE IN CHILDREN: USING SURVEYS TO PROVIDE SMOKING CESSATION IN A PEDIATRIC CLINICAL SETTING.
MR Martin, S Yang and D Tomajan, Fresno, CA. UCSF Fresno Pediatric Residency

Health Care Research II: Health Intervention Delivery

Green Room (Sunset Center)
Kenneth Roberts and Timothy Robinson, Presiding

3:30 THE CONTRIBUTION OF LABOR MANAGEMENT TO PREVENT THE FIRST CESAREAN SECTION, SINGLE CENTER STUDY.
ME Oliva, S Walker and T Benedetti, Seattle, WA. University of Washington School of Medicine

3:45 EXPERIENCE OF MOTHERS WHO EXCLUSIVELY BREASTFED UNTIL 6 MONTHS OF AGE IN THE CENTRAL VALLEY, CA.
K Patel, AE Evans and K Shliakhtsitsava, Fresno, CA. UCSF Fresno

4:00 HELPING PATIENTS UNDERSTAND URGENT CARE: A QUALITY IMPROVEMENT PROJECT ADDRESSING APPROPRIATE EMERGENCY DEPARTMENT USE.
LS Kornbluth, A Kuo and C Stevens, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

4:15 PREDICTORS OF PATIENT SATISFACTION WITH PAIN MANAGEMENT.
E Lin, E O’Neill-Page, S D’Ambruoso and A Miyake, Los Angeles, CA. University of California Los Angeles (WSMRF)

4:30 THE USE OF REMOTE ACCESS CLINICS TO TREAT AND INFORM MEN WITH SEXUAL DYSFUNCTION.
E Bayona, T Keller, R Clavijo, J Shelton, J Bergman and CJ Bennett, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

4:45 THE UTILIZATION OF CASELOAD REGISTRIES: PERCEPTIONS OF CARE COORDINATORS IN THE MENTAL HEALTH INTEGRATION PROGRAM.
J Eckstrom, D Williams, M Avery and J Unutzer, Seattle, WA. University of Washington School of Medicine (WSMRF)

5:00 UNDERSTANDING THE REALITY OF WORKING IN EVIDENCE-BASED INTEGRATED MENTAL HEALTH CARE: A SURVEY OF RURAL AND URBAN MENTAL HEALTH INTEGRATION PROGRAM CARE COORDINATORS.
D Williams, J Eckstrom, M Avery and J Unutzer, Seattle, WA. University of Washington (WSMRF)

5:15 PHYSICIAN ASSESSMENT OF CMS ELIGIBILITY FOR HOSPICE (PACE-II).
O Aminifard, J Ekstrom, D Williams, M Avery and J Unutzer, Seattle, WA. University of Washington (WSMRF)

5:30 INCREASING ADVANCE DIRECTIVE COMPLETION AMONG END-OF-LIFE PATIENTS.
BB Pezeshki, A Kuo and C Stevens, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

5:45 ENVIRONMENTAL SCAN OF BEREAVEMENT SERVICES AT NORTH AMERICAN PEDIATRIC AND MATERNITY HOSPITALS: A QUALITY ASSURANCE STUDY.
V Ma, E Webber and P Crowell, Vancouver, BC, Canada. Children’s and Women’s Hospital of British Columbia (WSMRF)
Infectious Diseases I
Bingham Room #3 (Sunset Center)
David Gilbert, Ravi Durvasula and Fred Buckner, Presiding

3:30 REDUCTION OF CLOSTRIDIUM DIFFICILE INFECTION USING ANTIMICROBIAL STEWARDSHIP IN A CHILDREN’S HOSPITAL WITHIN A HOSPITAL.
K Kahn-Riordon, J Wiedeman, H Nguyen, J Natale and D Tancredi, Sacramento, CA. University of California, Davis (WAFMR/WAP Outstanding Resident Award Winner)

3:45 CHEST RADIOGRAPHIC PATTERNS IN PATIENTS HOSPITALIZED WITH RESPIRATORY SYNCYTIAL VIRUS (RSV) INFECTION.
G Hughes, L Amini, A Gaspa, V Reddy, D Le, B Le, P Leung, H Wong, Gabriel Garcia, and B Afghani, Irvine, CA. University of California, Irvine School of Medicine

4:00 DEVELOPMENT OF RECOMBINANT ANTIBODIES TO COMBAT CLOSTRIDIUM DIFFICILE INFECTION.
G Sylejmani, A Gupta, Q Cheng, A Kang, R Durvasula and I Hurwitz, Albuquerque, NM and London, United Kingdom. New Mexico Veterans Affairs Healthcare System

4:15 WHOLE GENOME SEQUENCING OF 366 CLINICAL E. COLI ISOLATES COMPARES GENOTYPE WITH PHENOTYPE AND SHOWS THE MOLECULAR EPIDEMIOLOGY AMONG STRAINS.
DJ Roach, S Salipante, J Shendure, J Kitman and M Snyder, Seattle, WA. University of Washington (WAFMR/WAP Student Subspecialty Award Winner (WSMRF))

4:30 THE PROTEOME OF PROPIONIBACTERIUM ACNES.
YY u, J Champer and J Kim, Los Angeles, CA. David Geffen School of Medicine at UCLA

4:45 ROLE OF A LYSM DOMAIN-CONTAINING STREPTOCOCCUS PNEUMONIAE PROTEIN IN THE ACTIVATION OF DENDRITIC AND NATURAL KILLER CELLS AND PATHOGENICITY.
J Toaterelotte, R Schmidt, E Eshleman, J White and L Lenz, Denver, CO. University of Colorado

5:00 DETERMINATION OF PATHOGENIC POTENTIAL IN EMERGING GROUP B CONVACIEVIRUSES.
K Quinn, S Wollersheim, J Zuo, P Cooper and P Krosgast, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSCI Travel Award Winner)

5:15 INHIBITION OF POLYAMINE TRANSPORT AS A TARGET FOR TREATMENT OF TOXOPLASMA GONDII INFECTION.
JD Whitman, S Chang, L Hawell, CV Byas and EH Wilson, Riverside, CA. David Geffen School of Medicine at UCLA

5:30 INCREASED PRO-INFLAMMATORY CYTOKINE EXPRESSION IN RESPONSE TO TLR3 AND TLR9 STIMULATION USING HSV1.
TB Martins, KO Woodbury, KD Tardif, NH Augustine, TR La Pine, A Kumanovics and HR Hill, Salt Lake City, UT. ARUP Institute

5:45 MOLECULAR DETECTION AND IDENTIFICATION OF STAPHYLOCOCCUS AUREUS IN AIRWAY SAMPLES FROM CHILDREN WITH CYSTIC FIBROSIS.
E Johnson, BD Wagner, FJ Accurso and JK Harris, Denver, CO. University of Colorado School of Medicine

Morphogenesis and Malformations
Rehearsal Room (Sunset Center)
Cynthia Curry and Tom Cushing, Presiding

3:30 JUVENILE XANTHOGRANULOMA IN NOONAN SYNDROME.
MM Ali, AE Gilliam, AC Gilliam and KA Rauen, San Francisco, CA and Palo Alto, CA. University of California San Francisco

3:45 RESPIRATORY INVOLVEMENT IN COSTELLO SYNDROME: A REPORT OF TWO CASES AND REVIEW OF THE LITERATURE.
N Gomez-Opina, A Myers, M Brennan, IA Bernstein and L Hudgins, Stanford, CA. Stanford Hospital (WSPR Mead Johnson Travel Award Winner)

4:00 State-of-the-Art Speaker
UNDERSTANDING THE RASOPATHIES: SKELETAL MYOGENESIS AS A MODEL.
Katherine A. Rauen, University of California, San Francisco

4:30 DUPLICATION OF SERPINE1 ON 17P13.3 LEADS TO AN UNCLASSIFIED TYPE OF METAPHYSSEAL DYSPLASIA.
JM Graham, EM Shih, P Pinkucheewanont and P Vitzak, Los Angeles, CA and Gaithersburg, MD. Cedars-Sinai Medical Center (WSPR)

4:45 HEMIMEGALENCEPHALY AND EXTENSIVE CAPILLARY MALFORMATIONS IN A NEWBORN WITH A DELETION OF CHROMOSOME 19P13.11.
GH Nant, TA Merritt, RD Clark and J Gold, Loma Linda, CA and Orange, CA. Loma Linda University Medical Center

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5:00  A NEW CLINICAL DIAGNOSIS IN THE SPECTRUM OF VASCULAR ANOMALIES.
M Stein, R Guilfoyle, D Courtemanche and J Arneja, Vancouver, BC, Canada.
University of British Columbia (WSPR Subspecialty Award Winner)

5:15  MATERNALLY INHERITED INTERSTITIAL DELETION 11P15P15.4 IN A PATIENT WITH LONG QT SYNDROME AND BECKWITH-WIEDEMANN SYNDROME.
M Niazi, Y Wilma, K Dunn, M Perez, CY Miyake and M Manning, Stanford, CA and Houston, TX.
Stanford University (WSPR)

5:30  ORAL-FACIAL-DIGITAL SYNDROME TYPE I IN A GIRL WITH VARIANT TURNER SYNDROME.
S Ramanathan and RD Clark, San Bernardino, CA. Loma Linda Health

5:45  ADDITIONAL EVIDENCE FOR CACNA1A MUTATION AS A CAUSE OF PAROXYSMAL TONIC UPWARD GAZE: REPORT OF A SECOND FAMILY.
CF Macmurd, A Myers and JA Bernstein, Stanford, CA. Stanford University School of Medicine

Neonatology - General III
Chapman #4 (Sunset Center)
Roberta L. Keller and Erin Zinkhan, Presiding

3:30  JOAN HODGMAN LECTURE SEEKING NEW THERAPIES FOR NEONATAL PULMONARY DISEASES.
Judith Aschner, Albert Einstein College of Medicine and The Children’s Hospital at Montefiore

4:00  IUGR ALTERS ESSENTIAL FATTY ACID CONVERSION AND CONVERTING ENZYME MRNA IN RAT LIVER AND LUNG.
C Hurdman, Y Wang, C Zhou and L Joss-Moore, Salt Lake City, UT. University of Utah

4:15  UTERINE-SPECIFIC ANTI-INFLAMMATORY ACTIONS OF THE PROGESTERONE SIGNALING PATHWAY.
JM Enciso, LM Goddard and M Iruela-Arispe, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR)

4:30  INTRAVENOUS LOW DOSE SOYBEAN OIL IN PRETERM INFANTS: LONG-TERM FOLLOW-UP ON GROWTH AND NEURODEVELOPMENT.
ML Ong, I Purdy, L Molchan, T Grogan, D Elashoff and KL Calkins, Los Angeles, CA.
David Geffen School of Medicine at UCLA (WSPR)

4:45  IMPLEMENTATION OF A STANDARDIZED INPATIENT TREATMENT GUIDELINE FOR NEONATAL ABSTINENCE SYNDROME DECREASES LENGTH OF STAY.
A Lampland, M Engel, B Symalla and A Postier, St. Paul, MN and Minneapolis, MN. Children’s Hospitals and Clinics of Minnesota - St. Paul (WSPR)

5:00  EFFECT OF PRE-MEDICATION REGIMEN ON INFANT PAIN AND STRESS RESPONSE TO ENDOTRACHEAL INTUBATION.
C Caldwell and K Watterberg, Albuquerque, NM. University of New Mexico

5:15  NEONATAL ORGAN DONATION FOLLOWING CIRCULATORY DEATH: WHAT IS THE POTENTIAL?
J Stiers, C Aguayo, A Siatta and R DiGeromino, Salt Lake City, UT. University of Utah (WAFMR)

5:30  RELATIVE ADRENAL INSUFFICIENCY (RAI): UNRECOGNIZED IN BABIES WITH CONGENITAL HEART DISEASE (CHD).
M Sundhi, J Tran, M Melwak, I Purdy and U Devaskar, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR Mead Johnson Travel Award Winner)

5:45  FOCUSED PROTEOMIC PROFILING FOR RAPID DETECTION OF LATE-ONSET NEONATAL SEPSIS IN PRETERM INFANTS.
DC Cannon, RK Ohls, C Hartenberger, H Peceny, K Ballard and S Mani, Albuquerque, NM and Austin, TX. University of New Mexico Health Sciences Center

Nephrology and Hypertension
Babcock #6 (Sunset Center)
John Basgen and Charles Edelstein, Presiding

3:30  State-of-the-Art Speaker
USING HIBERNATING SQUIRRELS AS A NATURAL MODEL TO STUDY COLD PRESERVATION INJURY.
Alkesh Jani, University of Colorado

4:00  ANTIBODY-DEPENDENT NK CELL ACTIVATION: AN IMPORTANT MEDIATOR OF ANTIBODY MEDIATED ALLOGRAFT REJECTION.
SC Jordan, E Saviozalohi, S Ge, C Nast, J Mirocha, M White, A Karasyov and M Toyoda, Los Angeles, CA.
Cedars-Sinai Medical Center (WSCI)

4:15  THE EFFECT OF CD4 T CELL KNOCKOUT ON CISPLATIN-INDUCED AKI AND LUNG CANCER IN MICE.
C Edelstein, K Ravichandran, H Kim, A Ozkok, Q Wang, Z He, H Li, R Nemenoff and A Jani, Aurora, CO. University of Colorado Denver (WAP)
4:30 THE ROLE OF INCREASED AUTOPHAGIC FLUX IN RENAL TUBULAR EPITHELIAL CELLS UNDERGOING WARM REPERFUSION (WR) AFTER COLD ISCHEMIA (CI).
A Jaini, S Jain, TL Nydam and C Edelstein, Aurora, CO. University of Colorado Denver (WSCI Travel Award Winner) (WSCI)

4:45 IS THERE AN EFFECT OF ETHNICITY ON EGFR DETERMINATION AMONG NEW MEXICANS WITH PREDIABETES?
JE Camacho, C Wong and M Burge, Albuquerque, NM. University of New Mexico

5:00 DIURETIC MANAGEMENT OF PATIENTS WITH STAGE 3 AND 4 CHRONIC KIDNEY DISEASE.
S Schulte and KB Daratha, Spokane, WA. University of Washington, School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)

5:15 IN-CENTER PRACTICE VARIATION IN THE TREATMENT OF CHILDHOOD NEPHROTIC SYNDROME AFFECTS OUTCOMES.
MA Sibley, JA Sibley, T Kwok, J Jobus, A Alshami, D Matsu and C Mammen, Vancouver, BC, Canada. British Columbia Children’s Hospital

5:30 LUPUS NEPHRITIS AND PODOCYTOPYTHY IN AN ADOLESCENT FEMALE: A CASE FOR A MUTUAL RELATIONSHIP.
B Shirley and A Staples, Albuquerque, NM. University of New Mexico (WSMRF)

Surgery B
Conductor’s Room
Gary Satou, Presiding

3:30 EVALUATION OF 3D PHOTOGRAPHIC IMAGING TO MEASURE DIFFERENTIAL VOLUMES IN RECONSTRUCTED BREAST TISSUE.
P Lewis, G Mattison, H Kim and S Gupta, Loma Linda, CA. Loma Linda University

3:45 TREND ACCURACY OF PULSE COOXIMETRY HEMOGLOBIN DURING SURGERY.
R Stoelk, M Hassanian, M Allard and R Applegate, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)

4:00 VITAMIN D DEFICIENCY AMELIORATES POST-ARTHIPLASTY S. AUREUS INFECTION IN AN IN VIVO MOUSE MODEL.
M Yang, A Stavakis, A Loflin and N Bernthal, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

4:15 THE DA VINCI ROBOT TRAINING DILEMMA: EVALUATING THE RAVEN ROBOT AS A SOLUTION.
D Glassman, L White, H King, A Lewis, A Clark, TS Glassman and TS Lendvay, Seattle, WA. University of Washington (WSMRF)

4:30 EXTRACELLULAR MATRIX REMODELING OF RABBIT VOCAL FOLDS AFTER WOUNDING.
L Gonzalez and J Long, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

4:45 GAMMA KNIFE AS SALVAGE THERAPY FOR RECURRENT GIgLIOBLASTOMA MULTIFORME.
EW Larson, HE Peterson, WT Lamoreaux, AR MacKay, JD Carlson, BC Ling, BS Cooke, B Peressini and CM Lee, Spokane, WA. University of Washington School of Medicine (WSMRF)

5:00 EFFECT OF CRANIAL WINDOW DIAMETER ON POSTOPERATIVE PNEUMOCEPHALUS VOLUME.
J Sharim, P Pezeshkian, A DeSalles and N Pouratian, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

5:15 OUTCOME FOLLOWING RENAL TRANSPLANTATION: THE IMPACT OF PARAOPTERATIVE PARAMETERS.
EM Carreras, A Campbell, C Mammen and D Matsell, Vancouver, BC, Canada. British Columbia Children’s Hospital

5:30 IDENTIFYING RISK FACTORS IN PATIENTS UNDERGOING SURGERY FOR ADJACENT SEGMENT DISEASE.
H Hoffman and DC Lu, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

5:45 EVALUATION OF SURGICAL OUTCOMES OF PEDIATRIC RENAL TRANSPLANTS.
K Jiwa, K Alshar and J Bedford, Vancouver, BC, Canada. University of British Columbia (WSMRF)

Surgery II
Studio 105 (Sunset Center)
Edward D. Auyang and Rebecca Petersen, Presiding

3:30 PREEMPTIVE ANALGESIA IN CHILDREN USING CAUDAL EPIDURAL ROPIVACAINE: A PROSPECTIVE, RANDOMIZED, DOUBLE-BLINDED, CONTROLLED STUDY.
R Romanu, S Mulder, G Andrews and R Applegate, Loma Linda, CA. Loma Linda University (WSMRF)

3:45 EXTENDED ANTIBIOTIC PROPHYLAXIS IN UROLOGIC ONCOLOGY SURGERY: HOSPITAL-LEVEL VARIATION AND CLOSTRIDIUM DIFFICILE.
JK Calvert and JL Gore, Seattle, WA. University of Washington School of Medicine (WSMRF)
4:00 COINCIDENCE OF CARPAL AND CUBITAL TUNNEL SYNDROMES.
    J Kho, M Kwan, G DeCesare, K Azari and P Benhaim, Los Angeles, CA. David Geffen School of Medicine at UCLA

4:15 REDUCED MORTALITY, SHORTER HOSPITAL LENGTH OF STAY, AND FEWER COMPLICATIONS: ACUTE CARE SURGEONS’ IMPACT ON PATIENTS WITH OPERATIVE CARDIAC INJURIES.
    RL Mempin, DS Plurad, DY Kim and SD Bricker, Torrance, CA. Harbor-UCLA Medical Center (WSMRF)

4:30 MINOR SURGERY PROCEDURES IN A PEDIATRIC POPULATION.
    E Chan, M Bucevska and C Verchere, Vancouver, BC, Canada. University of British Columbia

4:45 NASOSEPTAL FLAP RECONSTRUCTION OF PEDIATRIC SELLAR DEFECTS.
    JR Shinn, P Purcell, R Otto, G Davis and S Parikh, Seattle, WA. University of Washington (WSMRF)

5:00 AN EXTENT OF RESECTION THRESHOLD FOR RECURRENT GlioBLASTOMA MULTIFORME.
    J Pia, JM Sarmiento, D Mukherjee, D Ly, C Carico, M Nuño and CG Patil, Los Angeles, CA. Cedars-Sinai Medical Center (WSMRF)

5:15 SIMULATING SPIRAL FRACTURES IN LONG BONE: A SHEEP FEMUR MODEL.
    C Burke, S Epperly, W Dajnowicz, S Inceoglu, H Basmajian and G Botimer, Loma Linda, CA. Loma Linda University

5:30 TRENDS IN ULNAR COLLATERAL LIGAMENT RECONSTRUCTION AND ASSOCIATED ELBOW SURGERY.
    SR Rosenblum, M Yeranosian, R Terrell, D McAllister and F Petrigliano, Los Angeles, CA. UCLA (WSMRF)

5:45 State-of-the-Art Speaker
    UPDATE ON HERNIA REPAIR.
    Rebecca Petersen, University of Washington
8:45 PREVENTING MYOPIA: THE ROLE OF BLURRED LENSES IN MODULATING AXIAL EYE LENGTH.
K Francis, J Neitz and M Neitz, Seattle, WA. University of Washington
Abstract 339

9:00 ZINC HOMEOSTASIS IN MALAWIAN CHILDREN AT RISK FOR ZINC DEFICIENCY.
C Westcott, K Ryan, T May, J Westcott, L Miller, M Manary, G Young, KM Hambidge and N Krebs, Aurora, CO, St. Louis, MO and Adelaide, SA, Australia. University of Colorado
Abstract 340

9:15 THE RELIABILITY OF CLINICAL TONSIL SIZE GRADING IN CHILDREN.
DS Kumar, D Valenzuela, FK Kozak, JP Ludemann, P Moxham, J Lea and NK Chadha, Vancouver, BC, Canada. University of British Columbia (WSMRF)
Abstract 341

9:30 SCREENING FOR DEPRESSION IN ADOLESCENTS IN A LOW-INCOME PEDIATRIC CLINIC IN FRESNO, CA: DOES THE PATIENT HEALTH QUESTIONNAIRE (PHQ-9) WORK?
MC Mayer, D Tomajan, T Kamerman, K Kraus and S Yang, Fresno, CA. UCSF Fresno (WSPR Mead Johnson Travel Award Winner)
Abstract 342

9:45 RAPID ASSESSMENT SURVEY OF A NEWLY ESTABLISHED NEWBORN CARE UNIT AT DHULAGIRI ZONAL HOSPITAL, NEPAL.
D Levy and B Fassl, Salt Lake City, UT. University of Utah
Abstract 343

10:00 am – 11:00 am Break and Poster Session

Community Health
Studio 105 (Sunset Center)
Martin Teintze and Toby Keys, Presiding

8:00 THE IMPACT OF FAMILY SEPARATION ON DAY LABORERS’ MENTAL HEALTH AND OTHER PSYCHOSOCIAL STRESSORS.
J Menjivar, G Granados and J Puvvula, Los Angeles, CA and Torrance, CA. David Geffen School of Medicine at UCLA (WSMRF)
Abstract 344

8:15 YOUTH TRAUMA PREVENTION IN U.S. BORDER COMMUNITIES: INVESTIGATING THE ROLE OF CULTURAL PREFERENCE ON SELF-ESTEEM AND MOTIVATION FOR EMPLOYMENT AND EDUCATION.
S Garcia, S Krotz, D Chang and R Coimbra, La Jolla, CA and San Diego, CA. University of California, San Diego
Abstract 345

8:30 IMPROVING PARENTING OUTCOMES BY ESTABLISHING A POSTPARTUM HOME VISIT PROGRAM IN CHELAN, WASHINGTON.
S Hippe, Spokane, WA. University of Washington School of Medicine
Abstract 346

8:45 EARLY CHILDHOOD CARES PREVENTION IN HARDIN, MONTANA: PATIENT EDUCATION, “FIRST TOOTH. FIRST EXAM,” AND FLUORIDE VARNISH.
ML Tam, Seattle, WA. University of Washington School of Medicine (WAFMR)
Abstract 347

9:00 ENGAGING AND EDUCATING ADOLESCENT ATHLETES ON SUN PROTECTION IN BUTTE, MONTANA.
S Leyde, Seattle, WA. University of Washington (WSMRF)
Abstract 348

9:15 IMPROVING DENTAL HEALTH FOR LOW-INCOME CHILDREN IN CLALLAM COUNTY.
B Hallett, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 349

9:30 IDENTIFYING COMMUNITY PERCEIVED CAUSES OF CHILDHOOD OBESITY IN BOYLE HEIGHTS [CA] AND ANALYSIS OF ITS PEDIATRIC HEALTH PROFILE.
Pt Huynh, W Slusser, M Whitley, N Izadpanah, J Solares, N Mullenax, G Lopez and H Acala, Los Angeles, CA. David Geffen School of Medicine at UCLA
Abstract 350

9:45 PEER MENTORSHIP DURING PEDIATRIC RESIDENCY: A PILOT STUDY.
H Artinian, S Mehta and S Yang, Fresno, CA. UCSF-Fresno
Abstract 351

10:00 am – 11:00 am Break and Poster Session

Endocrinology and Metabolism III
Bingham Room #3 (Sunset Center)
Stephanie Page and Ellen Schur, Presiding

8:00 THE EFFECT OF LPL ON LIPID METABOLISM AND AGRP IN THE BRAIN.
H Pasha, H Wang and R. Eckel, Aurora, CO. University of Colorado Anschutz Medical Campus
Abstract 352

8:15 THE ROLE OF APOLipoprotein B100 IN TESTOSTERONE-PROTECTIVE EFFECTS ON NON-ALCOHOLIC FATTY LIVER DISEASE IN CASTRATED RATS.
Y Jia, J Yee, C Wang, L Nikolauenko, S French, P Liu, M Diaz-Arjonilla, Y Lue, W Lee and R Swerdloff, Torrance, CA. LA BioMed & Harbor-UCLA Medical Center (WAFMR)
Abstract 353

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8:30 BODY MASS INDEX HAS A GREATER INFLUENCE THAN AGING ON SERUM SHBG AND TOTAL TESTOSTERONE IN MEN: IMPLICATIONS FOR THE BIOCHEMICAL DIAGNOSIS OF HYPOGONADISM IN OLDER, OBESE MEN.
LA Cooper, ST Page, JK Amory, BD Anawalt and AM Matsumoto, Seattle, WA. University of Washington
(WSCI Travel Award Winner)

8:45 TWIN ANALYSES DEMONSTRATE THAT ELEVATED BODY MASS INDEX IS CAUSALLY RELATED TO ELEVATED C-REACTIVE PROTEIN.
K Berkseth, C Noonan, A Avery, E Strachan, E Turkerhime, D Buchwald, N Afari and E Schur, Seattle, WA; San Diego, CA and Charlottesville, VA. University of Washington

9:00 IUGR ACTIVATES THE UNFOLDED PROTEIN RESPONSE IN SUBCUTANEOUS ADIPOSE TISSUE OF MALE ADOLESCENT RATS.
E Riddle, M Campbell, Y Wang, R Lane and L Joss-Moore, Salt Lake City, UT. University of Utah

9:15 INTRAUTERINE GROWTH RESTRICTION ALTERS ESTROGEN SIGNALING IN RAT ADIPOSE TISSUE IN A SEX DEPENDENT MANNER.
D Holliday, I Trevenzoli, C Zou and L Joss-Moore, Salt Lake City, UT. University of Utah

9:30 IUGR COMBINED WITH A MATERNAL HIGH FAT DIET ADVERSELY PROGRAMS THE MICRORNA-96 - INSIG2 - SREBP2 PATHWAY AND INCREASES HEPATIC CHOLESTEROL IN FEMALE, BUT NOT MALE, RATS.
E Zinkhan, B Yu, X Yu, A Schlegel and L Joss-Moore, Salt Lake City, UT. University of Utah

9:45 FAT CONTENT AND CALORIC DENSITY OF HUMAN MILK CORRELATE WITH INFANT WEIGHT GAIN BUT NOT MATERNAL WEIGHT STATUS.
Z Patinkin, B Young, A Morrow, B Davidson, S Geraghty and N Krebs, Aurora, CO and Cincinnati, OH. University of Colorado Denver (WSMRF)
8:15 EVALUATING THE IMPACT OF HEALTH EDUCATION AT A FEDERALLY QUALIFIED HEALTH CENTER FOR PERSONS WITH DIABETES.
E Tukiainen, J Solares, M Hochman, N Steers and CM Mangione, Los Angeles, CA. David Geffen School of Medicine at UCLA

8:30 PROMOTING THE ADOPTION OF APPROPRIATE INFANT AND YOUNG CHILD FEEDING PRACTICES IN RURAL VIETNAM THROUGH PEER-TO-PEER SUPPORT GROUPS.
B Rowan, Seattle, WA. University of Washington School of Medicine

8:45 TOBACCO USE INITIATION PREVENTION IN BROWNING, MT.
ED Welder, Seattle, WA. University of Washington School of Medicine

9:00 HEALTH EDUCATION AND HEALTH NEEDS ASSESSMENT THROUGH TARGETED HOMELESS OUTREACH IN MISSOULA, MT.
MM Moorhead, Seattle, WA. University of Washington (WSMRF)

9:15 IMPROVING ORAL HEALTH LITERACY AND BREASTFEEDING PRACTICES IN CUT BANK, MONTANA.
D Low, Seattle, WA. University of Washington School of Medicine

9:30 VISUAL CONSEQUENCES OF IPAD USE: A PILOT STUDY.
M Maducdoc and W Crow, Irvine, CA. University of California, Irvine

9:45 EXPERIMENTAL RESEARCH INTO THE INFLUENCE OF YOGA WORKOUTS ON HEART RATE VARIABILITY OF THE MIDDLE AGED AND OLD PEOPLE.
Z Huang and M He, Dalian, China and Changchun, China. Liaoning Normal University

10:00 am – 11:00 am Break and Poster Session

Neonatology - Developmental Biology
Chapman #4 (Sunset Center)
Fernando Gonzales and Clyde Wright, Presiding

8:00 MECHANISTIC UNDERSTANDING OF T REGULATORY CELL TRAFFICKING IN NORMAL AND PATHOLOGIC PREGNANCIES.
NM Vyas, TA Nguyen, M Yesayan, AI Sniead and DA Kahn, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

8:15 CHARACTERIZATION OF PRDM15 EXPRESSION DURING RETINAL DEVELOPMENT.
J Adewumi, J Brzezinski and K Park, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner)

8:30 State-of-the-Art Speaker
MYELIN DEVELOPMENT AND DISEASE.
David Rowitch, University of California, San Francisco

9:00 MESENCHYMAL STEM CELLS MODIFIED BY SPECIAL TRANSCRIPTION FACTORS TRANSDIFFERENTIATE INTO β-LIKE CELLS.
X Tang, Z Jiang, W Li, B Zhang, X Zhang, L Fang, L Hu and S Cai, Huainan, China; Taijin, China. Anhui University of Science & Technology

9:15 EFFECTS OF HIP2B ON FETAL PANCREATIC PROGENITOR CELLS.
RK Ohls, S McConaghy, A Maheshwari, I Chen, S Rossol and LV Upham, Albuquerque, NM; Wilmington, DE and Chicago, IL. University of New Mexico (WSPR)

9:30 CHRONIC FETAL HYPOXEMIA ATTENUATES INSULIN SECRETION IN FETAL SHEEP.
J Benjamin, C Culpepper, L Brown, S Thorn, S Jonker, S Limesand, R Wilkening, W Hay and P Rozance, Aurora, CO; Portland, OR and Tucson, AZ. University of Colorado School of Medicine (WSPR)

9:45 PROLONGED AMINO ACID INFUSION IN INTRAUTERINE GROWTH RESTRICTED FETAL SHEEP DOES NOT REDUCE NET UMBILICAL GLUCOSE UPTAKE RATES.
SG Wii, P Rozance, S Thorn, R Wilkening, W Hay and L Brown, Aurora, CO. University of Colorado School of Medicine (WSPR Mead Johnson Travel Award Winner)

10:00 am – 11:00 am Break and Poster Session

Pulmonary and Critical Care II
Promenade Lobby (Sunset Center)
Michael Schivo and Philippe Montgrain, Presiding

8:15 CRITICAL ILLNESS IN THE INTENSIVE CARE UNIT: DON’T GET TOO OLD AND DON’T GET TOO MUCH INSULIN.
JJ Repine, N Elkins, P Wilson, A Agazio, A Fernandez-Bustamante and JE Repine, Aurora, CO. University of Colorado Anschutz Medical Campus (WAFMR/WAP Student Subspecialty Award Winner)

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8:30 THE MEVALONATE PATHWAY REGULATES EOTAXIN-3 SECRETION FROM HUMAN AIRWAY EPITHELIAL CELLS: A THERAPEUTIC ROLE FOR SIMVASTATIN IN ASTHMA. 
K Sandhu, S Ott, R Wu, and AA Zeki Sacramento, CA. University of California Davis School of Medicine (WAFMR) 
Abstract 381

8:45 DEVELOPMENT OF A LOW COST ULTRASONIC SPIROMETER. 
CJ Hallberg, TE West and LE Olson, Seattle, WA; Seattle, WA and Milwaukee, WI. University of Washington (WSMRF) 
Abstract 382

9:00 ENDOPLASMIC RETICULUM (ER) STRESS PLAYS A ROLE IN EXPERIMENTAL ALLERGIC ASTHMA: A NOVEL MECHANISM OF HOW STATINS INHIBIT CYTOKINE PRODUCTION. 
University of California Davis School of Medicine (California Thoracic Society Scholar Winner) 
Abstract 383

9:15 AN EVALUATION OF THE PHARMACOGENETICS OF INHALED GLUCOCORTICOIDS AND PEDIATRIC ASTHMA CONTROL. 
C Stockmann, B Fassl, CA Reilly, F Nkoy, R Gaedigk, S Leeder, GS Yost and R Ward, Salt Lake City, UT and Kansas City, MO. University of Utah (WSCI Travel Award Winner)(WAFMR) 
Abstract 384

9:30 State-of-the-Art Speaker 
NONINVASIVE BIOSENSING FOR HEALTH STATUS IN HUMAN DISEASE. 
Cristina Davis, University of California Davis School of Engineering

10:00 am – 11:00 am Break and Poster Session

Surgery III
Green Room (Sunset Center) 
Edward D. Auyang and Rebecca Petersen, Presiding

8:00 IN VIVO ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION USING ELECTROSPUN POLYCAPROLACTONE. 
A Arshi, G Arom, A Nazemi, M Yeranosian, F Petrigliano, B Wu and D McAllister, Los Angeles, CA. 
David Geffen School of Medicine at UCLA 
Abstract 385

8:15 COMPARATIVE RADIATION EXPOSURE USING STANDARD FLUOROSCOPY VERSUS CONE BEAM CT FOR POSTERIOR INSTRUMENTED FUSION IN ADOLESCENT IDIOPATHIC SCOLIOSIS. 
A Muertens, Seattle, WA. University of Washington Medical School 
Abstract 386

8:30 TRACHEOSTOMY AT BC CHILDREN'S HOSPITAL: A QUALITY OF CARE 30-YEAR REVIEW. 
LV Gleggivie, J Kozak, S Chiu, RJ Adderley and FK Kozak, Vancouver, BC, Canada. British Columbia Children's Hospital 
Abstract 387

8:45 REOPERATION AND COMPLICATION RATES FOR THE TREATMENT OF ODONTOID FRACTURES WITH ANTERIOR SCREW FIXATION. 
F McLafferty, D Mukherjee, J Sarmiento, D McBride and CG Patil, Los Angeles, CA and Torrance, CA. 
David Geffen School of Medicine at UCLA (WSMRF) 
Abstract 388

9:00 CLINICAL EVALUATION OF VERACYTE AFIRMA GENE EXPRESSION CLASSIFIER. 
R Lam, F Palma Diaz, H Chiu, M Levin, P Huarte, A Harari and MW Yeh, Los Angeles, CA. 
David Geffen School of Medicine at UCLA (WSMRF) 
Abstract 389

9:15 RISK OF THROMBOSIS WITH CENTRAL VENOUS CATHETER PLACEMENT IN NEONATAL CARDIAC SURGERY PATIENTS. 
M Ibrahim, K Howard-Quijano and J Schwarzenberger, Los Angeles, CA. David Geffen School of Medicine at UCLA 
Abstract 390

9:30 A PREDICTIVE ANALYTIC APPROACH TO IMPROVE PATIENT HANDOFFS: A RETROSPECTIVE STUDY OF BILIARY COMPLICATIONS AND ACUTE CELLULAR REJECTION EPISODES FOLLOWING LIVER TRANSPLANTATION. 
SR Hall, D Hall, M Lauer, J Reyes and J Perkins, Seattle, WA. University of Washington (WSMRF) 
Abstract 391

9:45 EFFICACY OF TRABECULAR MESHWORK BYPASS TUBE SHUNT IN COMBINATION WITH SIMULTANEOUS ARTIFICIAL INTRAOCULAR LENS IMPLANTATION. 
A Truong and BA Francis, Irvine, CA and Los Angeles, CA. University of California, Irvine School of Medicine (WSMRF) 
Abstract 392

10:00 am – 11:00 am Break and Poster Session

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## POSTER SESSION III

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**WESTERN SOCIETY FOR PEDIATRIC RESEARCH**
**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*Carpenter Hall*

**Saturday, January 25, 2014**

**8:00 AM – 12:30 PM**

*(Presenters in attendance from 10:00 am – 11:00 am)*

### Behavior and Development

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<td>89</td>
<td>PREVALENCE OF SUBSTANCE USE AMONG MOROCCAN ADOLESCENTS AND ITS ASSOCIATION WITH ACADEMIC ACHIEVEMENT.</td>
<td>T Anderson, F Elomari, S Salomonsen-Sautel, A Hoffenberg and C Hopfer, Aurora, CO and Rabat, Morocco. University of Colorado Denver</td>
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<td>90</td>
<td>ASSESSING EARLY CHILDHOOD NUTRITIONAL PRACTICES IN RURAL UGANDA.</td>
<td>C Pastorek, V Cheng, E Charman, T Hedges and V Kapoor, Vancouver, BC, Canada.</td>
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<td>91</td>
<td>THE ATTITUDES OF HIGH SCHOOL AND COLLEGE STUDENTS TOWARDS PEER PRESSURE.</td>
<td>D Totoiu and B Afghani, Fullerton, CA and Irvine, CA. California State University, Fullerton</td>
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### Cardiovascular

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<td>92</td>
<td>CASE REPORT: SUCCESSFUL TREATMENT, DESPITE A NON-SURGICAL APPROACH, OF SEVERE INFECTIVE ENDOCARDITIS.</td>
<td>P Boulos and M Jeong, Denver, CO. University of Colorado School of Medicine (WSMRF)</td>
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### Developmental Biology

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<td>93</td>
<td>EMPLOYING APOPTOTIC CELLS TO ACCELERATE GROWTH OF PATIENT SPECIFIC KERATINOCYTES IN SEVERE WOUNDS.</td>
<td>S Rodriguez, G Bilousova and D Roop, Denver, CO. University of Colorado School of Medicine (WSMRF)</td>
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<td>94</td>
<td>CORDYCEPIN INDUCES TUMOR CELL DEATH THROUGH ERKS AND MTOR-MEDIATED PATHWAY IN HEPATOCELLULAR CARCINOMA CELLS.</td>
<td>D Yang, T Guo, D Wang, M Zhao and L Teng, Zhuhai, China and Changchun, China. Jilin University</td>
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### Gastroenterology

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<td>95</td>
<td>EXTRAMEDULLARY PLASMACYTOMA OF THE PANCREAS.</td>
<td>J Wang, T Liang and A Harris, Vancouver, BC, Canada. University of British Columbia</td>
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### Morphogenesis and Malformations

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<td>96</td>
<td>SPATIAL AND TEMPORAL PROTEIN EXPRESSION IN PALATOGENESIS.</td>
<td>AP Yoon, A Segovia, R Jarrahy, J Bradley and P Zuk, Los Angeles, CA. UCLA</td>
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### Neonatal Pulmonary

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<td>MATERNAL SUPPLEMENTATION WITH 0.1% DHA NORMALIZES THE PPARy-SETD8-H4K20ME AXIS IN ADOLESCENT RAT LUNG.</td>
<td>M German, C Zou, A Sainz, Y Wang and L Joss-Moore, Salt Lake City, UT. University of Utah School of Medicine</td>
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<td>98</td>
<td>ECHOCARDIOGRAPHIC ASSESSMENT OF PULMONARY HYPERTENSION (PH) PREDICTS OUTCOME IN INFANTS WITH CONGENITAL DIAPHRAGMATIC HERNIA (CDH).</td>
<td>LA Lusk, K Wai, AJ Moon-Grady and RL Keller, San Francisco, CA. University of California, San Francisco</td>
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99 ADDITIONAL THERAPIES DO NOT IMPROVE MORTALITY IN PATIENTS WITH CONGENITAL DIAPHRAGMATIC HERNIA.  
J Zalla, B Yoder and G Stoddard, Salt Lake City, UT. University of Utah  
Abstract 403

100 NEPHROCALCINOSIS IN THE PRETERM INFANT.  
M Grinsell, GM Chan, C Rau and K Weaver-Lewis, Salt Lake City, UT and Murray, UT. University of Utah (WSPR)  
Abstract 404

101 THE DEVELOPMENT OF NECROTIZING ENTEROCOLITIS AFTER PACKED RED BLOOD CELL ADMINISTRATION.  
K Jhun, F Wertheimer, L Barton, S Sardesai and R Ramanathan, Los Angeles, CA. University of Southern California  
Abstract 405

102 A NOVEL TECHNIQUE OF DOUBLE UMBILICAL VENOUS CATHETERIZATION: IS IT WORTH IT?  
P Mehrotra, M Sondhi, I Purdy and U Devaskar, Los Angeles, CA. David Geffen School of Medicine at UCLA  
Abstract 406

103 EXPOSURE TO LEADERSHIP WALKROADS IN NEONATAL INTENSIVE CARE UNITS IS ASSOCIATED WITH A BETTER PATIENT SAFETY CULTURE, AND LESS CAREGIVER BURNOUT.  
J Profit, P Sharek, E Thomas, JB Gould, C Nisbet, A Amsperger, M Kowalkowski, R Schwendimann and B Sexton, Stanford, CA; Houston, CA; Houston, TX; Basel, Switzerland and Durham, NC. Stanford University  
Abstract 407

104 RESIDENT AND STUDENT EXPERIENCE AND SATISFACTION WITH ONLINE NICU CURRICULUM.  
K Rice and R Savich, Albuquerque, NM. University of New Mexico  
Abstract 408

105 AMPLITUDE-INTEGRATED EEG: A NATIONAL SURVEY OF PRACTICES.  
NA Shah, KP Van Meurs and AS Davies, Palo Alto, CA. LPCH/Stanford University  
Abstract 409

106 UNDERSTANDING DISEASE VARIANTS ASSOCIATED WITH ISOLATED CONGENITAL DIAPHRAGMATIC HERNIA.  
H Shannugam, L Brunelli, N Matsunami, M Leppt, J Yost, C Arrington and NE Bowles, Salt Lake City, UT. University of Utah  
Abstract 410

107 CREATION OF A PARENT TO PARENT (PTP) MANAGER POSITION AND FIRST YEAR OUTCOMES.  
K Iosso and N Park, Kansas City, MO. Children’s Mercy Hospital and Clinics. University of Missouri-Kansas City School of Medicine  
Abstract 411

108 SAFE SLEEP IMPLEMENTATION IN NEONATAL INTENSIVE CARE UNIT (NICU).  
K Iosso, N Park, M Leick-Rude, A Terreros and P Larimore, Kansas City, MO. Children’s Mercy Hospital  
Abstract 412

109 IMPACT OF STANDARDIZED COMMUNICATION TECHNIQUES ON ERRORS DURING NEONATAL RESUSCITATION.  
NK Yamada, JH Fuerch and LP Halamek, Palo Alto, CA. Packard Children’s Hospital at Stanford (WSPR)  
Abstract 413

110 INTRAOPERATIVE EPIDURAL METHYLPREDNISOLONE IN PATIENTS WITH MINIMALLY INVASIVE SINGLE-LEVEL LUMBAR DECOMPRESSION: A PROSPECTIVE STUDY.  
MJ Arnell, H Arita and DC Lu, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)  
Abstract 414

111 ROLE OF MYOCILIN IN RECEPTOR ENDOCYTOSIS.  
T Bowen, N Congrove and B McEv, Tucson, AZ. University of Arizona College of Medicine (WSMRF)  
Abstract 415

112 AN APPRAISAL OF THE OPSEI ACADEMIC ROUNDS EVALUATIONS.  
QK Clarke, D Duffy and D Courtemanche, Vancouver, BC, Canada. British Columbia Children’s Hospital  
Abstract 416

113 CASE REPORT: PULMONARY EMBOLISM FOLLOWING SHOULDER ARTHROSCOPY.  
NH Goldhaber, CS Lee and A Ford, Burbank, CA. Stetson Powell Orthopedics  
Abstract 417

114 A REAL-TIME DECISION-SUPPORT SYSTEM TO IMPROVE INTRAOPERATIVE COMPLIANCE TO A GLUCOSE MANAGEMENT PROTOCOL.  
KA Grunzweig, GN Peterson and BG Nair, Seattle, WA. University of Washington School of Medicine (WSMRF)  
Abstract 418

115 HEPATIC FOCAL NODULAR HYPERPLASIA IN CHILDREN POST-ONCOLOGIC THERAPY.  
A. Hosier and DK Imagawa, Irvine, CA. University of California, Irvine School of Medicine  
Abstract 419

116 THE CORRELATION BETWEEN FACET TROPISM AND DISC DEGENERATION IN THORACIC SPINE.  
TE Hoibson, M Thurelae, S Takahashi and J Wang, Los Angeles, CA and Tampa, FL. David Geffen School of Medicine at UCLA  
Abstract 420

117 DOES GELATIN-THROMBIN MATRIX TISSUE SEALANT ALTER RISK OF PELVIC ABSCESS IN PATIENTS UNDERGOING GYNECOLOGIC SURGERY?  
M Jarrett, K Behbakht, C Anderson, DN Frank, A Vázquez-Torres and BD McCollister, Aurora, CO. University of Colorado Health Sciences Center  
Abstract 421

118 MANAGEMENT OF BIRTH RELATED BRACHIAL PLEXUS INJURIES.  
M Neufeld, C Verchere and M Bucovsky, Vancouver, BC, Canada. University of British Columbia  
Abstract 422

119 SHORT-TERM PHYSICAL INACTIVITY IMPAIRS VASCULAR FUNCTION.  
E Nosova, P Yen, K Chong, H Alley, MS Conte, EO Stock, CD Owens and S Grenon, San Francisco, CA and Los Angeles, CA. University of California San Francisco (WSMRF)  
Abstract 423

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### Abstracts

**120 LOS ANGELES COUNTY TOTAL HIP AND KNEE PATIENTS ARE MORE ENGAGED IN THEIR HEALTH BEHAVIOR.**
*C Pham, J Andrawis, G Tsuchida, P Saini and L Kwong, Los Angles, CA. David Geffen School of Medicine (WSMRF)*

**121 TRAUMATIC POSTERIOR SPONDYLOLISTHESIS L5/S1.**
*M Robbins, Z Mallon, R Patel, R Roberto, M Gupta and E Klineberg, Sacramento, CA. University of California Davis, School of Medicine*

**122 BENEFICIAL EFFECTS OF PREOPERATIVE STATINS ON CARDIAC SURGERY PATIENTS.**
*W Toppen, S Sareh, P Hsiue, N Satou, R Shemin, E Buch and P Benharash, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

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**CONCURRENT SESSIONS**

**Saturday, January 25, 2014**

**11:00 AM – 12:30 PM**

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WESTERN STUDENT MEDICAL RESEARCH FORUM

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<td>Mary Ramos and Samrat U. Das</td>
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<td>Health Care Research: Novel Diagnostics and Therapies</td>
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<td>Neuroscience II</td>
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**Adolescent Medicine and General Pediatrics III**

**11:00 UNIVERSITY OF NEW MEXICO BREASTFEEDING PROJECT: RATES, KNOWLEDGE AND ATTITUDES, BARRIERS AND SUPPORTS.**
*EA Sebesta and A McGough-Maduena, Albuquerque, NM. University of New Mexico*  
Abstract 427

**11:15 DEVELOPING A CLINICAL PATHWAY TO IMPROVE SCHOOL-BASED HEALTH CARE OF ADOLESCENT SUBSTANCE ABUSE.**
*M Ramos, W Stoltzfus, M Sharff and T Condon, Albuquerque, NM. University of New Mexico (WSPR)*  
Abstract 428

**11:30 BREAKING THROUGH TO AT-RISK YOUTH: REFLECTIONS OF PEDIATRIC RESIDENTS MENTORING GIRLS AT AN URBAN HIGH SCHOOL IN FRESNO, CA.**
*K Shliakhtitsava, A Azimi, A Farrell, R Kretzmer and R Kinman, Fresno, CA and Madera, CA. UCSF-Fresno*  
Abstract 429

**11:45 SKELETAL MUSCLE SPASTICITY RESULTS FROM SATELLITE CELL DEFICIENCY.**
*V Lyubasyuk, B McKay, S Dayanidhi, H Chambers and RL Lieber, La Jolla, CA; San Diego, CA and Hamilton, ON, Canada. University of California San Diego (WSPR Subspecialty Award Winner)*  
Abstract 430

**12:00 INCREASING BICYCLE HELMET USE AMONG THE YOUTH OF DEER LODGE, MT.**
*A Smith, Seattle, WA. University of Washington School of Medicine*  
Abstract 431

**12:15 GENETIC DIFFERENCES IN RESPONSE TO DIET: IMPLICATIONS FOR MATERNAL AND CHILD HEALTH.**
*Y Chen, K Mulder, A Wiedeman, R Dyer and S Innis, Vancouver, BC, Canada. University of British Columbia*  
Abstract 432

**Cardiovascular III**

**11:00 A NATURAL HISTORY OF PERICARDIAL EFFUSION AFTER HEART TRANSPLANTATION.**
*Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center*  
Abstract 433

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11:15 DO REDO HEART TRANSPLANT PATIENTS HAVE AN INCREASED RISK OF ANTIBODY DEVELOPMENT?
A Aquino, Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

11:30 DOSE CONVERSION FACTOR BETWEEN CYCLOSPORINE AND TACROLIMUS IN PEDIATRIC HEART TRANSPLANT PATIENTS.
E Notaro, L Brown, E Albers, S Law and M Kemna, Seattle, WA. University of Washington

11:45 BETA BLOCKERS TO LOWER HEART RATE AFTER HEART TRANSPLANTATION MAY NOT BE BENEFICIAL.
A Parikh, Z Yu, F Liou, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

12:00 CYLEX SCORES FOR AFRICAN AMERICANS VS. CAUCASIANS: IS THERE A DIFFERENCE?
D Wong, Z Yu, F Liou, J Yabuno, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

12:15 LONGITUDINAL DEVELOPMENT OF OBESITY IN THE POST FONTAN POPULATION.
KA Wellnitz, JR Fineman, I Harris and M Radman, San Francisco, CA. University of California San Francisco (WSMRF)

Health Care Research III: Novel Diagnostics and Therapies
Conductor’s Room (Sunset Center)
Alkesh Jani, Presiding

11:00 MAGGOT THERAPY IS IMPROVING WOUND CARE IN RESOURCE-LIMITED POPULATIONS.
S Rosen, A Mirabzadeh, M Ladani, S Sharifi, M Mashayekhi, M Azema, B Imani and R Sherman, Aurora, CO; Tehran, Iran, Islamic Republic of and Irvine, CA. University of Colorado School of Medicine

11:15 THE EFFECTS OF TRADITIONAL CHINESE MEDICINE ON CHEMOTOXICITY AMONG ETHNICALLY DIVERSE BREAST CANCER SURVIVORS.
E Tam, J Ergas, JM Roh, ML Kwan and LH Kushi, Los Angeles, CA and Oakland, CA. David Geffen School of Medicine at UCLA (WSMRF)

11:30 EXPERIMENTAL RESEARCH INTO THE INFLUENCE OF DIFFERENT EXERCISES OF ANKLES ON INTRAVENOUS BLOOD REFLUX IN LOWER EXTREMITIES.
X Wang, Quinhuangdao, China. Yanshan University

11:45 HIERARCHICAL REPRESENTATIONS FOR LUNG NODULE DETECTION IN CHEST COMPUTER TOMOGRAPHY WITH DEEP NETWORKS.
H Zheng, J Chun, F Li, H Ying, M Zhang and S Kenji, Xi’an, China; Chicago, IL and Nagakute, Japan. Xi’an University of Technology (WSCT Travel Award Winner)

12:00 INTERIM RESULTS: AN INNOVATIVE COMBINATION OF EXCIMER LASER, CLOBETASOL SPRAY, AND CALCITRIOL OINTMENT FOR THE TREATMENT OF PSORIASIS.
G Brown, MG Debbaneh, E Wang, M Malakouti, E Levin, A Leon and J Koo, San Francisco, CA. University of California, San Francisco (WAFMR/WAP Student Subspecialty Award Winner (WSMRF)

12:15 THE PSYCHOSOCIAL AND OCCUPATIONAL STATUS OF PATIENTS AFTER TREATMENT OF GENERALIZED PSORIASIS WITH A BIOLOGIC USTEKINUMAB: INTERIM RESULTS.
M Malakouti, E Wang, G Brown, MG Debbaneh, A Leon, E Levin and J Koo, San Francisco, CA. University of California, San Francisco (WSMRF)
12:00 INVESTIGATING THE REGULATION OF MICRNORNA-21 IN PANCREATIC CANCER TUMOR-ASSOCIATED FIBROBLASTS.
M Bikhchandani, P Toste and T Donahue, Los Angeles, CA. David Geffen School of Medicine at UCLA
Abstract 449

12:15 INHIBITING MONOPOLAR SPINDLE 1 KINASE SUPPRESSES COLONY FORMATION IN MEDULLOBLASTOMA CELLS.
JH Ng, P Harris, S Venkataraman, I Balakrishnan and R Vibhakar, Aurora, CO. University of Colorado School of Medicine
Abstract 450

Immunology and Hematology
Bingham Room #3 (Sunset Center)
Keith Colburn and Kevin Deane, Presiding

11:00 SNAPC1 MEDIATES SUSCEPTIBILITY TO MYCOBACTERIAL INFECTION IN ZEBRAFISH.
S Levitte, R Berg, J Cameron, J Ray, D Tobin, C Moens and L Ramakrishnan, Seattle, WA. University of Washington (WSMRF)
Abstract 451

11:15 PYROSEQUENCING AS AN ESSENTIAL TOOL TO DETECT POLYMORPHISMS IN FCRT/H1A RECEPTOR (CD16) FOR PATIENTS UNDERGOING IMMUNOTHERAPY.
B Shirley, J Gale, P Khalili, B Wilson, M Vasel, S Winter and K Matlawska-Wasowska, Albuquerque, NM. University of New Mexico (WSMRF)
Abstract 452

11:30 MECHANISM OF REGULATION OF INFLAMMATORY ARTHRITIS BY TRANSCRIPTION FACTOR AHR.
GP Kaiser and S Sarkar, Tucson, AZ. University of Arizona College of Medicine (W AFMR)
Abstract 453

11:00 GENERATION OF A HUMAN T-CELL RECEPTOR CELL LINE TO EVALUATE INFLUENZA PEPTIDE PRESENTATION.
H Machkovech and J Bloom, Seattle, WA. University of Washington (WSMRF)
Abstract 454

11:45 IMPROVING STABILITY OF THE LIPASE IMMOBILIZED IN AMINO-FUNCTIONALIZED MESOPOROUS SBA-15 WITH CROSS-LINKING METHOD.
C Zhao, Y Li, L Jiang and B Gao, Zhuhai, China and Changchun, China. Jilin University (WSCI Travel Award Winner)
Abstract 455

12:00 OPTIMIZATION OF ULTRASOUND-ASSISTED EXTRACTION CONDITIONS OF POLYSACCHARIDES FROM TRICHOLOMA MATSUTAKE MYCELIUM USING RESPONSE SURFACE METHODOLOGY AND PRELIMINARY STUDY ON ITS ANTIOXIDATIVE EFFECT.
Y Wang, Q Li, J Xie and L Teng, Changchun, China and Zhuhai, China. Jilin University (WSCI Travel Award Winner)
Abstract 456

Infectious Diseases II
Studio 105 (Sunset Center)
Hannah Scarborough, Presiding

11:00 CHANGES IN TREATMENT OF RESPIRATORY SYNCYTIAL VIRUS (RSV).
G Hughes, L Amini, N Serario, O Hosseinizadegh, R Karmouta, N Afzal, A Raja, K Mulvaney, W Robertson and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine School of Medicine
Abstract 457

11:15 CHARACTERISTICS OF INVASIVE HERPES SIMPLEX VIRUS INFECTION (HSV) IN NEONATES.
L Amini, M Cruz, J Tiber, Y Brown, A Memon, A Parekh, M Chang, J Agosta and B Afghani, Irvine, CA and Orange County, CA. University of California, Irvine
Abstract 458

11:30 SEXUAL RISK BEHAVIORS AND SUBSTANCE USE AMONG GAY AND NOT GAY-IDENTIFIED YMSM WHO USE GRINDR.
A Levi, C Tseng and RJ Landovitz, Los Angeles, CA. University of California, Los Angeles
Abstract 459

11:45 ISOLATION AND DETECTION OF BORRELIA BURGDORFERI FROM HUMAN VAGINAL AND SEMINAL SECRETIONS.
MJ Middelveen, C Bandoski, J Burke, E Sapi, PJ Mayne and RB Stricker, Calgary, AB, Canada; West Haven, CT; Sydney, Australia; West Haven, CT
Abstract 460

12:00 COTTON FEVER: A SELF-LIMITING SYNDROME IN IVDA.
MD Ramirez and B Marsh, Hillcrest, CA. University of California, San Diego
Abstract 461

12:15 SHINGLES VACCINE AWARENESS: EDUCATING SENIOR CITIZENS AND CAREGIVERS IN POWELL, WYOMING MICHELLE JU UWSOM, SEATTLE, WA.
M Ju, Seattle, WA. University of Washington School of Medicine
Abstract 462

Neonatology - General IV
Babcock #6 (Sunset Center)
Shrena Patel and Robin Ohls, Presiding

11:00 SPLANCHNIC TISSUE OXYGENATION IN PRETERM INFANTS WITH SIGNIFICANT ANEMIA: OBSERVATIONS UNDER NEAR INFRARED SPECTROSCOPY.
K Bruské, CC Yost and M Baserga, Salt Lake City, UT. University of Utah
Abstract 463
11:15 SURVIVAL AND OUTCOMES OF 23 WEEKS GESTATION INFANTS OVER TIME.
K Wang and L Barton, Los Angeles, CA. Keck School of Medicine of University of Southern California (WSMRF) 
Abstract 464

11:30 CHALLENGES IN THE STUDY OF BRAIN IMAGING BIOMARKERS IN VERY PRETERM INFANTS AT 4 MONTHS OF AGE.
E Stephens, A Caprithan, Y Calhoun and AF Duncan, Albuquerque, NM. University of New Mexico 
Abstract 465

11:45 OUTCOMES OF EXTREMELY PRETERM INFANTS AFTER DELIVERY ROOM CARDIOPULMONARY RESUSCITATION.
S Handley, Y Sun, M Wyckoff and H Lee, San Francisco, CA; Dallas, TX and Palo Alto, CA. University of California, San Francisco 
Abstract 466

12:00 HISTONE MODIFICATIONS ARE ALTERED IN THE RENAL CORTEX OF VENTILATED PRETERM LAMBS.
A Blair, E Staub, L Dong, MJ Dahl and K Albertine, Salt Lake City, UT. University of Utah (WSMRF) 
Abstract 467

12:15 IMPACT OF MATERNAL HIGH FAT DIET ON FETAL SKELETAL MUSCLE FIBER SIZE.
K Kelley, C McCurdy, L Tuttle and RL Lieber, La Jolla, CA; Eugene, OR and San Diego, CA. University of California San Diego (WSMRF) 
Abstract 468

Neuroscience II
Chapman #4 (Sunset Center)
Marie-Francois Chesselet and Michel Baudry, Presiding

11:00 MECHANISMS OF INFLAMMATION IN BLOOD-BRAIN BARRIER DISRUPTION.
AM Gray and WA Banks, Seattle, WA. University of Washington School of Medicine 
Abstract 469

11:10 DISSECTING THE EFFECT OF NOVEL BASAL GANGLIA-PREFRONTAL CORtical PROJECTIONS IN SCHIZOPHRENIC PATHOPHYSIOLOGY.
NM Duggan, A Saunders and BL Sabatini, Seattle, WA and Boston, MA. University of Washington School of Medicine (WSMRF) 
Abstract 470

11:20 INTRANASAL ADMINISTRATION AS A ROUTE FOR DRUG DELIVERY TO THE BRAIN: EVIDENCE FOR A UNIQUE PATHWAY FOR ALBUMIN.
JA Falcone, TS Salameh and WA Banks, Seattle, WA. University of Washington School of Medicine 
Abstract 471

11:30 APAMIN IMPROVES LEARNING AND MEMORY IN ANGELMAN SYNDROME MICE.
NC Rouse, DW Ethell, Y Hong and J Cho, Pomona, CA and Phillips Ranch, CA. Western University of Health Sciences (WSMRF) 
Abstract 472

11:40 OPTIMIZING DIFFERENTIATION OF NEURONS FROM TRANSDIFFERENTIATED HUMAN FIBROBLASTS.
A Messier, R Wang, L Li and L Cunningham, Albuquerque, NM. University of New Mexico (WSCI Travel Award Winner) (WSPR) 
Abstract 473

12:00 State-of-the-Art Speaker
LEARNING AND MEMORY: HOW DOES IT WORK AND CAN WE FIX IT WHEN IT DOES NOT WORK?
Michel Baudry, Western University
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