2017

Western Medical Research Conference

January 26-28, 2017
Carmel, California

Participating Societies:
Western Section American Federation for Medical Research
Western Society for Clinical Investigation
Western Association of Physicians
Western Society for Pediatric Research
Western Student and Resident Medical Research Forum
California Thoracic Society

"Photo courtesy of Kurt Albertine"
Acknowledgements

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

Abbott Nutrition

Mead-Johnson Nutrition

Save the Date for 2018 WMRC
January 25-27, 2018
TABLE OF CONTENTS

CME Certification Information 5
Award Winners 6
WAP Symposium 9
Joint Plenary Session 63
Officers 79
CME Disclosure Information on Authors 81-89
Author Index 90-95
Maps of Area 96-97
Journal link to view published abstracts: http://jim.bmj.com/content/65/1

INDEX TO ABSTRACTS

THURSDAY, JANUARY 26, 2017

<table>
<thead>
<tr>
<th>Concurrent Sessions: 12:45 pm–3:00 pm</th>
<th>Abstract No.</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adolescent Medicine and General Pediatrics I</td>
<td>1-6</td>
<td>(pg 10)</td>
</tr>
<tr>
<td>Cardiovascular I</td>
<td>7-15</td>
<td>(pg 11)</td>
</tr>
<tr>
<td>Endocrinology and Metabolism I</td>
<td>16-22</td>
<td>(pg 12)</td>
</tr>
<tr>
<td>Health Care Research I</td>
<td>23-31</td>
<td>(pg 13)</td>
</tr>
<tr>
<td>Immunology and Rheumatology I</td>
<td>32-38</td>
<td>(pg 14)</td>
</tr>
<tr>
<td>Infectious Diseases I</td>
<td>39-47</td>
<td>(pg 15)</td>
</tr>
<tr>
<td>Neonatal Pulmonary I</td>
<td>48-56</td>
<td>(pg 16)</td>
</tr>
<tr>
<td>Neonatology General I</td>
<td>57-65</td>
<td>(pg 18)</td>
</tr>
<tr>
<td>Surgery I</td>
<td>66-73</td>
<td>(pg 19)</td>
</tr>
</tbody>
</table>

Concurrent Sessions: 3:15 pm–5:45 pm

| Cardiovascular II | 75-82 | (pg 21) |
| Community Health I | 83-91 | (pg 22) |
| Global Health I | 92-101 | (pg 23) |
| Hematology and Oncology I | 102-110 | (pg 25) |
| Neonatal Pulmonary II | 111-119 | (pg 26) |
| Neonatology General II | 120-129 | (pg 27) |
| Neuroscience I | 130-137 | (pg 29) |
| Pulmonary and Critical Care I | 138-147 | (pg 30) |
| Surgery II | 148-154 | (pg 31) |

Welcome Reception and Poster Session

FRIDAY, JANUARY 27, 2017

<table>
<thead>
<tr>
<th>Concurrent Sessions: 8:00 am–10:00 am</th>
<th>Abstract No.</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adolescent Medicine and General Pediatrics II</td>
<td>226-233</td>
<td>(pg 42)</td>
</tr>
<tr>
<td>Cardiovascular III</td>
<td>234-241</td>
<td>(pg 43)</td>
</tr>
<tr>
<td>Endocrinology and Metabolism II</td>
<td>242-247</td>
<td>(pg 44)</td>
</tr>
<tr>
<td>Gastroenterology</td>
<td>248-253</td>
<td>(pg 45)</td>
</tr>
<tr>
<td>Genetics</td>
<td>254-261</td>
<td>(pg 46)</td>
</tr>
<tr>
<td>Neonatal Pulmonary III</td>
<td>262-267</td>
<td>(pg 47)</td>
</tr>
</tbody>
</table>
Neonatology Perinatal Biology I 268-273 (pg 48)
Neonatology General III 274-281 (pg 49)
Surgery III 282-289 (pg 50)

**Concurrent Session: 10:15 am–12:30 pm**

Behavior and Development I 290-294 (pg 52)
Global Health II 295-302 (pg 53)
Health Care Research II 303-311 (pg 54)
Hematology and Oncology II 312-320 (pg 55)
Infectious Diseases II 321-329 (pg 56)
Morphogenesis and Malformations 330-335 (pg 57)
Neonatology General IV 336-342 (pg 58)
Nephrology and Hypertension 343-347 (pg 59)
Neuroscience II 348-355 (pg 60)
Surgery IV 357-364 (pg 61)

**Joint Plenary Session: 1:30 pm–4:30 pm** 365-368 (pg 63)

**SATURDAY, JANUARY 28, 2017**

**Concurrent Sessions: 8:00 am–10:00 am**

Adolescent Medicine and General Pediatrics III 369-376 (pg 65)
Behavior and Development II 377-384 (pg 66)
Case Reports 385-392 (pg 67)
Community Health II 393-400 (pg 68)
General Internal Medicine and Aging 401-406 (pg 69)
Neonatology Perinatal Biology II 407-413 (pg 70)
Neonatology General V 414-421 (pg 71)
Pulmonary and Critical Care II 422-427 (pg 72)

**Concurrent Session: 10:15 am–12:00 pm**

Health Care Research III 428-434 (pg 73)
Hematology and Oncology III 435-441 (pg 74)
Immunology and Rheumatology II 442-446 (pg 75)
Neonatology General VI 447-453 (pg 76)
Neuroscience III 454-458 (pg 77)
<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY &amp; LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>THURSDAY, JANUARY 26, 2017</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>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>Speaker Ready Room</td>
</tr>
<tr>
<td></td>
<td>Sunset Center</td>
</tr>
<tr>
<td>9:30 am – 11:15 am</td>
<td>WAP Symposium</td>
</tr>
<tr>
<td></td>
<td>Studio 105</td>
</tr>
<tr>
<td>9:30 am – 12:00 pm</td>
<td>WSPR Council Meeting</td>
</tr>
<tr>
<td></td>
<td>Sunset Center – Bingham #3</td>
</tr>
<tr>
<td>11:15 am – 11:30 am</td>
<td>WAP Business Meeting</td>
</tr>
<tr>
<td></td>
<td>Studio 105</td>
</tr>
<tr>
<td>11:15 am – 12:15 pm</td>
<td>How to Choose a Residency with a Research Focus</td>
</tr>
<tr>
<td></td>
<td>Mark Whipple, <em>University of Washington</em></td>
</tr>
<tr>
<td></td>
<td><em>Bring own lunch – Open to all students</em></td>
</tr>
<tr>
<td></td>
<td>Sunset Center – Chapman #4</td>
</tr>
<tr>
<td>11:15 am – 12:15 pm</td>
<td>New Investigator Workshops</td>
</tr>
<tr>
<td></td>
<td><em>(Intended for Fellows and Jr. Faculty – Additional charge of $10 and lunch will be provided)</em></td>
</tr>
<tr>
<td></td>
<td>How to Publish: Tips from a Journal Editor</td>
</tr>
<tr>
<td></td>
<td>Michael McPhaul</td>
</tr>
<tr>
<td></td>
<td>*Chief Editor, <em>Journal of Investigative Medicine</em></td>
</tr>
<tr>
<td></td>
<td>Sunset Center – Green Room</td>
</tr>
<tr>
<td>12:45 pm – 3:00 pm</td>
<td>Concurrent Sessions</td>
</tr>
<tr>
<td></td>
<td><em>Sunset Center</em></td>
</tr>
<tr>
<td></td>
<td>Adolescent Medicine and General Pediatrics I – <em>Carpenter Hall</em></td>
</tr>
<tr>
<td></td>
<td>Cardiovascular I – <em>Promenade Lobby</em></td>
</tr>
<tr>
<td></td>
<td>Endocrinology and Metabolism I – <em>Bingham #3</em></td>
</tr>
<tr>
<td></td>
<td>Health Care Research I – <em>Babcock #6</em></td>
</tr>
<tr>
<td></td>
<td>Immunology and Rheumatology I – <em>Chapman #4</em></td>
</tr>
<tr>
<td></td>
<td>Infectious Diseases I – <em>Conductor’s Room</em></td>
</tr>
<tr>
<td></td>
<td>Neonatal Pulmonary I – <em>Rehearsal Room</em></td>
</tr>
<tr>
<td></td>
<td>Neonatology General I – <em>Studio 105</em></td>
</tr>
<tr>
<td></td>
<td>Surgery I – <em>Green Room</em></td>
</tr>
<tr>
<td>3:00 pm – 3:15 pm</td>
<td>Break</td>
</tr>
<tr>
<td>Time</td>
<td>Concurrent Sessions</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>3:15 pm – 5:45 pm</td>
<td><strong>Concurrent Sessions</strong></td>
</tr>
<tr>
<td></td>
<td>Cardiovascular II – Promenade Lobby</td>
</tr>
<tr>
<td></td>
<td>Community Health I – Carpenter Hall</td>
</tr>
<tr>
<td></td>
<td>Global Health I – Conductor’s Room</td>
</tr>
<tr>
<td></td>
<td>Hematology and Oncology I – Green Room</td>
</tr>
<tr>
<td></td>
<td>Neonatal Pulmonary II – Rehearsal Room</td>
</tr>
<tr>
<td></td>
<td>Neonatology General II – Babcock #6</td>
</tr>
<tr>
<td></td>
<td>Neuroscience I – Chapman #4</td>
</tr>
<tr>
<td></td>
<td>Pulmonary and Critical Care I – Studio 105</td>
</tr>
<tr>
<td></td>
<td>Surgery II – Bingham Room #3</td>
</tr>
<tr>
<td>3:45 pm – 5:15 pm</td>
<td><strong>Concurrent Sessions</strong></td>
</tr>
<tr>
<td></td>
<td>Welcome Reception and Poster Session</td>
</tr>
<tr>
<td></td>
<td>Jointly sponsored by</td>
</tr>
<tr>
<td></td>
<td>WAFMR, WAP, WSCI, WSMRF, and WSPR</td>
</tr>
<tr>
<td></td>
<td>All welcome and encouraged to attend</td>
</tr>
<tr>
<td></td>
<td>(Shuttle provided from Sunset Center)</td>
</tr>
<tr>
<td></td>
<td>Carmel Mission Inn – Carmelo Ballroom</td>
</tr>
<tr>
<td></td>
<td>3665 Rio Road, Carmel, CA 93923</td>
</tr>
<tr>
<td>6:00 pm – 7:30 pm</td>
<td><strong>Welcome Reception and Poster Session</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Jointly sponsored by</strong></td>
</tr>
<tr>
<td></td>
<td>WAFMR, WAP, WSCI, WSMRF, and WSPR</td>
</tr>
<tr>
<td></td>
<td>All welcome and encouraged to attend</td>
</tr>
<tr>
<td></td>
<td>(Shuttle provided from Sunset Center)</td>
</tr>
<tr>
<td></td>
<td>Carmel Mission Inn – Carmelo Ballroom</td>
</tr>
<tr>
<td></td>
<td>3665 Rio Road, Carmel, CA 93923</td>
</tr>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td><strong>WSPR Abbott Nutrition Reception</strong></td>
</tr>
<tr>
<td></td>
<td>Open to all WSPR members, trainees, and guests</td>
</tr>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td><strong>WAP Council Meeting</strong></td>
</tr>
<tr>
<td></td>
<td>(by invitation only)</td>
</tr>
<tr>
<td></td>
<td>Cantinetta Luca - Wine Room</td>
</tr>
<tr>
<td></td>
<td>Dolores St. and Ocean Ave.</td>
</tr>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td><strong>WAFMR Business Meeting</strong></td>
</tr>
<tr>
<td></td>
<td>(by invitation only)</td>
</tr>
<tr>
<td></td>
<td>Forge in the Forest</td>
</tr>
</tbody>
</table>

**FRIDAY, JANUARY 27, 2017**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am – 8:00 am</td>
<td><strong>University of Washington Breakfast</strong></td>
<td><strong>Carmel Mission Inn</strong></td>
</tr>
<tr>
<td></td>
<td>All UW residents and students invited</td>
<td></td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td><strong>Registration</strong></td>
<td><strong>Sunset Center – Entry Lobby</strong></td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td><strong>Speaker Ready Room</strong></td>
<td><strong>Sunset Center</strong></td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td><strong>California Thoracic Society Meeting</strong></td>
<td><strong>Quail Lodge</strong></td>
</tr>
<tr>
<td></td>
<td>COPD Symposium</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Further information: <a href="https://calthoracic.org/2017-annual-conference/">https://calthoracic.org/2017-annual-conference/</a></td>
<td></td>
</tr>
<tr>
<td>8:00 am – 10:00 am</td>
<td><strong>Concurrent Sessions</strong></td>
<td><strong>Sunset Center</strong></td>
</tr>
<tr>
<td></td>
<td>Adolescents Medicine and General Pediatrics II – Studio 105</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cardiovascular III – Promenade Lobby</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Endocrinology and Metabolism II – Bingham #3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Gastroenterology – Babcock #6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Genetics – Rehearsal Room</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neonatal Pulmonary III – Carpenter Hall</td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td></td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>10:00 am – 10:15 am</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>10:15 am – 12:00 pm</td>
<td>Concurrent Sessions</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Sunset Center</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Behavior and Development I - <em>Chapman #4</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Global Health II – <em>Promenade Lobby</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Health Care Research II – <em>Babcock #6</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hematology and Oncology II – <em>Carpenter Hall</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Infectious Diseases II – <em>Bingham Room #3</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Morphogenesis and Malformations – <em>Rehearsal Room</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neonatology General IV – <em>All Saints Church, Seccombe Hall</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nephrology and Hypertension – <em>Green Room</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neuroscience II – <em>Studio 105</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Surgery IV – <em>Conductor’s Room</em></td>
<td></td>
</tr>
<tr>
<td>10:15 am – 12:00 pm</td>
<td>How to Choose a Residency with a Research Focus</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mark Whipple, <em>University of Washington</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Bring own lunch – Open to all students</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Sunset Center – Chapman #4</em></td>
<td></td>
</tr>
<tr>
<td>12:30 pm – 1:30 pm</td>
<td>Investigator Workshop</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>(Intended for Fellows and Jr. Faculty)</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>(Additional charge of $10 and lunch will be provided)</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>How to Get Funded: Tips from a Study Section Member</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Amir Goldkorn, USC Keck School of Medicine</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Sunset Center – Green Room</em></td>
<td></td>
</tr>
<tr>
<td>1:30 pm – 4:30 pm</td>
<td>Joint Plenary Session</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>WAFMR, WSCI, WAP, and WSPR</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Sunset Center – Theater</em></td>
<td></td>
</tr>
<tr>
<td></td>
<td>WSCI Outstanding Investigator Award</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WSPR Abbott Nutrition Lowell Glasgow Student Research Award</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WSPR Abbott Nutrition Young Investigator Research Award</td>
<td></td>
</tr>
<tr>
<td></td>
<td>E.E. Osgood Award</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WAFMR Outstanding Investigator Award</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WSPR Stanley Wright Lecture</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mayo Soley Award Presentation</td>
<td></td>
</tr>
<tr>
<td>5:00 pm – 5:30 pm</td>
<td>WSCI Society Business Meetings</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Sunset Center – Theater</em></td>
<td></td>
</tr>
<tr>
<td>5:00 pm – 5:30 pm</td>
<td>WSPR Business Meeting</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Sunset Center – Theater</em></td>
<td></td>
</tr>
<tr>
<td>5:15 pm – 7:15 pm</td>
<td>Dysmorphology Club</td>
<td></td>
</tr>
<tr>
<td></td>
<td><em>Sunset Center – Rehearsal Room</em></td>
<td></td>
</tr>
<tr>
<td>Time</td>
<td>Event</td>
<td></td>
</tr>
<tr>
<td>--------------------</td>
<td>-----------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>6:00 pm – 7:00 pm</td>
<td>WSPR Mead Johnson Nutrition Junior Faculty Travel Award Reception &amp; Western Perinatal Club Reception Open to all WSPR, AAP, and CAN Members and Guests Pacific Room, LaPlaya Hotel</td>
<td></td>
</tr>
<tr>
<td>6:30 pm – 8:30 pm</td>
<td>Western Respiratory Club Dinner Occupational Lung Disease: From Antiquity until Today Speaker: Paul Blanc, University of California, San Francisco Pre-registration required at <a href="https://calthoracic.org/">https://calthoracic.org/</a> Quail Lodge</td>
<td></td>
</tr>
<tr>
<td>7:00 pm – 8:00 pm</td>
<td>Western Perinatal Club Briefing Sponsored by the Perinatal Sections of AAP Districts VIII and IX, the CAN, and Mead Johnson Nutrition Pacific Room, LaPlaya Hotel</td>
<td></td>
</tr>
</tbody>
</table>

**SUNDAY, JANUARY 28, 2017**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 am – 12:00 pm</td>
<td>Speaker Ready Room</td>
</tr>
<tr>
<td></td>
<td>Sunset Center</td>
</tr>
<tr>
<td>8:00 am – 10:00 am</td>
<td>Registration</td>
</tr>
<tr>
<td></td>
<td>Sunset Center – Entry Lobby</td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td>California Thoracic Society Meeting Interstitial Lung Diseases and Aerodigestive Respiratory Disorders Program Further information: <a href="https://calthoracic.org/2017-annual-conference/">https://calthoracic.org/2017-annual-conference/</a> Quail Lodge</td>
</tr>
<tr>
<td>8:00 am – 10:00 am</td>
<td>Concurrent Sessions</td>
</tr>
<tr>
<td></td>
<td>Sunset Center</td>
</tr>
<tr>
<td></td>
<td>Adolescent Medicine and General Pediatrics III – Rehearsal Room</td>
</tr>
<tr>
<td></td>
<td>Behavior and Development II – Chapman #4</td>
</tr>
<tr>
<td></td>
<td>Case Reports – Bingham Room #3</td>
</tr>
<tr>
<td></td>
<td>Community Health II – Conductor’s Room</td>
</tr>
<tr>
<td></td>
<td>General Internal Medicine and Aging – Babcock #6</td>
</tr>
<tr>
<td></td>
<td>Neonatology General V – Carpenter Hall</td>
</tr>
<tr>
<td></td>
<td>Neonatology Perinatal Biology II – Studio 105</td>
</tr>
<tr>
<td></td>
<td>Pulmonary and Critical Care II – Promenade Lobby</td>
</tr>
<tr>
<td>10:00 am – 10:15 am</td>
<td>Break</td>
</tr>
<tr>
<td>10:15 am – 12:00 pm</td>
<td>Concurrent Sessions</td>
</tr>
<tr>
<td></td>
<td>Sunset Center</td>
</tr>
<tr>
<td></td>
<td>Health Care Research III – Babcock #6</td>
</tr>
<tr>
<td></td>
<td>Hematology and Oncology III – Green Room</td>
</tr>
<tr>
<td></td>
<td>Immunology and Rheumatology II – Conductor’s Room</td>
</tr>
<tr>
<td></td>
<td>Neonatology General VI – Carpenter Hall</td>
</tr>
<tr>
<td></td>
<td>Neuroscience III – Chapman #4</td>
</tr>
<tr>
<td>12:15 pm – 2:00 pm</td>
<td>Society Officers Planning Meeting (by invitation only)</td>
</tr>
<tr>
<td></td>
<td>Sunset Center - Bingham Room #3</td>
</tr>
</tbody>
</table>
CME CERTIFICATION

This Live activity, 2017 Western Medical Research Conference, with a beginning date of January 26, 2017, has been reviewed and is acceptable for up to 18.75 Prescribed credits by the American Academy of Family Physicians. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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

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

You will receive the link and instructions in your **Email Inbox on Monday, January 30, 2017.** If you do not receive your link to the evaluation in your email inbox, please contact us at admin@afmr.org. Original certificates for this conference may be claimed until **February 28, 2017.** Duplicate certificates are available at any time.

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

- Margaret Adams
- Kathleen Angkustsiri
- Steve Arnsworth
- Jorge Artaza
- Maralyssa Bann
- Jennifer Barton
- Michel Baudry
- Arlin Blood
- Yvette Bordelon
- Laura Brown
- Fred Buckner
- Marie-Francois Chesselet
- Michel Chonchol
- Alison Chu
- Keith Colburn
- Lloyd Damon
- Samrat Das
- Lukejohn Day
- Kevin Deane
- Miguel del Campo
- Thomas Deloughery
- Laurel Desnick
- Katrina Dipple
- Ravi Durvasula
- Josephine Enciso
- Erika Fernandez
- Camille Fung
- Peter Ganz
- David Gilbert
- Joshua Goldhaber
- Melanie Green
- Subhas Gupta
- John Inadomi
- Vipul Jain
- Lauren Jantze
- Alberta Kong
- Henry Lee
- Kristina Lee
- Juan Lessing
- W. Conrad Liles
- Cherry Mammen
- Melanie Manning
- Jessie Maxwell
- Luisa Mestroni
- Philippe Montgrain
- Jorge Nieva
- Kristen Nowak
- Lance Prince
- Lee Pu
- Kalani Raphael
- Ann Reynolds
- Robert Ross
- Paul Rozance
- Eniko Sajti
- Michael Schivo
- Michael Spinelli
- Nicole Tartaglia
- Kristina Utzschneider
- Dave Viskochil
- Meghaan Walsh
- Margaret Wheeler
- Clyde Wright
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>Norah Alsaleh, Stanford University</td>
<td></td>
<td>WSPR Mead Johnson Nutrition Travel Award Winner</td>
</tr>
<tr>
<td>Ali Ammar, UCLA Kern Medical</td>
<td></td>
<td>WAFMR/WAP Outstanding Resident Award Winner</td>
</tr>
<tr>
<td>Toshio Aoki, University of Utah</td>
<td></td>
<td>WSPR Abbott Subspecialty Award Winner</td>
</tr>
<tr>
<td>Madhurima Baliga, University of Colorado School of Medicine</td>
<td></td>
<td>WSPR Abbott Subspecialty Award Winner</td>
</tr>
<tr>
<td>Alyson Banegas, University of New Mexico</td>
<td></td>
<td>WSPR Mead Johnson Nutrition Travel Award Winner</td>
</tr>
<tr>
<td>Wubishet Belay, Loma Linda University School of Medicine</td>
<td></td>
<td>WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Sarah Bernards, University of Washington</td>
<td></td>
<td>E.E. Osgood Award Winner</td>
</tr>
<tr>
<td>Navin Bhopal, LAC+USC Medical Center &amp; Children's Hospital</td>
<td></td>
<td>WSPR Mead Johnson Nutrition Travel Award Winner</td>
</tr>
<tr>
<td>Julie Boiko, University of California, San Francisco</td>
<td></td>
<td>WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Sydney Bowen, University of Utah</td>
<td></td>
<td>WSPR Abbott Nutrition Lowell Glasgow Student Research Award Winner</td>
</tr>
<tr>
<td>Carmen Chan, David Geffen School of Medicine at UCLA</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Stephanie Chassen, University of Colorado</td>
<td></td>
<td>WSPR Mead Johnson Nutrition Travel Award Winner</td>
</tr>
<tr>
<td>Edward Chiou, University of Washington</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Elizabeth Cristiano, University of Kansas</td>
<td></td>
<td>WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Jennifer Darnell, Western University of Health Sciences</td>
<td></td>
<td>WSPR Abbott Subspecialty Award Winner</td>
</tr>
<tr>
<td>Miguel del Campo, University of California, San Diego</td>
<td></td>
<td>WSPR Mead Johnson Nutrition Travel Award Winner</td>
</tr>
<tr>
<td>Mark Ehrhart, University of New Mexico Health Sciences Center</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Zachary Fitzgerald, University of Washington</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Kazumichi Fujioka, Stanford University School of Medicine</td>
<td></td>
<td>WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Carolina Galarreta Aima, University of California San Diego</td>
<td></td>
<td>WSPR Pediatric Resident Research Award</td>
</tr>
<tr>
<td>Philip Giddings, Loma Linda University</td>
<td></td>
<td>WAFMR Scholar Awardee</td>
</tr>
<tr>
<td>Danessa Gonzalez, Loma Linda University</td>
<td></td>
<td>WAFMR Scholar Awardee</td>
</tr>
<tr>
<td>Kaitlin Gorman, University of Colorado</td>
<td></td>
<td>WAFMR Scholar Awardee</td>
</tr>
<tr>
<td>Sarah Gunby, University of Washington</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Eutiquio Gutierrez, College of Osteopathic Medicine of the Pacific</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Hilary Haber, University of California, Davis</td>
<td></td>
<td>WSPR Abbott Subspecialty Award Winner</td>
</tr>
<tr>
<td>Marwa Hakimi, University of California, Davis</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Spencer Harris, University of Washington</td>
<td></td>
<td>WSPR Abbott Subspecialty Award Winner</td>
</tr>
<tr>
<td>Femke Horn, Loma Linda University School of Medicine</td>
<td></td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Jin Hur, Western University of Health</td>
<td></td>
<td>WAFMR Scholar Awardee</td>
</tr>
<tr>
<td>Name</td>
<td>Institution</td>
<td>Award Description</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>--------------------------------------------------</td>
<td>---------------------------------------------------------</td>
</tr>
<tr>
<td>Farhad Imam</td>
<td>University of California, San Diego, Rady Children’s Hospital</td>
<td>WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee</td>
</tr>
<tr>
<td>Ariana Kamaliazad</td>
<td>University of Washington School of Medicine</td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Kalpashri Kesavan</td>
<td>University of California</td>
<td>WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee</td>
</tr>
<tr>
<td>Nicholas Kolaitis</td>
<td>University of California, San Francisco</td>
<td>California Thoracic Society Scholar Winner</td>
</tr>
<tr>
<td>Jessie Maxwell</td>
<td>University of New Mexico</td>
<td>WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee</td>
</tr>
<tr>
<td>Gordon McLaren</td>
<td>University of California, Irvine</td>
<td>WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Catherine Milner</td>
<td>University of New Mexico</td>
<td>WSPR Mead Johnson Nutrition Travel Award Winner</td>
</tr>
<tr>
<td>Katharine Moore</td>
<td>Children’s Hospital Colorado</td>
<td>WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee</td>
</tr>
<tr>
<td>Danielle Peterson</td>
<td>University of Washington</td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Haseeb Rahat</td>
<td>UCAMC &amp; CHC</td>
<td>WAFMR Scholar Awardee</td>
</tr>
<tr>
<td>Mary Ramos</td>
<td>University of New Mexico</td>
<td>WAFMR Outstanding Investigator Award Winner and WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee</td>
</tr>
<tr>
<td>Maura Ruzhnikov</td>
<td>Stanford University</td>
<td>WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award Winner</td>
</tr>
<tr>
<td>Mick'l Scadden</td>
<td>University of Utah</td>
<td>WSPR Abbott Subspecialty Award Winner</td>
</tr>
<tr>
<td>Claire Simon</td>
<td>University of Washington School of Medicine</td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
<tr>
<td>Caitlin Stiglmeier</td>
<td>University of Utah</td>
<td>WSCI Travel Award Winner</td>
</tr>
<tr>
<td>Kayla Unsell</td>
<td>Loma Linda University</td>
<td>WAFMR Scholar Awardee</td>
</tr>
<tr>
<td>Kristen Wigby</td>
<td>University of California San Diego</td>
<td>WSPR Mead Johnson Nutrition Travel Award Winner</td>
</tr>
<tr>
<td>Christian Wiscombe</td>
<td>University of Utah</td>
<td>WSPR Abbott Subspecialty Award Winner</td>
</tr>
<tr>
<td>Tai-Wei Wu</td>
<td>Children's Hospital Los Angeles, University of Southern California Keck School of Medicine</td>
<td>WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee</td>
</tr>
<tr>
<td>Jin Yang</td>
<td>Loma Linda University School of Medicine</td>
<td>WAFMR/WAP Student Subspecialty Award Winner</td>
</tr>
</tbody>
</table>
SPECIALTY CLUB ANNOUNCEMENTS

Friday, January 27, 2017

DYSMORPHOLOGY CLUB
5:15 PM – 7:15 PM
Rehearsal Room – Sunset Center

Genetic Unknowns and Rare Knowns

Contact person: Joseph Shieh, and Jon Bernstein

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

6:00 PM
WSPR Mead Johnson Nutrition Junior Faculty Travel Award Reception
&
Western Perinatal Club Reception

7:00 - 8:00 PM
Perinatal Briefing

"BUGS, BIRTHS, AND BABIES."

Featured Speaker: David K. Stevenson, Stanford University

Supported by Mead Johnson Nutrition
WESTERN ASSOCIATION OF PHYSICIANS

Thursday, January 26, 2017
9:30 AM – 11:15 AM
Sunset Center – Studio 105

W. Conrad Liles and Ravi Durvasula, Presiding

9:30 OXYGEN TOXICITY IN THE PREMATURE LUNG: CAN WE SEPARATE THE SIGNAL FROM THE INEVITABLE CONSEQUENCE?
Clyde Wright, University of Colorado (Carmel Research Prize Recipient)

10:00 BACTERIAL SOCIALITY, PSEUDOMONAS AERUGINOSA, AND CYSTIC FIBROSIS.
Ajai Dandekar, University of Washington (Carmel Research Prize Recipient)

10:30 DEVELOPMENT OF A NEW THERAPEUTIC APPROACH FOR THE TREATMENT OF ARDS AND SEPSIS: MESENCHYMAL STROMAL (STEM) CELL THERAPY
Michael Matthay, University of California, San Francisco

11:15 ADJOURN

11:15 WAP BUSINESS MEETING

INVESTIGATOR WORKSHOP

Thursday, January 26, 2017
11:15 AM – 12:15 PM

The American Federation for Medical Research and the Tri-Societies are pleased to sponsor a workshop for Fellows and Junior Faculty. Additional charge of $10 and lunch will be provided.

HOW TO PUBLISH: TIPS FROM A JOURNAL EDITOR
Michael McPhaul
Chief Editor, Journal of Investigative Medicine
Sunset Center – Green Room

11:15 AM – 12:15 PM

HOW TO CHOOSE A RESIDENCY WITH A RESEARCH FOCUS
Mark Whipple
University of Washington
Bring own lunch - Open to all students
Sunset Center – Chapman #4
Adolescent Medicine and General Pediatrics I ……………………………….Carpenter Hall
Cardiovascular I……………………………………………………………...Promenade Lobby
Endocrinology and Metabolism I…………………………………………………...Bingham #3
Health Care Research I…………………………………………………………Babcock #6
Immunology and Rheumatology I…………………………………………………Chapman #4
Infectious Diseases I…………………………………………………………Conductor’s Room
Neonatal Pulmonary I…………………………………………………………Rehearsal Room
Neonatology – General I…………………………………………………………Studio 105
Surgery I…………………………………………………………………………Green Room

Adolescent Medicine and General Pediatrics I
Carpenter Hall
Cherry Mammen and Amy Staples, Presiding

12:45 SOCIAL PARTICIPATION AMONG YOUTH WITH PHYSICAL DISABILITIES TRANSITIONING TO ADULTHOOD.
H Stevens and E Meyers, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 1

1:00 ASSESSMENT OF PROVIDER GUIDANCE AND PARENTAL KNOWLEDGE AND ATTITUDE REGARDING CHILD PASSENGER SAFETY.
A Crisp, American Canyon, CA. University of California San Francisco, Fresno
Abstract 2

1:15 DOES EARLY ORTHOPEDIC CONSULTATION IN UNCOMPlicated ACRU HEMATOGogenous OSTEOMYELITIS DECREASE LENGTH OF STAY IN THE PEDICATRIC POPULATION?
M Ruiz Cangco and J Limon, Fresno, CA. University of California San Francisco, Fresno
Abstract 3

1:30 State-of-the-Art Speaker
THE VALUE OF CLINICAL PATHWAYS IN PEDIATRIC MEDICINE.
Douglas Matsell, BC Children’s Hospital
2:00 SEX AND WEIGHT STATUS ARE ASSOCIATED WITH BASELINE DISORDERED EATING BEHAVIORS IN NEW MEXICO ADOLESCENTS. 
A Banegas, EY Jimenez, H Nguyen, D Menchaca and A Kong, Albuquerque, NM. 
University of New Mexico (WSPR Mead Johnson Nutrition Travel Award Winner) 

2:15 METABOLIC, CARDIOVASCULAR, AND BEHAVIORAL FACTORS ASSOCIATED WITH ORAL HEALTH IN URBAN AMERICAN INDIAN AND CAUCASIAN YOUTH. 
K Boschert, G Coe, H Tyrrell, S Campbell, T Batliner, L Johnson, P Wadwa, E Morrato, J Albino and KJ Nadeau, Leawood, KS and Aurora, CO. University of Missouri 

2:30 EXCESSIVE SLEEPINESS IN A TEENAGER. 
K Cushanick and H Agarwal, Albuquerque, NM. University of New Mexico 

Break – 3:00-3:15 pm 

Cardiovascular I 
Promenade Lobby (Sunset Center) 
Robert Ross, Presiding 

12:45 REAL-TIME CLASSIFICATION OF ECG RHYTHM DURING RESUSCITATION: IMPLICATIONS FOR TREATMENT OR PROGNOSIS? 
J Doan, J Blackwood, J Coult, L Sherman, P Kudenchuk, H Kwok and T Rea, Seattle, WA. University of Washington School of Medicine (WSMRF) 

1:00 INDICATIONS FOR LATE PRETERM AND EARLY TERM BIRTH IN NEONATES WITH COMPLEX CONGENITAL HEART DISEASE. 
W Belay, S Davis, J Gates, AO Hopper and D GOFF, Loma Linda, CA. Loma Linda university (WSCI Travel Award Winner) 

1:15 OUTCOMES FOR TRANSTHYRETIN AMYLOID PATIENTS > 70 YEARS OF AGE WHO UNDERGO HEART TRANSPLANTATION. 
T Aintablian, R Sharoff, J Kwan, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center 

1:30 LONG-TERM OUTCOME OF RENAL SPARING PROTOCOL AFTER HEART TRANSPLANTATION: IS IT VIABLE? 
OJ Ding, T Aintablian, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center 

1:45 THE RELIABILITY AND PREDICTABILITY OF THE NEW ISHLT PGD GRADING SCALE IN HEART TRANSPLANTATION.
2:00 THE SAFETY AND EFFICACY OF TACROLIMUS/PROLIFERATION SIGNAL INHIBITOR (PSI) VS CYCLOSPORINE/PSI AFTER HEART TRANSPLANTATION.
K Nishihara, T Aintablian, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

2:15 LARGE NATIVE MITRAL VALVE THROMBUS.
S Howell, Sacramento, CA. University of California Davis

2:30 COMPARISON OF OUTCOMES AND COSTS FOR PROTEIN LOSING ENTEROPATHY FOLLOWING SINGLE VENTRICLE PALLIATION FOR RIGHT AND LEFT VENTRICLE MORPHOLOGY.
SA Moses, M Seckeler, BJ Barber and MH Witte, Tucson, AZ. University of Arizona

2:45 EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) TO MECHANICAL CIRCULATORY SUPPORT (MCS) AS A BRIDGE TO TRANSPLANTATION: LIFE SAVING.
M Hashimoto, T Aintablian, R Levine, R Sharoff, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

Break – 3:00-3:15 pm

Endocrinology and Metabolism I
Bingham Room #3 (Sunset Center)
Melanie Green and Prasanth Surampudi, Presiding

12:45 CUSHING SYNDROME: A RARE AND DEADLY CASE.
R Manalo, M Desai and A Sharma, Fresno, CA; San Francisco, CA and Madera, CA. University of California San Francisco, Fresno

1:00 RECURRENT HYPERPARATHYROIDISM IN A PATIENT WITH MEN 1 AFTER MULTIPLE PARATHYROIDECTOMIES AND REMOVAL OF PARATHYROID IMPLANT.
S Brar, P Kapsner and C Lovato, Albuquerque, NM. University of New Mexico HSC

1:15 LOW-DOSE ANDROGEN SUPPLEMENTATION POSITIVELY EFFECTS BODY FAT PERCENTAGE IN BOYS WITH KLINEFELTER SYNDROME.
S Davis, M Cox-Martin, K Kowal, P Zeitler and J Ross, Denver, CO and Philadelphia, PA. University of Colorado (WSPR)
1:30 METABOLIC EFFECTS OF ANDROGEN-ASSOCIATED BODY MASS IN KLINEFELTER SYNDROME.
MD Ehrhart, I Guthrie, F Qeadan and MR Burge, Albuquerque, NM. University of New Mexico Health Sciences Center (WAFMR/WAP Student Subspecialty Award Winner)

1:45 DETERMINING IF THERE IS AN ASSOCIATION BETWEEN CLINICAL MEASURES AND THE NUMBER OF SEVERE CO-MORBIDITIES IN PATIENTS WITH TYPE 2 DIABETES.
AT Mohammad, F Dong, A Dupre, M Nwaokoro, C Ochoa, E Barnes and A Pumerantz, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific

2:00 REPROMETABOLIC SYNDROME MEDIATES SUBFERTILITY IN OBESITY.
SA Black, A Malkhasyan, A Bradford, IE Schauer and N Santoro, Denver, CO. University of Colorado School of Medicine (WSMRF)

2:15 ADENINE DOSE STUDY MODELING CHRONIC KIDNEY DISEASE FOR ONE MONTH IN OLDER MALE AND FEMALE BALB/C MICE.
K Crane, W Schroeder, R Clark and K King, Aurora, CO. University of Colorado School of Medicine (WSMRF)

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

12:45 GLYCATED HEMOGLOBIN BY POINT-OF-CARE ANALYZERS: COMPARING RESULTS FROM TWO PORTABLE DEVICES VERSUS HOSPITAL LABORATORY RESULTS.
K Pentek, S Isaacs, LW Raymond, E Farabee, M Manning, A Harris and D Roy, Charlotte, NC. Carolinas HealthCare System

1:00 HOW CLINICIANS ANTICIPATE/PERCEIVE THE IMPACT OF WHOLE GENOME SEQUENCING ON ICU CARE CHOICES.
D Char, M Cho and D Magnus, Stanford, CA. Stanford

1:15 MULTIDISCIPLINARY CLEFT PALATE PROGRAM AT BC CHILDREN'S HOSPITAL: ARE WE MEETING THE STANDARDS OF CARE?
A Dahiya, R Courtemanche and D Courtemanche, Vancouver, BC, Canada. University of British Columbia (WSMRF)
1:30  EFFECT OF SYSTEM CHANGES ON NEONATAL OUTCOMES IN A NEWBORN UNIT IN RURAL KENYA.
A Ithondeka, H Githura, O Ombiro and B Fassl, Salt Lake City, UT and Naivasha, Kenya.
Naivasha Sub-County Hospital

1:45  IMPROVING THE EFFECTIVENESS OF A MALNUTRITION TREATMENT PROGRAM IN GUJARAT, INDIA.
K Stowers, A Chambers, R Malhotra, A Taylor, M Patel, R Patel and B Fassl, Salt Lake City, KY. University of Utah

2:00  THE ADVOCACY ROLE OF PHYSICIANS IN UGANDA.
R Jinah, L Kim, J Blanco, AR Hengel, M Ajiko, M Langer and GK Blair, Mississauga, ON, Canada and Soroti, Uganda. University of British Columbia (WSMRF)

2:15  PERCEIVED BARRIERS TO DIABETES DIETARY ADHERENCE: DIVERGENCE BETWEEN PATIENTS AND PROVIDERS.
R Bross, L Serpas, P Genter, Y Lu, M Hix, D Campa and E Ipp, Torrance, CA and Los Angeles, CA. Harbor-UCLA Medical Center and Los Angeles Biomedical Research Institute

2:30  BEYOND AN ACADEMIC EXERCISE: EXPANDING THE ROLE OF STUDENT HOME VISIT PROGRAMS TO EVALUATE PATIENTS' EXPERIENCE OF CARE.
K Richards, MW Bauer, W Eidson-Ton and U Shaikh, Sacramento, CA. University of California Davis Medical Center

2:45  STUDENT SATISFACTION AND THE VALUE OF PARTICIPATION IN A STRUCTURED MEDICAL STUDENT RESEARCH PROGRAM.
TR Woodiwiss, M Whipple and PC Wu, Seattle, WA. University of Washington

Break – 3:00-3:15 pm

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

12:45  CURRENT REGULATIONS ON THE MOST COMMON CONTACT ALLERGEN: HOW THE UNITED STATES COMPARES TO EUROPE.
JK Parker, D Bergman, M McGowan and S Jacob, Loma Linda, CA. Loma Linda University
1:00  PAINLESS OPHTHALMOPLEGIA: AN UNUSUAL PRESENTATION OF A RARE SYNDROME.
R Tucker, Clovis, CA. University of California San Francisco, Fresno

Abstract 33

1:15  EFFECT OF SUBCUTANEOUS METHOTREXATE ON DURATION OF METHOTREXATE THERAPY IN RHEUMATOID ARTHRITIS.
E Harris and B Ng, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 34

1:30  KIMURA'S DISEASE: CHRONIC INFLAMMATION AND CERVICAL LYMPHADENOPATHY MIMICKING LYMPHOMA IN A CHINESE MALE.
H Chahine, M Hammami, H Abukamleh, B Huynh and A Heidari, Bakersfield, CA. Kern Medical (WAFMR)

Abstract 35

1:45  ENGINEERING VIRUS-LIKE PARTICLE-BASED VACCINES FOR CHLAMYDIA TRACHOMATIS.
G Stroud, B Chackerian and K Frietze, Albuquerque, NM. University of New Mexico School of Medicine

Abstract 36

2:00  EVALUATION OF A BASOPHIL ACTIVATION FLOW CYTOMETRIC ASSAY AS AN ALTERNATIVE TO ORAL FOOD CHALLENGE FOR DETERMINING PEANUT ALLERGY.
TB Martins, DM Wilcock, R Firszt, PR Slev and HR Hill, Salt Lake City, UT. ARUP Institute for Clinical and Experimental Pathology

Abstract 37

2:15  NUP98 AND ITS ROLE IN TRANSCRIPTIONAL REGULATION OF THE TYPE I INTERFERON RESPONSE.
H Aintablian, N Schweers and KE Gustin, Phoenix, AZ. University of Arizona College of Medicine - Phoenix

Abstract 38

Infectious Diseases I
Conductor's Room
Fred Buckner, David Gilbert, and Ravi Durvasula, Presiding

12:45  HEME OXYGENASE-1 DEFICIENCY INCREASES THE SEVERITY OF SEPSIS IN A PRETERM MOUSE MODEL.
K Fujioka, F Kalish, H Zhao, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine (WSCI Travel Award Winner) (WSMRF)

Abstract 39

1:00  T CELL RESPONSE TO PRIMARY GENITAL HERPES SIMPLEX VIRUS TYPE 1 INFECTION.
S Gunby, L Jing, M Ott, A Wald, D Koelle and C Johnston, Mercer Island, WA.
1:15  ENHANCED NITRIC OXIDE PRODUCTION IN MONOCYTES OF CHRONIC GRANULOMATOUS DISEASE PATIENTS WITH AND WITHOUT EXPOSURE TO INTERFERON GAMMA.
LA Miles, NH Augustine, J Hansen Rejali, KO Woodbury, TR Haven, TB Martins, B Pasi, A Kumanovics and HR Hill, Salt Lake City, UT. University of Utah

1:30  FREQUENT CMV SHEDDING IN BREASTMILK IN CMV-SEROPOSITIVE HEALTHY WOMEN PERSISTS UP TO 17 WEEKS POST-PARTUM.
T Azenkot, B Zaniello, M Green, S Selke, H Meei-Li, A Magaret, A Wald and C Johnston, Sacramento, CA and Seattle, WA. UC Davis School of Medicine (WSMRF)

1:45  CONGENITAL SYPHILIS PRESENTING AS FEVER IN A NEONATE.
K Cushanick, Albuquerque, NM. University of New Mexico

2:00  SEVERE GROUP G STREPTOCOCCUS PYOGENIC ARTHRITIS IN A 10-YEAR OLD GIRL.
K Burke and W Dehority, Albuquerque, NM. University of New Mexico

2:15  ERYTHEMA SWEETOBULLOSUM; NOT VERY SWEET-LOOKING.
H Abukamleh, H Chahine, J Patel and A Heidari, VICTORVILLE, CA. kern medical

2:30  BEYOND MICROCEPHALY: OTHER MANIFESTATIONS OF NEONATAL AND INFANTILE CONGENITAL ZIKA VIRUS.
J Lawicki, A Pham, M Le, K Miao, S Lee, S Kim and B Afghani, Medford, MA; Irvine, CA and Orange, CA. Tufts University (WAFMR)

2:45  PULMONARY COCCIDIOIDOMYCOSIS AND TUBERCULOSIS COINFECTION.
A Heidari, A Parekh, A Munoz and G Petersen, Bakersfield, CA. Kern Medical - UCLA

Break – 3:00-3:15 pm

Neonatal Pulmonary I
Rehearsal Room (Sunset Center)
Adrian Lavery and Yona Nicolau, Presiding

12:45  EXPOSURE TO THIRDHAND SMOKE RESULTS IN OXIDATIVE DAMAGE, INCREASED APOPTOSIS, AND ALTERED DIFFERENTIATION IN FETAL LUNG FIBROBLASTS.
1:00 MATERNAL TOBACCO SMOKE EXPOSURE ALTERS MRNA LEVELS OF WNT SIGNALING GENES IN NEWBORN RAT LUNG.
A Cox, H Wang and L Joss-Moore, Salt Lake City, UT. University of Utah

Abstract 48

1:15 IN UTERO EXPOSURE TO MATERNAL TOBACCO SMOKE ALTERS ELASTIN ALTERNATIVE SPLICING AT EXON 31 IN THE RAT LUNG.
BA Locklear, H Wang and L Joss-Moore, Salt Lake City, UT. University of Utah

Abstract 49

1:30 CAFFEINE BLOCKS HYPEROXIA-MEDIATED EFFECTS ON PULMONARY ENDOTHELIAL CELL PROLIFERATION AND DIFFERENTIATION.
K Gurung, R Sakurai and V Rehan, Torrance, CA. Harbor-UCLA Medical Center (WSPR)

Abstract 50

1:45 CARDIAC STRUCTURAL REMODELING IN FORMER CHRONICALLY VENTILATED PRETERM LAMBS.
K Allen, O Abdullah, R Hicks, Z Wang, M Dahl, B Yoder and K Albertine, Salt Lake City, UT. University of Utah (WSMRF)

Abstract 51

2:00 ANTENATAL PPAR-GAMMA AGONIST PIOGLITAZONE STIMULATES FETAL LUNG MATURATION EQUALLY IN MALES AND FEMALES.
C Lee, R Sakurai, H Shen and V Rehan, Torrance, CA. Harbor-UCLA Medical Center (WSPR)

Abstract 52

2:15 EXTRAUTERINE GROWTH RESTRICTION DECREASES SERUM DHA IN MALE RATS AND LUNG PPARγ PROTEIN IN MALE AND FEMALE RATS.
C Bantilan, J Zhao, H Wang, CR Ballard and L Joss-Moore, Salt Lake City, UT. University of Utah (WSPR)

Abstract 53

2:30 ACUTE VEGF AND CONNEXIN43 UPREGULATION IN RAT LUNG AND BRAIN FOLLOWING CHORIOAMNIONITIS.
T Yellowhair, J Maxwell and L Jantzie, Albuquerque, NM. University of New Mexico

Abstract 55

2:45 HGMB1: POTENTIAL MEDIATOR OF PERINATAL SENSITIVITY TO INFLAMMATORY STRESS.
S McKenna, B Butler, L Jatana and CJ Wright, Aurora, CO. University of Colorado

Abstract 56

Break – 3:00-3:15 pm
12:45 IDENTIFICATION OF RISK FOR NEONATAL HEMOLYSIS: A MULTI-CENTER STUDY.
VK Bhutani, ME Castillo Cuadrado, DL Schutzman, JL Aby, DL Bogen, RD Christensen, JF Watchko, M Maisels, RJ Wong and DK Stevenson, Stanford, CA; Philadelphia, PA; Salt Lake City, UT; Pittsburgh, PA and Royal Oak, MI. Stanford University School of Medicine

1:00 PARENTAL ASSESSMENT OF EXECUTIVE FUNCTION IN FORMER PRETERM INFANTS.
CC Milner, RK Ohls, D Cannon, J Phillips, A Caprihan, S Wiedmeier, S Patel, M Steffen, R Yeo, R Campbell, S Baker, S Gonzales and J Lowe, Albuquerque, New Mexico and Salt Lake City, UT. University of New Mexico

1:15 CREATING REFERENCE INTERVALS FOR THE IMMATURE PLATELET FRACTION IN NEONATES AND USING THIS PARAMETER TO CATEGORIZE NEONATAL THROMBOCYTOPENIAS.
B MacQueen, RD Christensen, ER Henry and A Romrell, Salt Lake City, UT. University of Utah

1:30 DEFINING THE IRON STATUS AT BIRTH OF INFANTS AT RISK FOR IRON DEFICIENCY.
B MacQueen, RD Christensen, D Ward, S Bennett, E O'Brien, M Sheffield, V Baer, G Snow, K Weaver Lewis, R Fleming and J Kaplan, Salt Lake City, UT; Murray, UT; Ogden, UT and St. Louis, MO. University of Utah

1:45 REVERSAL OF INTRACEREBRAL TEMPERATURE GRADIENT IN NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY DURING AND AFTER WHOLE-BODY THERAPEUTIC HYPOTHERMIA.
TWu, A Reitman, J Wisnowski, E Ho, C McLean, S Bluml and P Friedlich, Los Angeles, CA and Los Angeles, CO. Children's Hospital Los Angeles (WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee)

2:00 RESOURCE UTILIZATION PATTERNS OF NEONATES WITH HYPOXIC-ISCHEMIC ENCEPHALOPATHY IN CHILDREN'S HOSPITALS AND NON-CHILDREN'S HOSPITALS IN THE UNITED STATES FROM 1997-2012.
C Liu, A Song, A Lakshmanan, E Ho and T Wu, Los Angeles, CA. Children's Hospital Los Angeles and LAC+USC Medical Center

2:15 NEONATAL SEPSIS DUE TO RESPIRATORY SHIGELLA INFECTION.
2:30 QUALITY INITIATIVE TO ACHIEVE OPTIMAL THERAPEUTIC HYPOTHERMIA DURING TRANSPORT FOR INFANTS WITH NEONATAL ENCEPHALOPATHY.
SL Bourque, S Meier, T Grover and C Delaney, Denver, CO. University of Colorado (WSPR)

Abstract 64

2:45 VULNERABILITIES AND OUTCOMES OF LATE PRETERM INFANTS MANAGED BY PROTOCOL.
EM Hubbard, LM Stellwagen, M Leff and J Johnson-Rolfes, San Diego, CA. UC San Diego School of Medicine

Abstract 65

Break – 3:00-3:15 pm

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

12:45 PLATELET-RICH PLASMA AND STROMAL VASCULAR FRACTION FROM AUTOLOGOUS FAT: A NEW COMBINATION THERAPY FOR OSTEOARTHRITIS.
PE Giddings, I Campwala and S Gupta, Berrien Springs, MI. Loma Linda University (WAFMR Scholar Awardee)

Abstract 66

1:00 LIVING AT HIGHER ALTITUDES INCREASES THE RISK OF SURGICAL COMPLICATIONS AFTER BREAST RECONSTRUCTION SURGERY.
D Gonzalez and S Gupta, Loma Linda, CA. Loma Linda University (WAFMR Scholar Awardee)

Abstract 67

1:15 A COMPARATIVE ANALYSIS OF SURGICAL WOUND INFECTION METHODS: INADEQUACIES OF CDC CLASSIFICATIONS IN BREAST RECONSTRUCTION.
K Unsell, I Campwala, I Galdyn and S Gupta, Loma Linda, CA. Loma Linda University Medical Center (WAFMR Scholar Awardee)

Abstract 68

1:30 LIGHTS, CAMERA, SIMULATION: USING SIMULATION AND MULTIMEDIA TO IMPROVE THE LEARNING EXPERIENCE OF MEDICAL CLERKS DURING SURGERY ROTATIONS.
N Au, A Min, S Butterworth, GK Blair, B Fashola and D Duffy, Vancouver, BC, Canada. University of British Columbia

Abstract 69
1:45 PERIOPERATIVE SAFETY OF UNINTERRUPTED THERAPEUTIC WARFARIN ANTICOAGULATION FOR PRIMARY TOTAL HIP AND KNEE ARTHROPLASTY.
J Kowitz and D Scott, Spokane, WA. University of Washington School of Medicine (WSMRF)

2:00 DO ADOLESCENTS WITH GYNECOMASTIA NEED TO BE EVALUATED BY ENDOCRINOLOGY PREOPERATIVELY?
AK Malhotra, S Amed, M Bucevska, K Bush and J Arneja, Vancouver, BC, Canada. BC Children's Hospital

2:15 INTERMEDIATE-TERM OUTCOMES OF PULMONARY VALVE REPLACEMENT IN THE MODERN ERA: COMPARISON OF TWO THERAPIES, SURGICAL PULMONARY VALVE REPLACEMENT VERSUS TRANSCATHETER PULMONARY VALVE REPLACEMENT.
A Bhattacharjee, L Bailey, B Gordon, M Kuhn, B Jabo, N Hasaniya, J Newcomb and A Razzouk, Loma Linda, CA. Loma Linda University

2:30 THE IMPACT OF THE AFFORDABLE CARE ACT AFTER SIX YEARS: DECREASING REVENUE IN PLASTIC SURGERY DESPITE INCREASED RATES OF INSURED PATIENTS.
I Campwala and S Gupta, Loma Linda, CA. Loma Linda University Medical Center (WSMRF)

2:45 DISTINCT RISK FACTORS FOR SUPERFICIAL VERSUS ORGAN-SPACE SURGICAL SITE INFECTIONS AFTER PANCREAS SURGERY.
CK Chan, I Elliott, T Russell, A Dann, J Williams, L Damato, H Chung, M Girgis, O Hines, H Reber and T Donahue, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WAP Student Subspecialty Award Winner)

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

Thursday, January 26, 2017
3:15 PM – 5:45 PM

Jointly sponsored by

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

Cardiovascular II ................................................................. Promenade Lobby
Community Health I .......................................................... Carpenter Hall
Global Health I ................................................................. Conductor’s Room
Hematology and Oncology I ................................................ Green Room
Neonatal Pulmonary II ....................................................... Rehearsal Room
Neonatology General II ..................................................... Babcock Room #6
Neuroscience I ................................................................. Chapman #4
Pulmonary and Critical Care I ............................................. Studio 105
Surgery I ................................................................. Bingham Room #3

Cardiovascular II
Promenade Lobby (Sunset Center)
Peter Ganz and Luisa Mestroni, Presiding

3:15 ETIOLOGY OF SUDDEN CARDIAC ARREST AND DEATH IN COMPETITIVE
ATHLETES IN THE UNITED STATES: A 2-YEAR PROSPECTIVE STUDY.
DF Peterson, D Siebert, K Kucera, L Cox Thomas, K Harmon and J Drezner, Seattle, WA
and Chapel Hill, NC. University of Washington (WAFMR/WAP Student Subspecialty
Award Winner)

3:30 ACCURACY OF ELECTRONIC HEALTH RECORDS TO IDENTIFY
CARDIOVASCULAR DISEASE IN WOMEN VETERANS: A QUALITY
IMPROVEMENT AUDIT OF COMPUTERIZED PATIENT RECORD SYSTEM,
VETERANS AFFAIRS LOMA LINDA HEALTHCARE SYSTEM.
V Gow-Lee, M Kim-Dopp, S Jamie, R Clark, S Singh and L Ferry, Loma Linda, CA.
Loma Linda University

3:45 BMI AS A PREDICTOR OF 90 DAY READMISSION IN HEART FAILURE
PATIENTS WITH REDUCED EJECTION FRACTION.
A Ammar, J Coleman, M Alajarmeh and S Ratnayake, Bakersfield, CA. UCLA Kern
Medical (WAFMR/WAP Outstanding Resident Award Winner)

4:00 IMPACT OF DEMOGRAPHICS AND SOCIOECONOMIC STATUS ON MODE
OF TRANSPORTATION AND TIME TO PRESENTATION IN PATIENTS WITH ST ELEVATION MYOCARDIAL INFARCTION.
A Stewart, J Evans, D Amponsah, T Khachatryan, D Hamilton, E Suh, K Jutzy, I Loma Linda University and A Hilliard, Redlands, CA. Loma Linda University Medical Center

4:15 State-of-the-Art Speaker
ARRHYTHMOGENIC CARDIOMYOPATHIES: STATE-OF-THE-ART.
Luisa Mestroni, University of Colorado Anschutz Medical Campus

4:45 ISCHEMIC TIME AND RISK FACTORS ASSOCIATED WITH THE INCIDENCE OF CARDIOGENIC SHOCK IN PATIENTS PRESENTING WITH ST ELEVATION MYOCARDIAL INFARCTION.
D Amponsah, J Evans, A Stewart, T Khachatryan, D Hamilton, E Suh, K Jutzy, I Loma Linda University and A Hilliard, Redlands, CA. Loma Linda University Medical Center

5:00 MODERATE-SEVERE TRICUSPID REGURGITATION AFTER HEART TRANSPLANTATION DOES NOT REQUIRE SURGICAL REPAIR.
K Yabuno, T Aintablian, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

5:15 JEHOVAH WITNESS PATIENTS: CHALLENGES IN HEART TRANSPLANTATION.
R Sharoff, T Aintablian, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

5:30 PREDICTORS OF STENT ECCENTRICITY AFTER IMPLANTATION OF A NOVOLIMUS ELUTING BIORESORBABLE STENT IN CORONARY BIFURCATIONS.
EN Holck, TØ Barkholt, J Dijkstra, EH Christiansen and NR Holm, Viby J, Denmark and Leiden, Netherlands. Aarhus University Hospital

Community Health I
Carpenter Hall
Toby Keys, Presiding

3:15 THE IMPACT OF INITIATING BUPRENORPHINE/NALOXONE TREATMENT FOR OPIOID ADDICTION IN THE EMERGENCY DEPARTMENT.
A Kamaliazad, D Neven and M Layton, Spokane, WA. University of Washington School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)

3:30 IMPACT OF MULTIDISCIPLINARY APPROACH IN THE OUTPATIENT HIV CLINIC IN IMPROVEMENT OF PATIENT CARE.
A Heidari, B Gharafizadeh and S Kaur, Bakersfield, CA. Kern Medical - UCLA
3:45 INACCURACY OF POINT-OF-CARE MEASUREMENTS OF GLYCATED HEMOGLOBIN IN WELLNESS PROGRAM PARTICIPANTS.
LW Raymond, Charlotte, NC. University of North Carolina at Chapel Hill

4:00 COMMUNITY CRISIS CENTER: THE LIVING ROOM.
LA White, Seattle, WA. University of Washington School of Medicine

4:15 THE RELATIONSHIP BETWEEN HEALTH KNOWLEDGE AND BMI IN YOUTH.
C Randolph, A James, JK Goorhuis, TC Mackintosh, NM Malika and M Baum, Loma Linda, CA. Loma Linda University

4:30 THE EFFECT OF COMMUNAL EATING ON BODY MASS INDICES.
A James, C Randolph, TC Mackintosh, JK Goorhuis, NM Malika and M Baum, Loma Linda, CA. School of Medicine, Loma Linda University

4:45 TAKE-HOME NALOXONE OPIOID OVERDOSE PREVENTION (THNOOP): PRESCRIBE TO SURVIVE.
MD Alley, Seattle, WA. University of Washington School of Medicine (WSMRF)

5:00 REACH OUT AND READ: PROMOTING EARLY LITERACY.
C Swantek, Boise, ID. University of Washington School of Medicine

5:15 SELF-ESTEEM: EFFECT OF CHILD'S PERCEPTION OF HOW THEIR PARENTS VIEW THEIR WEIGHT.
TC Mackintosh, A James, JK Goorhuis, NM Malika and M Baum, Loma Linda, CA. School of Medicine, Loma Linda University

Global Health I
Conductor's Room
Thomas Nighswander, Presiding

3:15 IMPROVING WATER, SANITATION, AND HYGIENE IN PERU'S SACRED VALLEY.
P Bloecher, Anchorage, AK. University of Washington School of Medicine

3:30 THE FINANCIAL BURDEN OF CLINICAL CARE ON FAMILIES IN EASTERN UGANDA.
REDUCING THE BURDEN OF PEDIATRIC DIARRHEAL ILLNESS THROUGH EDUCATION OF INFORMAL BABYCARE PROVIDERS IN KARAGITA, KENYA.
C Maloney, Seattle, WA. University of Washington School of Medicine

A FOUR YEAR FOLLOW UP TO THE ASSESSMENT OF ANEMIA PREVALENCE IN SCHOOL-AGED CHILDREN LIVING IN THE INDIAN HIMALAYAS.
M Shurey, RL MacLean-Angus, A Mezei, S Riedlinger, CN Tan, C MacCallum and V Kapoor, Kelowna, BC, Canada and Vancouver, BC, Canada. University of British Columbia

THE EFFECT OF SANITARY PADS AND MENSTRUAL SYMPTOM MANAGEMENT ON SCHOOL PERFORMANCE OF ADOLESCENT GIRLS IN RURAL KENYA: A CLUSTER RANDOMIZED TRIAL.
JC Fazio, M Irving, F Marquez, M Deissinger, A Tomedi and C Schmitt, Albuquerque, NM. University of New Mexico School of Medicine (WSMRF)

ASSESSMENT OF PERI-NATAL GUIDELINE VARIABILITY IN RURAL NEPAL.
S Ryan, K Wolpert and B Fassl, Salt Lake City, UT. University of Utah

INCREASING THE AWARENESS OF MALARIA LIFE CYCLE, SYMPTOMS, PREVENTION, TREATMENT, AND EXISTING GOVERNMENTAL ANTI-MALARIAL EFFORTS IN THE DISTRICT OF NEMA IN ZIGUINCHOR, SENEGAL.
J Northey, Bellevue, WA. University of Washington

ENRICHING DIABETES EDUCATION: DHULIKHEL, NEPAL.
A Shindruk, Spokane, WA. University of Washington School of Medicine

EVALUATION OF A WHO-INSPIRED, WORKSHOP-BASED APPROACH TO EDUCATING COMMUNITY HEALTH WORKERS ABOUT MENTAL HEALTH ISSUES AND CARE IN KISUMU, KENYA.

CRITICAL ASSESSMENT OF MATERNAL-NEWBORN CARE DELIVERY IN...

L Kim, J Blanco, AR Hengel, R Jinah, M Ajiko, M Langer and GK Blair, Vancouver, BC, Canada and Soroti, Uganda. University of British Columbia
SOLUKHUMBU, NEPAL.
SE Schoenhals, S Folsom, D Levy, A Sherpa and B Fassl, Salt Lake City, UT and Phaplu, Nepal. University of Utah School of Medicine

Hematology and Oncology I
Green Room (Sunset Center)
Thomas Deloughery, Presiding

3:15 WHERE DOES MERKEL CELL CARCINOMA METASTASIZE AND HOW DOES THE SITE AND TIMING OF INITIAL DISTANT METASTASIS IMPACT SURVIVAL?

3:30 USING RADIATION THERAPY TO PRIME THE IMMUNE SYSTEM IN HEAD AND NECK SQUAMOUS CELL CARCINOMA.
DJ Calame, A Oweida, S Lennon, S Bhatia, J Sharma, A Griego and S Karam, Denver, CO. University of Colorado School of Medicine

3:45 ANATOMIC PATTERNS OF RELAPSE AND PROGRESSION FOLLOWING TREATMENT WITH 131I-MIBG IN METASTATIC NEUROBLASTOMA.
R Fishel Ben Kenan, A Polishchuk and D Haas-Kogan, Phoenix, AZ and San Francisco, CA. University of California San Francisco

4:00 DIGEX: CONNECTING GENE EXPRESSION SIGNATURES FOR DRUG REPURPOSING AND REPOSITIONING.
DN Le and J Shin, Highlands Ranch, CO. University of Colorado School of Medicine (WSMRF)

1.5.17 CANCELLED

4:15 LYMPHOMA CANCER INTERNET PATIENT INFORMATION: A SYSTEMATIC EVALUATION OF THE QUALITY OF ONLINE RESOURCES FOR LYMPHOMA PATIENTS.
CR Zhang and P Ingledew, Vancouver, BC, Canada and Surrey, BC, Canada. University of British Columbia

4:30 MAGNETICALLY FOCUSED PROTON IRRADIATION OF SMALL VOLUME RADIOSURGERY TARGETS USING A TRIPLET OF QUADRUPOLE MAGNETS.
P McGee, G McAuley, J Slater, J Slater and A Wroe, Loma Linda, CA. Loma Linda University Medical Center (WSMRF)
4:45 NOVEL MICROENDOSCOPE PLACED INTO DONOR SPECIMEN IN ANATOMY LAB TO REVEAL DUCTAL ANATOMY.
_Benninge_, I Blandford and A Mukherjee, Lebanon, OR. _Western University of Health Sciences_
Abstract 108

5:00 CHARACTERIZING THE OBESITY AND BREAST CANCER RELATIONSHIP IN MEN.
_JC Parrish_, A Dierickx, S Williams, D Giri, A Dannenberg and N Iyengar, Fairbanks, AK and New York, NY. _University of Washington_
Abstract 109

5:15 RETICULONS INFLUENCE ENDOPLASMIC RETICULUM MORPHOLOGY AND NUCLEAR SIZE IN XENOPUS AND HELA CELLS.
_A Johnson_ and R Mukherjee, Seattle, WA and Laramie, WY. _University of Wyoming_
Abstract 110

Neonatal Pulmonary II
Rehearsal Room (Sunset Center)
_Sandra Leibel_ and _Lance Prince_, Presiding

3:15 IMPACT OF THE SOD3 R213G POLYMORPHISM ON ALVEOLAR AND PULMONARY VASCULAR DEVELOPMENT.
_LG Sherlock_, J Maltzahn, A Trumpie, C Delaney, C Wright and E Nozik-Grayck, Denver, CO. _University of Colorado (WSPR)_
Abstract 111

3:30 NOTCH SIGNALING IN LUNG INNATE IMMUNITY CELLS OF EXTREMELY PREMATURE INFANTS: IMPLICATIONS FOR BPD PATHOGENESIS.
_NS Bhopal_, B Chan, C Ramos, R Ramanathan and P Minoo, Los Angeles, CA; Salt Lake City, UT and San Diego, CA. _LAC+USC Medical Center & Children's Hospital Los Angeles, University of Southern California (WSMRF)_
Abstract 112

3:45 INHIBITION OF LPS-INDUCED Iκββ/NFκB SIGNALING ATTENUATES IL-1β EXPRESSION WITHOUT INCREASING CELL DEATH IN THE DEVELOPING LUNG.
_B Butler_, S McKenna and C Wright, Denver, CO. _University of Colorado_
Abstract 113

4:00 COMPARISON OF OXYGENATION INDEX (OI) AND THE SPO2/FIO2 RATIO (SF) IN NEONATES WITH CONGENITAL DIAPHRAGMATIC HERNIA.
_KL Braski_ and B Yoder, Salt Lake City, UT. _University of Utah_
Abstract 114

4:15 DURATION OF MECHANICAL VENTILATION AFFECTS RESPIRATORY MECHANICS IN FORMER PRETERM LAMBS.
_M Dahl_, C Veneroni, A Lavizzari, D Galli, M Bellarosa, K Zuspan, S Bowen, D Null, B
4:30 UNPLANNED EXTUBATION IN NEWBORN INFANTS: RESULTS OF AN ONGOING QUALITY IMPROVEMENT PROJECT.
AM Hauck, L Langga and N Iyer, Los Angeles, CA. Keck School of Medicine of USC (WSMRF)

4:45 EARLY EXTUBATION TO NONINVASIVE VENTILATION IN NEONATES RECEIVING HIGH FREQUENCY VENTILATION: A SINGLE CENTER EXPERIENCE.
P Bhatt, M Biniwale, R Ramanathan and L Barton, Los Angeles, CA. Keck School of Medicine of USC

5:00 RETROSPECTIVE ANALYSIS OF HIGH FREQUENCY NASAL VENTILATION USE IN NEONATES.
S Bowen, B Yoder, D Null and K Albertine, Salt Lake City, UT and Davis, CA. University of Utah (WSMRF)

5:15 COMPARISON OF NITRIC OXIDE METABOLISM IN ADULT AND FETAL TISSUES.
F Paterno, M Zhang, T Liu, G Power and A Blood, Loma Linda, CA. Loma Linda University

Neonatology General II
Babcock #6 (Sunset Center)
Tara DuPont and Camille Fung, Presiding

3:15 CYCLED PHOTOTHERAPY IS A SAFE AND EFFECTIVE TREATMENT FOR SMALL PREMATURE INFANTS WITH HYPERBILIRUBINEMIA.
CC Arnold, JE Tyson, ME Castillo Cuadrado, AG Dempsey, AM Khan, C Pedroza, VK Bhutani, RJ Wong and DK Stevenson, Houston, TX and Stanford, CA. UTHealth McGovern Medical School

3:30 PHYTOSTEROLS, CYTOKINES, BILE ACIDS, AND FATTY ACIDS: PREDICTORS OF PARENTERAL NUTRITION ASSOCIATED LIVER DISEASE.
NE Walker, T Grogan, A DeBarber and KL Calkins, Los Angeles, CA and Portland, OR. UCLA (WSMRF)

3:45 A NEW MODEL FOR COMPOUNDED NEONATAL PARENTERAL NUTRITION OSMOLALITY.
S Borenstein, E Mack, K Palmer, T Cat, M Sandhu and C Simmons, Van Nuys, CA
4:00 HYPOTENSION FOLLOWING GASTROSCCHISIS REPAIR.
LA Beede, J Shepherd, T Chavez, C Gayer and S Noori, South Pasadena, CA. Children's Hospital Los Angeles

4:15 REGIONAL VARIATIONS IN THE CARE OF NEONATES WITH GASTROSCCHISIS IN THE UNITED STATES 1997-2012.
R Chen, A Song, C Gayer, J Shepherd, P Friedlich and A Lakshmanan, San Gabriel, CA; Los Angeles, CA and Los Angeles, CA. Children's Hospital Los Angeles

4:30 RISK FACTORS ASSOCIATED WITH SPONTANEOUS INTESTINAL PERFORATION VS NECROTIZING ENTEROCOLITIS IN PRETERM NEONATES.
K Barseghyan, C Gayer and T Azhibekov, Los Angeles, CA. Children's Hospital Los Angeles, USC

4:45 PERIPHERALLY INSERTED CENTRAL CATHETER USE AND ASSOCIATED COMPLICATIONS IN MEDICALLY COMPLEX NEONATES: A SINGLE CENTER STUDY.
L Beard and T Grover, Denver, CO. University of Colorado, Denver

5:00 PREVALENCE AND PREDICTORS OF BACK-TRANSPORT AFTER ACUTE CARE IN A REGIONAL NICU.
SL Bourque, T Grover and S Hwang, Denver, CO. University of Colorado (WSPR)

5:15 REDUCING RETINOPATHY OF PREMATURITY IN AN AT RISK POPULATION.
C Torr, B Yoder and J Beachy, Salt Lake City, UT. University of Utah

5:30 EFFECT OF VENTILATOR ROUNDS ON RESPIRATORY OUTCOMES IN VLBW INFANTS IN A LEVEL IV NICU.
T Nguyen, A Blood, AO Hopper and Y Nicolau, Loma Linda, CA. Loma Linda University
Neuroscience I
Chapman #4 (Sunset Center)
Marie-Francois Chesselet, Presiding

CANCELLED
3:15 DIFFUSION TENSOR IMAGING FINDINGS IN PEDIATRIC PATIENTS WITH MILD TRAUMATIC BRAIN INJURY.
T Dowers, C Luceno, S Barnes and B Bartnik-Olsen, Loma Linda, CA. Loma Linda University

3:30 REDUCED CEREBRAL BLOOD FLOW AND BOOD VOLUME IN PATIENTS WITH PERSISTENT POST CONCUSSIVE SYMPTOMS.
C Luceno, T Dowers, S Barnes and B Bartnik-Olsen, Loma Linda, CA. Loma Linda University

3:45 EXPLORING PHENOTYPIC HETEROGENEITY WITHIN ALS.
T Rafferty and B Tresenriter, Loma Linda, CA. Loma Linda University

4:00 DETERMINATION OF COPPER TRANSPORT PROTEIN P62 AS A SIGNIFICANT CONTRIBUTOR TO ALZHEIMER'S DISEASE PATHOLOGY.
EO Torres, N Sanchez, K Howard and W Kirsch, Loma Linda, CA. Loma Linda University School of Medicine

4:15 BELL'S PALSY: PRESENTING WITH HEMIPARESIS.
A Parekh, G Petersen and K Sabetian, Bakersfield, CA. UCLA Kern Medical

4:30 HEARING LOSS AS PRESENTATION FOR ENDOLYMHPHATIC SAC TUMOR IN PREVIOUSLY UNKNOWN VON HIPPEL-LINDAU SYNDROME.
MD Ehrhart and B Hart, Albuquerque, NM. University of New Mexico Health Sciences Center

4:45 FUNCTIONAL ELECTRORETINOGRAPHY CHARACTERIZATION OF VISION LOSS IN MOUSE MODELS OF ACHROMATOPSIA.
C Song, W Chiang, P Chan and J Lin, Northridge, CA and La Jolla, CA. University of California San Diego (WSMRF)

5:00 MOTOR AND COGNITIVE OUTCOMES IN PRETERM NEWBORNS WITH MILD WHITE MATTER INJURY.
AM Bach, DM Ferriero, A Barkovich, EE Rogers, B Johnson and D Gano, San Francisco, CA. University of California, San Francisco (WSMRF)
PATIENT-CENTERED STRUCTURED INTERDISCIPLINARY BEDSIDE ROUNDS (SIBR) IN THE MEDICAL ICU.
F.Horn, V.Cao, L.Tan, L.Scott, P.Giri, D.Hidalgo, K.Maken and H.Nguyen, Loma Linda, CA. Loma Linda University School of Medicine (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)

Abstract 138

INNOVATIVE WEARABLE MINIATURIZED WIRELESS WRIST-WORN ULTRASOUND SYSTEM DEVELOPED FOR EXTENDED FAST EXAM WITH INTEGRATED DUAL-FREQUENCY FINGER PROBE.
B.Benninger, S.Corbett and I.Blandford, Lebanon, OR and Portland, OR. Western University of Health Sciences

Abstract 139

CANCELLED

DEVELOPING A TRAINING TOOL FOR NOVICE ULTRASOUND USERS IDENTIFYING SKULL AND FACIAL FRACTURES WITH UNEMBALMED CADAVERIC TISSUE USING MULTIPLE PROBES.
B.Benninger, D.Sanders, E.Richardson and W.Tang, Lebanon, OR. Western University of Health Sciences

Abstract 141

PREVALENCE OF INFERIOR VENA CAVA FILTER IN PATIENTS REFERRED FOR PULMONARY THROMBOENDARTERECTOMY: SINGLE CENTER REPORT.
T.Werbel, S.Kim and NH.Kim, La Jolla, CA and Seoul, Korea (the Republic of). University of California, San Diego (WSMRF)

Abstract 142

INTEGRATING ULTRASOUND WITH 3D-CT FOR TEACHING MEDICAL STUDENTS ASSESSING TIBIA-FIBULA FRACTURES DURING ANATOMY DISSECTION LAB.
W.Chen and B.Benninger, Lebanon, OR. Western University of Health Sciences

CANCELLED

CIRCULATING LYMPHOCYTE SUB-POPULATIONS DEFINE MOLECULAR SUBTYPES OF COPD.
E.Halper-Stromberg, P.Castaldi and R.Bowler, Denver, CO and Boston, MA. University of Colorado School of Medicine (WSMRF)

Abstract 144

Moved to 4:45 pm

INTEGRATING 3D/4D ULTRASOUND SKILLS TO FACILITATE STEREOSTRUCTURAL ANATOMY OF THE ABDOMINAL AND PELVIC REGIONS DURING MEDICAL ANATOMY DISSECTION COURSE.
**W Chen and B Benninger, Lebanon, OR. Western University of Health Sciences**

**Abstract 145**

5:15 CANCELLED

Moved to 5:00 pm

5:30 **ONE LUNG TO LIVE.**

*J Patel*, Bakersfield, CA. *UCLA Kern Medical*

**Abstract 147**

---

**Surgery II**

Bingham Room #3 (Sunset Center)

*Steve Arnsworth and Subhas Gupta, Presiding*

3:15 **PREDICTIVE VALUES OF THE ASEPSIS AND SOUTHAMPTON SCORING SYSTEMS IN EVALUATING BREAST RECONSTRUCTION SURGICAL SITE INFECTION.**

*I Campwala, K Unsell, I Galdyn and S Gupta, Loma Linda, CA. Loma Linda University Medical Center (WSMRF)*

**Abstract 148**

3:30 **CAN WE DO IT: CORRESPONDING PATIENT SATISFACTION WITH RESIDENT TRAINING AND LEGISLATION.**

*K Unsell and S Gupta, Loma Linda, CA. Loma Linda University Medical Center*

**Abstract 149**

3:45 **PEDIATRIC MORTALITY ASSOCIATED WITH DELAYS IN ACCESS TO EMERGENT SURGERY: A RISK STRATIFIED ANALYSIS.**

*I Zivkovic, C Kim and S Butterworth, Vancouver, BC, Canada. University of British Columbia*

**Abstract 150**

4:00 **State-of-the-Art Speaker**

**STATE-OF-THE-ART UPDATE - RECONSTRUCTIVE SURGERY**

Subhas Gupta, *Loma Linda University*

4:45 **ANTI-FACTOR XA MEASUREMENTS IN CRITICALLY-ILL SURGICAL PATIENTS TO EXAMINE ENOXAPARIN METABOLISM AND OPTIMIZE ENOXAPARIN DOSE.**

*V Wall, K Fleming and C Pannucci, South Jordan, UT. University of Utah*

**Abstract 151**

5:00 **OPHTHALMIC SEQUELAE OF MAXILLECTOMY WITH AND WITHOUT RADIATION THERAPY IN MIDFACE MALIGNANCIES.**

*BA Walker, A Sweeney, A Bhrany and A Jian-Amadi, Seattle, WA. University of Washington*

**Abstract 152**

5:15 **MACRA LEGISLATION AND MIPS SCORES: EFFECTS ON COST**
EFFECTIVE ANALYSIS FOR NEGATIVE PRESSURE WOUND THERAPY DEVICES.
JW Kubiak and S Gupta, Loma Linda, CA. Loma Linda

5:30 A COMPARISON BETWEEN PATIENT EXPERIENCE AND PHYSICIANS’ BELIEFS: CROWDSOURCED INFORMATION ON WOUND CARE.
K Unsell and S Gupta, Loma Linda, CA. Loma Linda University Medical Center

WELCOM RECEPTION AND POSTER SESSION

Jointly sponsored by

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

Carmel Mission Inn – Carmelo Ballroom

Thursday, January 26, 2017
6:00 PM – 7:30 PM

(Presenters in attendance at their posters from 6:15 – 7:15 pm)
Shuttle service from Sunset Center to Carmel Mission Inn provided

Adolescent Medicine and General Pediatrics
Behavior and Development
Cardiovascular
Community Health
Gastroenterology
Health Care Research
Hematology and Oncology
Infectious Diseases
Pulmonary & Critical Care Adult
Surgery

<table>
<thead>
<tr>
<th>Poster Number</th>
<th>Abstract/Program Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Adolescent Medicine and General Pediatrics</td>
</tr>
<tr>
<td>1</td>
<td>PROLONGED MUSCLE WEAKNESS FOLLOWING Rhabdomyolysis IN A PEDIATRIC SEPTIC SHOCK PATIENT.</td>
</tr>
<tr>
<td></td>
<td>K Burke and H Agarwal, Albuquerque, NM. University of New Mexico</td>
</tr>
</tbody>
</table>
2 EFFECT OF INHALED CORTICOSTEROIDS ON HEIGHT IN PEDIATRIC PATIENTS WITH ASTHMA.
JL Hoil, M Huang, M Menefee, E Kim, B Wirtz, V Nguyen, D Limaye and B Afghani, Wilmington, CA; Irvine, CA and Orange, CA. California State University Long Beach

Behavior and Development

3 A CASE OF RAPIDLY PROGRESSIVE FRONTOTEMPORAL DEMENTIA TRIGGERED BY LIFE STRESSORS.
AA Ammar, K Carling, M Alajarmeh and S Ratnayake, Bakersfield, CA. UCLA Kern Medical

4 SCREENING EMERGENCY DEPARTMENT PATIENTS FOR ABERANT DRUG-RELATED BEHAVIORS.
KK Kim, J Hoppe and S Weiner, Englewood, CO and Boston, MA. University of Colorado School of Medicine

Cardiovascular

5 GLYCEMIC CONTROL IN INSULIN AND NON-INSULIN DEPENDENT DIABETIC PATIENTS WITH ST ELEVATION MYOCARDIAL INFARCTION PREDICTS TIME TO PRESENTATION.
JE Evans, A Stewart, D Ampoonsah, D Hamilton, T Khachatryan, E Suh, K Jutzy, I Loma Linda University and A Hilliard, Redlands, CA. Loma Linda University Medical Center

Community Health

6 ADDRESSING HIGH BLOOD PRESSURE IN YAKIMA, WASHINGTON WITH DASH EDUCATION IN A COMMUNITY-BASED SETTING.
LM Bernfeld, Seattle, WA. University of Washington School of Medicine

7 INCREASING YOUTH AWARENESS OF LOCAL MENTAL HEALTH SERVICES IN KETCHIKAN, AK WITH A RESOURCE GUIDE DELIVERED THROUGH PEER EDUCATION.
MC Cox, Anchorage, AK. University of Washington School of Medicine

8 IDENTIFICATION OF UNREPORTED SOURCES OF OBJECTS CONTAINING HIGH RELEASE NICKEL.
DJ Eng, A Rasmussen, JK Parker, CW Rundle, D Bergman and S Jacob, Loma Linda, CA. Loma Linda University

9 CORRELATION OF CHILDREN'S BODY IMAGE WITH ATTITUDES TOWARDS NUTRITION AND EXERCISE.
JK Goorhuis, TC Mackintosh, C Randolf, A James, NM Malika and M Baum, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 163

10 SEATTLE INDIAN HEALTH BOARD REFERRAL FOR MIGRANT AMERICAN INDIAN/ALASKA NATIVE PATIENTS TO THE MIGRANT CLINICIANS NETWORK.
JA Keesee, Seattle, WA. University of Washington School of Medicine

Abstract 164

11 OKANOGAN COUNTY MIGRANT AND SEASONAL FARM WORKER ALCOHOL EDUCATION AND SCREENING INITIATIVE.
NB Meadows, Seattle, WA. University of Washington

Abstract 165

12 AN INNOVATIVE HEALTH AND SCIENCE ENRICHMENT PROGRAM FOR MIDDLE SCHOOL STUDENTS.
K Nikroo, J Tran, AJ Garcia, D Leung, M Reddy and K Lee, Irvine, CA. UC Irvine School of Medicine

Abstract 166

13 ASSESING PATIENTS' UNDERSTANDING OF A HEALTH EDUCATION PROGRAM IN GHANA.
S Rajapakse, Vancouver, BC, Canada. University of British Columbia

Abstract 167

14 FOOD NICKEL CONTENT AWARENESS SURVEY.
A Rasmussen, CW Rundle, JK Parker, DJ Eng, D Bergman and S Jacob, Loma Linda, CA. Loma Linda University

Abstract 168

15 FROM FARMERS TO CHILDREN: INCREASING FRUIT AND VEGETABLE CONSUMPTION AMONGST THE WIC POPULATION IN WHITE SALMON, WASHINGTON.
M Shin, Camas, WA. University of Washington School of Medicine (WSMRF)

Abstract 169

16 STRENGTHENING MEDICAL HOMES FOR CHILDREN WITH DOWN SYNDROME: PARENT AND HEALTH CARE PROVIDER FOCUS GROUPS.
R Manalo, D Der and B Singh, Madera, CA. University of California San Francisco, Fresno

Abstract 170

Gastroenterology

17 GIANT RECTAL TUBULOVILLOUS ADENOMA IN A PREGNANT FEMALE.
A Ammar, H Chahine, N Gruner and G Petersen, Bakersfield, CA. UCLA Kern Medical

Abstract 171
18 CAN PROXIMAL FIBULAR FRACTURES BE IDENTIFIED WITH ULTRASOUND BY NOVICE USERS IN THE ANATOMY LAB.
A Abu-Alya, W Chen, D Wang, S Herrin and B Benninger, Lebanon, OR. *Western University of Health Sciences*

Abstract 172

19 ULTRASOUND AS A TEACHING TOOL FOR DISTAL RADIAL FRACTURES FOR MEDICAL STUDENTS DURING ANATOMY DISSECTION LAB.
A Dias and B Benninger, Lebanon, OR. *Western University of Health Sciences*

Abstract 173

20 HEALTHCARE WORKER HAND HYGIENE IN A RURAL UGANDAN HOSPITAL - WHAT ARE SOME WAYS TO CLEAN-UP COMPLIANCE?
AR Hengel, L Kim, J Blanco, R Jinah, D Duffy, M Ajiko and D Courtemanche, Prince George, BC, Canada; Vancouver, BC, Canada and Soroti, Uganda. *University of British Columbia*

Abstract 174

21 7D INTERACTIVE ULTRASOUND SOFTWARE PROGRAM CAN TUTOR NOVICE USERS THREE CLINICALLY IMPORTANT UPPER LIMB STRUCTURES DURING ANATOMY DISSECTION COURSE.
G Hocum, B Connett and B Benninger, Lebanon, OR. *Western University of Health Sciences*

Abstract 175

22 INTEGRATING CLAY MODELS, X-RAYS, DISSECTION, CT, SECTRA AND ULTRASOUND TO UNDERSTAND COLLES FRACTURE MORPHOLOGY ENHANCING POINT OF CARE USE BY MEDICAL STUDENTS DURING ANATOMY DISSECTION LAB.
J Johnson and B Benninger, Lebanon, OR. *Western University of Health Sciences*

Abstract 176

23 WHAT ATTRIBUTES DEFINE EXCELLENCE IN A TRAUMA TEAM - A QUALITATIVE STUDY.
F Kassam, A Cheong and A Singhal, Vancouver, BC, Canada. *University of British Columbia*

Abstract 177

24 CAN MEDICAL STUDENTS VISUALIZE THE VOLAR PLATE OF THE FIRST METATARSOPHALANGEAL JOINT IN CADAVERS AND HEALTHY VOLUNTEERS USING HIGH-FREQUENCY ULTRASOUND PROBES.
C Laverdiere, R Mousselli and B Benninger, Lebanon, OR. *Western University of Health Sciences*

Abstract 178

25 SECONDARY ANALYSIS OF 15 CLINICAL PERFORMANCE MEASURES OF THE FEDERALLY QUALIFIED HEALTH CENTER OF A LOCAL HEALTH DEPARTMENT IN SOUTHERN CALIFORNIA.
E Pai, R Thornhill, E Shin, C Pearce and M Debay, Redlands, CA. *Loma Linda University*
26 Efficacy of Various Modalities of Data Collection for Contact Dermatitis Survey.
CW Rundle, D Bergman, N Brankov, DJ Eng, A Rasmussen, JK Parker and S Jacob, Redlands, CA and Loma Linda, CA. Loma Linda University

27 Perceptions and Attitudes Towards Children with Hearing AIDS.
CN Tan, J Pauwels, F Kozak and NK Chadha, Surrey, BC, Canada and Vancouver, BC, Canada. University of British Columbia

28 Can Varied High Frequency Ultrasound Probes (5-12, 18, 22 MHz) Used by Medical Students Identifying the Median Nerve in the Wrist and Hand Region from Cadavers and Healthy Individuals.
J Tran and B Benninger, Lebanon, OR. Western University of Health Sciences

29 Female Injuries in Collegiate Rodeo Athletes.
B VanAudsol and E Guenther, Lebanon, OR. Western University of Health Sciences College of Osteopathic Medicine of the Pacific Northwest

30 Integration of 3D/4D Ultrasound Technology into an Anatomy Dissection Laboratory with 3D Visualization of the Thyroid Gland.
C Weston, B Benninger, J Carter, G Hocum and A Patel, Lebanon, OR. Western University of Health Sciences

31 Hematology and Oncology
Herpes Simplex Virus Triggering Hemophagocytic Lymphohistiocytosis.
G Averitt, T Averitt, K Howard, MM Al-Rahawan and F Levent, Lubbock, TX. TTUHSC

32 Severe Aplastic Anemia as a Complication of Autoimmune Hypothyroidism.
RS Chaha, S Gupta, A Heidari and E Cobos, Bakersfield, CA. Kern Medical

33 Catastrophic B12 Deficiency and Pernicious Anemia with Undetectable B12 Levels in a Schizophrenic Male, a Case Report.
H Chahine, A Ammar, E Cobos and A Heidari, Bakersfield, CA. Kern Medical
CLASSIC KAPOSI'S SARCOMA IN A THAI FEMALE TREATED WITH RADIATION THERAPY.
MM Franklin and A Kusano, Yakima, WA and Anchorage, AK. Pacific Northwest University of Health Sciences

RARE CASE OF EXTRAMURAL ADENOCARCINOMA OF ANUS.
SJ Gupta, Reno, NV. University of Nevada School of Medicine

RARE PRESENTATION OF METASTATIC PROSTATE CANCER LEADING TO FACIAL NERVE PALSY AND PARANASAL SINUS MASSES.
S Gupta, A Heidari, E Williams, T Barrett and E Cobos, Bakersfield, CA. Kern Medical

FULMINANT HEPATIC FAILURE FROM AN EXCEEDingly RARE CASE OF T-CELL PROLYMPHOCYTIC LEUKEMIA.
B Labadie and S Sarkissian, Long Beach, CA and Orange, CA. UC Irvine School of Medicine

SEVERE PRESENTATIONS OF EPSTEIN-BARR VIRUS ASSOCIATED HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS (HLH) IN TODDLERS.
R Newman, R Seth and S Abraham, Albuquerque, NM. University of New Mexico

CONGENITAL FACTOR XIII DEFICIENCY.
A Parekh, H Chahine, G Petersen, A Heidari and E Cobos, Bakersfield, CA. Kern Medical

LOCUS MINORIS RESISTENTIAE AS CONTRIBUTING FACTOR FOR BILATERAL OLECRANON COCCIDIOIDOMYCOSIS OSTEOMYELITIS.
A Heidari and R Shah, Bakersfield, CA. Kern Medical - UCLA

DEVELOPING A TAILORED BROCHURE FOR HEPATITIS B PREVENTION AMONG TRANSGENDER WOMEN IN LIMA.
M Mayer, Seattle, WA. University of Washington

BACTEREMIA CAUSED BY ENTEROCOCCUS AVIUM IN HIV AND PULMONARY COCCIDIOIDOMYCOSIS: CASE REPORT AND REVIEW OF LITERATURE.
A Parekh, G Petersen, A Heidari and E Williams, Bakersfield, CA. Kern Medical

BACTEREMIA WITH PSEUDOMONAS LUTEOLA: CASE REPORT.
A Parekh, S Ragland and A Heidari, Bakersfield, CA. Kern Medical

**Pulmonary & Critical Care Adult**

**44** DIFFUSE ALVEOLAR HEMORRHAGE AND RITUXIMAB.
A Parekh, R Garcia-Pacheco and J Lara, Bakersfield, CA. Kern Medical

**45** IDENTIFYING NASAL BONE FRACTURES WITH ULTRASOUND DURING MEDICAL ANATOMY LAB COURSE COMPARING FINGER VERSUS CLASSIC LINEAR PROBES.
P Overton-Harris, S Patel and B Benninger, Lebanon, OR. Western University of Health Sciences

**46** COMPARING ULTRASOUND: FINGER VERSUS CLASSIC LINEAR PROBES TO IDENTIFY ZYGOMATIC FRACTURES IN MEDICAL ANATOMY LAB.
S Patel, F Tavangary, W Tang and B Benninger, Lebanon, OR. Western University of Health Sciences

**47** ULTRASOUND INTEGRATED INTO ANATOMY DISSECTION LAB IDENTIFYING TEMPORAL BONE REGION FRACTURES COMPARING SONICEYE FINGER VERSUS CLASSIC LINEAR PROBES.
F Tavangary, S Patel, P OVERTON-HARRIS and B Benninger, Lebanon, OR. Western University of Health Sciences

**Surgery**

**48** FAMILY HISTORY OF AORTIC AND ARTERIAL ANEURYSMS AND DISSECTIONS IS ASSOCIATED WITH TYPE B AORTIC DISSECTION.
RL Campbell, M Bartek, M Pepin, A Cecchi, P Byers, D Milewicz and S Shalhub, Seattle, WA and Houston, TX. University of Washington

**49** CANCELLED

**50** CAN MEDICAL STUDENTS IDENTIFY THE ULNAR COLLATERAL LIGAMENT OF THE FIRST MCP WITH HIGH FREQUENCY ULTRASOUND PROBES ON CADAVERS AND HEALTHY SUBJECTS.
S Goddard, D Wang and B Benninger, Lebanon, OR. Western University of Health Sciences

**51** CAN NOVICE ULTRASOUND USERS IDENTIFY THE ULNAR COLLATERAL LIGAMENT OF THE ELBOW DURING AN ANATOMY COURSE FROM CADAVERS AND HEALTHY SUBJECTS USING MULTIPLE FREQUENCY PROBES.
B Benninger, S Goddard and D Wang, Lebanon, OR. Western University of Health Sciences
Abstract 205

52 POST-OPERATIVE INTRAVENOUS FLUID ORDERING PRACTICES FOR PEDIATRIC PATIENTS BY PLASTIC SURGERY TRAINEES IN NORTH AMERICA.
V Hu and E Henkelman, Vancouver, BC, Canada. University of British Columbia (WSMRF)

Abstract 206

53 CONTINUOUS CAUDAL EPIDURAL ANALGESIA AFTER PEDIATRIC COARCTATION REPAIR.
S Huang, N West, G Lauder and C Montgomery, Vancouver, BC, Canada. University of British Columbia

Abstract 207

54 OPTIMAL TIME FOR PERFORMING SURGERY ON PATIENTS WITH INFANTILE ESOTROPIA: A COMPREHENSIVE LITERATURE REVIEW.
M McDonnell, A Pham, D Sam, I Shah, M Vyakaranam, M Mendoza and B Afghani, Winston-Salem, NC; Irvine, CA and Orange, CA. Wake Forest University (WSMRF)

Abstract 208

55 DOES WRIST MOVEMENT ALTER RADIAL ARTERY POSITIONING DURING CORONARY ANGIOGRAPHY CANNULATION AND BLOOD GAS DRAW: SONICEYE VERSUS CLASSIC ULTRASOUND PROBES.
R Mousselli, C Laverdiere and B Benninger, Lebanon, OR. Western University of Health Sciences

Abstract 209

56 WHEN VENIPUNCTURE BECOMES THE AURORA BOREALIS.
T Pasvantis and B Benninger, Lebanon, OR. Western University of Health Sciences

Abstract 210

57 DESIGNING A PALPABLE SURFACE ANATOMY FOOTPLATE FOR BLIND AND ULTRASOUND GUIDED POSTERIOR TIBIAL NERVE BLOCKS.
N Pettit and B Benninger, Lebanon, OR. Western University of Health Sciences

Abstract 211

58 UNDERSTANDING ATTITUDES TOWARDS AND TECHNIQUES OF PREOPERATIVE RISK ASSESSMENT.
H Qiu and R Meguid, Aurora, CO. University of Colorado School of Medicine (WSMRF)

Abstract 212

59 USING VARIABLE LINEAR PROBES TO CREATE AN ULTRASOUND TEMPLATE TO IDENTIFY THE ANTEROLATERAL LIGAMENT.
D Rogers, T Delamarter, C Laverdiere and B Benninger, Lebanon, OR. Western University of Health Sciences

Abstract 213

60 PERCUTANEOUS EXTERNALLY ASSEMBLED LAPAROSCOPIC INSTRUMENTS FOR FOWLER-STEPHENS ORCHIOPEXY: A NEW CLINICAL PARADIGM.
61 DOES MARIJUANA INTAKE AFFECT OUTCOMES IN LIVING RENAL DONORS AND THEIR RECIPIENTS?
D Ruckle, M Keheila, B West, BJ Mattison, A Thomas, S Abourbih, M De Vera and D Baldwin, Loma Linda, CA. Loma Linda University Health

62 PRE-HOSPITAL EPINEPHRINE MAY NOT IMPROVE SURVIVAL AFTER BLUNT TRAUMATIC ARREST.
A Shin, C Fahrenbruch, L Yin, S Husain, M Olsufka, M Sayre, T Rea and B Robinson, Seattle, WA. University of Washington (WSMRF)

63 INTEGRATING VIRTUAL-REALITY BASED ULTRASOUND TUTORIALS FOR DEVELOPING POINT-OF-CARE SKILL SETS AND SPATIAL ANATOMY DURING A MEDICAL ANATOMY COURSE WITH OPUS MINI HAPTIC ULTRASOUND SIMULATOR.
C Smythe and B Benninger, Lebanon, OR. Western University of Health Sciences

64 ASSESSING DIETARY ADVANCEMENT FOR DYSPHAGIA PATIENTS AT RISK FOR ASPIRATION.
C Thiel, T Murry, B Crawley and P Krishna, Loma Linda, CA. Loma Linda University Voice and Swallowing Center

65 CONVENTIONAL VERSUS COMPUTER ASSISTED STEREOSCOPIC ULTRASOUND NEEDLE GUIDANCE FOR RENAL ACCESS.
A Thomas, J Thomas, BJ Mattison, B West, D Ruckle, M Keheila, S Abourbih, R Krause, V Dinh, D Baldwin and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine

66 THE IMPACT OF A WI-FI BASED HANDS FREE AUDIO SYSTEM ON COMMUNICATION DURING A ROBOTIC SURGERY: A COMPARATIVE, PROSPECTIVE STUDY.
A Thomas, M Keheila, D Ruckle, M Pierce, BJ Mattison, B West, J Thomas, P Hogue, S Abourbih and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine

67 INCREASING FUNGAL COLONIZATION WITH INCREASED DURATION OF URETERAL STENTS.
J Thomas, M Keheila, C Chan, S Cherian, B West, BJ Mattison, D Ruckle, P Yang, S Abourbih, J Shen and D Baldwin, Loma Linda, CA. Loma Linda University Medical Center

68 THE OPTIMAL GUIDEWIRE TYPE AND EFFECT OF PRIOR USE ON THE
EASE OF URETERAL STENT INSERTION.
J Thomas, N Khater, D Ruckle, BJ Mattison, B West, H Hodgson, K Myklak, M Alsyouf, J Arenas and D Baldwin, Loma Linda, CA. Loma Linda University Medical Center

Abstract 222

69 EFFICACY OF ANTEGRADE AND RETROGRADE WARM SALINE PYELOPERFUSION DURING RENAL CRYOABLATION FOR URETERAL PRESERVATION.
B West, M Keheila, J Smith, A Erskine, S Abourbih, P Yang, BJ Mattison, A Thomas, D Ruckle, J Thomas and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 223

70 PERCUTANEOUS EXTERNALLY ASSEMBLED LAPAROSCOPIC (PEAL) NEPHRECTOMY: FEASIBILITY OF A NEW SURGICAL TECHNIQUE.
B West, J Thomas, M Keheila, S Abourbih, I Kelly, S Cheriyan, J Shen, M Pierce and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 224

71 MOHS SURGERY OR RADIATION THERAPY: WHICH IS THE MORE AFFORDABLE TREATMENT FOR NON-MELANOMA SKIN CANCERS OF THE FACE?
B Willows, A Likhacheva and K Cordova, Phoenix, AZ; Gilbert, AZ and Sun City West, AZ. University of Arizona - Phoenix

Abstract 225
Adolescent Medicine and General Pediatrics II
Studio 105 (Sunset Center)
Kim Morishita and Amy Staples, Presiding

8:00  TWO ATYPICAL CASES OF PEDIATRIC LYMPHOHISTIOCYTOSIS.
EH Fisher and M Hogan, Las Vegas, NV. University of Nevada School of Medicine
Abstract 226

8:15  SIGNIFICANT LOCAL PRACTICE VARIATION IN PREDNISONE DOSING
FOR CHILDHOOD NEPHROTIC SYNDROME AFFECTS RELAPSING
OUTCOMES.
A Roshan, M Catapang, M Sibley, D Matsell and C Mammen, Vancouver, BC, Canada.
BC Children's Hospital (WSMRF)
Abstract 227

8:30  THE CHILDHOOD NEPHROTIC SYNDROME CLINICAL PATHWAY
REDUCES PRACTICE VARIATION AND IMPROVES RELAPSING
OUTCOMES.
M Catapang, A Sanchez, A Roshan, M Sibley, R Humphreys, C Mammen and D Matsell,
Vancouver, BC, Canada. BC Children's Hospital
Abstract 228

8:45  FIDELITY TO THE CHILDHOOD NEPHROTIC SYNDROME CLINICAL PATHWAY: HOW WELL ARE WE DOING?
M Catapang, A Sanchez, N Polderman, R Humphreys, C Mammen and D Matsell,
Vancouver, BC, Canada. BC Children's Hospital
9:00 IDENTIFYING BIOMARKERS OF DISEASE PROGRESSION IN PEDIATRIC AUTOSOMAL DOMINANT POLYCYSTIC KIDNEY DISEASE PATIENTS.
M Baliga, A Karimpour-Fard, J Klawitter, U Christians, M Cadnapaphornchai and J Klawitter, Aurora, CO. University of Colorado School of Medicine (WSPR Abbott Subspecialty Award Winner)(WSMRF)

9:15 PROTEINURIA, GLOMERULAR FILTRATION RATE AND ALLOGRAFT SURVIVAL IN PEDIATRIC POST RENAL TRANSPLANT POPULATIONS IN A SINGLE CENTER STUDY.
E Park, LR Lovro and A Staples, Albuquerque, NM and Los Angeles, CA. University of New Mexico

9:30 EFFICACY OF STEROIDS IN PREVENTING LONG-TERM RENAL INVOLVEMENT IN PEDIATRIC PATIENTS WITH HENOCH SCHONLEIN PURPURA (HSP): A COMPREHENSIVE LITERATURE REVIEW.
V Lau, V Chiang, O Kardani, A Kim, E Kwan, A Panchal, J Viswanathan and B Afghani, Los Angeles, CA; Irvine, CA and Orange, CA. UCLA

9:45 ACUTE KIDNEY INJURY IN 'ATYPICAL' KAWASAKI DISEASE.
CP Chow, H Agarwal and A Staples, Albuquerque, NM. University of New Mexico

Break 10:00 am – 10:15 am

Cardiovascular III
Promenade Lobby (Sunset Center)
Michele Hamilton, Presiding

8:00 PROLIFERATION SIGNAL INHIBITOR (PSI) IN THE FIRST YEAR WITH INDUCTION THERAPY IS SAFE IN HEART TRANSPLANT PATIENTS.
G Esmailian, T Aintablian, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

8:15 VENO-ARTERIAL EXTRACORPOREAL MEMBRANE OXYGENTATION, RECOVERY VERSUS MORTALITY: A SYSTEMATIC REVIEW.
L Colyer, Seattle, WA. University of Washington School of Medicine

8:30 COMBINED HEART-KIDNEY TRANSPLANT VS HEART ALONE TRANSPLANT IN PATIENTS WITH TOTAL ARTIFICIAL HEART: IS IT VIABLE?
J Kwan, T Aintablian, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center
8:45 SIDE EFFECTS OF PROLIFERATION SIGNAL INHIBITORS LIMIT THEIR PRACTICAL USE AFTER HEART TRANSPLANTATION.

LM Arakawa, T Aintablian, R Levine, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

9:00 TRENDS IN CARE OF PATENT DUCTUS ARTERIOSUS AMONG EXTREMELY PRETERM INFANTS IN THE UNITED STATES FROM 2003-2012.

M Luu, A Lakshmanan, P Friedlich and S Noori, San Gabriel, CA. Children's Hospital Los Angeles

9:15 THE RISK OF NAÏVE VS MEMORY PATIENTS AWAITING HEART TRANSPLANTATION: DOES IT MAKE A DIFFERENCE IN POST-TRANSPLANT OUTCOMES?

JM Krems, T Aintablian, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

9:30 AORTIC DISSECTIONS AND STIMULANT DRUG ABUSE IN NEW MEXICO: A 39-YEAR RETROSPECTIVE REVIEW.

U Shukla, M Aurelius, V Poland and S Lathrop, Albuquerque, NM and Raleigh, NC. University of New Mexico

9:45 DOES SOCIOECONOMIC STATUS IMPACT OUTCOME FOLLOWING MECHANICAL CIRCULATORY SUPPORT DEVICE IMPLANTATION?

K Ching, T Aintablian, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Medical Center

Break 10:00 am – 10:15 am

Endocrinology and Metabolism II
Bingham Room #3 (Sunset Center)
Kristen J. Nadeau and Kristina Utzschneider, Presiding

8:00 YOUTH WITH TYPE 1 DIABETES HAVE HEPATIC AND PERIPHERAL INSULIN RESISTANCE.

JJ Stuppy, M Green, B Bergman, G Coe, A Baumgartner, S Bacon, A Sherzinger, L Pyle and KJ Nadeau, Aurora, CO. University of Colorado Health Sciences, Anschutz Medical Campus (WSMRF)

8:15 THE EFFECT OF OBESITY ON INSULIN RESISTANCE AND CARDIOVASCULAR RISK IN TYPE 1 DIABETES.

K Strickland, M Green, P Bjornstad, U Truong, L Pyle, A Baumgartner, G Coe, J
Thurston, JE Reusch and KJ Nadeau, Oklahoma City, OK and Aurora, CO. University of Oklahoma (WSMRF)

8:30 THE RELATIONSHIP BETWEEN ACTIGRAPHY AND CONTINUOUS GLUCOSE MONITORING IN YOUTH WITH CYSTIC FIBROSIS.
R Branscomb, T Vigers, K Campbell, L Pyle, KJ Nadeau, S Simon and C Chan, Aurora, CO. University of Colorado Health Sciences (WSMRF)

Abstract 243

8:45 AN ASSESSMENT OF DIAGNOSTIC CRITERIA FOR DIABETIC KETOACIDOSIS.
E Cristiano, A Yehya, D Robbins, F Plapp, L Graves and JM Miles, Kansas City, KS. University of Kansas (WSCI Travel Award Winner)

Abstract 244

9:00 State-of-the-Art Speaker
SIMILARITIES AND DIFFERENCES IN INSULIN RESISTANCE IN YOUTH WITH TYPE 1 AND TYPE 2 DIABETES?
Kristen Nadeau, Children's Hospital Colorado

Abstract 245

9:30 RELATIONSHIPS BETWEEN BODY FAT DEPOTS AND INSULIN SENSITIVITY IN PEOPLE WITH AND WITHOUT TYPE 2 DIABETES.
E Kapoor, J Almandoz, R Basu and JM Miles, Rochester, MN. Mayo Clinic

Abstract 246

9:45 INSULIN RESISTANCE, RELATIVE POSTPRANDIAL HYPERINSULINEMIA AND MITOCHONDRIAL DYSFUNCTION IN NORMAL WEIGHT GIRLS WITH PCOS.
H Rahat, B Bergman, M Brown, D Singel, B Newcomer, G Coe, L Newnes, A Scherzinger, KJ Nadeau and M Green, Aurora, CO and Harrisburg, VA. UCAMC & CHC (WSMRF) (WAFMR Scholar Awardee)

Abstract 247

Break 10:00 am – 10:15 am

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

8:00 EVALUATE AN ANTI-REFLUX PROGRAM IN TREATING LARYNGOPHARYNGEAL REFLUX SYMPTOMS COMPARED WITH ANTI-REFLUX MEDICATIONS.
J Yang, P Krishna and B Crawley, Loma Linda, CA. Loma Linda University School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)

Abstract 248

8:15 CANCELLED

8:30 SMALL MOLECULE INHIBITION OF THE CHEMOKINE RECEPTOR CXCR3 ATTENUATES EXPERIMENTAL
CROHN'S DISEASE.
C Nguyen, O Jensen, P Jedlicka, M Gerich, F Byrne and E McNamee, Denver, CO; Thousand Oaks, CA and Denver, CA. University of Colorado School of Medicine (WSMRF)

Abstract 250

8:45 THE EFFECTIVENESS OF PROBIOTICS IN TREATING PEDIATRIC FUNCTIONAL ABDOMINAL PAIN.
T Le, El Kim, A Huang, K Woo, P Jazirian, S Yue and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine School of Medicine

Abstract 251

9:00 HEPATITIS C RELATED NON-CIRRHTIC HEPATOCELLULAR CARCINOMA: IDENTIFYING GENETIC RISK FACTORS.
D Hussey, M Yeh and Y Liu, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 252

9:15 EFFICACY OF ANTACIDS IN TREATING GASTROESOPHAGEAL REFLUX (GERD) IN INFANTS: A LITERATURE REVIEW.
CN Tran, CJ Huang, RM Sun, MC Hall, A Somani, N Alety, M Chheang and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine

Abstract 253

Break 10:00 am – 10:15 am

Genetics
Rehearsal Room (Sunset Center)
Katrina Dipple and Sarah Dugan, Presiding

8:00 NOVEL GENOTYPE AND CLINICAL OUTCOME WITH ETIDRONATE THERAPY IN A NEONATE WITH GENERALIZED ARTERIAL CALCIFICATION OF INFANCY.
A Staples, C Joseph, C Wong, J Love, T Cushing and J Brandt, Albuquerque, NM. University of New Mexico (WSPR)

Abstract 254

8:15 PRECISION GENOMICS IN THE DIAGNOSIS OF SYNDROMIC VITREO-RETINOPATHIES.
S Shankar and J Alexander, Sacramento, CA and Atlanta, GA. UC Davis

Abstract 255

8:30 CLINICAL AND MOLECULAR CHARACTERIZATION OF SITUS INVERSUS TOTALIS DUE TO A FRAMESHIFT MUTATION IN OFDI.
K Wigby, CI Galarreta Aima and L Bird, San Diego, CA. University of California San Diego

Abstract 256

8:45 KAUFMAN OULOCEREBROFACIAL SYNDROME: A NOVEL MUTATION IN UBE3B IN TWO SIBLINGS AND ADDITIONAL PHENOTYPIC FEATURES.
9:00 VARIABLE EXPRESSIVITY IN ALSTRÖM SYNDROME.
N Alsaleh, K Jensen, D Rosenthal, D Stevenson, M Manning and S Hollander, Stanford, CA. Stanford University (WSPR Mead Johnson Nutrition Travel Award Winner)  
Abstract 258

9:15 ZEBRAFISH AT THE BEDSIDE: IN VIVO VALIDATION OF HUMAN DISEASE SEQUENCE VARIANTS.
FB Imam, La Jolla, CA and San Diego, CA. University of California, San Diego (WSPR) (WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee)  
Abstract 259

9:30 USE OF FLOW CYTOMETRY FOR DIAGNOSIS OF EPILEPSY ASSOCIATED WITH HOMOZYGOUS PIGW VARIANTS.
GK Foskett, E Engleman, J Klotz, LL Tolentino, O Choi, A Kochhar, Q Yang and D Stevenson, Stanford, CA and Madera, CA. Stanford University  
Abstract 260

9:45 MIND THE GAP: SYNGAP1 AND RASOPATHIES.
KA Rauen and L Bivina, Granite Bay, CA and Sacramento, CA. University of California Davis (WSPR)  
Abstract 261

Break 10:00 am – 10:15 am

Neonatal Pulmonary III
Carpenter Hall
Erica Mandell and Clyde Wright, Presiding

8:00 DIFFERENTIATION OF MESENCHYMAL STEM CELLS INTO AIRWAY EPITHELIUM FOR USE IN A PORCINE MODEL OF LUNG INJURY.
RJ McCully, L Murata, W Kurata, C Campbell, L Pierce and C Uyehara, Honolulu, HI. Tripler Army Medical Center  
Abstract 262

8:15 IGF1 SIGNALING & DOWNSTREAM TARGETS ARE REQUIRED FOR ALVEOLAR FORMATION.
NS Bhopal, S Li, D Mathur, M Dahl, K Albertine, C Ramos, R Ramanathan and P Minoo, Los Angeles, CA; Salt Lake City, UT and San Diego, CA. LAC+USC Medical Center & Children's Hospital Los Angeles, University of Southern California (WSPR Mead Johnson Nutrition Travel Award Winner) (WSMRF)  
Abstract 263

8:30 EXTRAUTERINE GROWTH RESTRICTION DOES NOT ALTER LUNG ELASTIN PROTEIN ABUNDANCE IN JUVENILE RATS.
J Zhao, C Bantilan, H Wang, CR Ballard and L Joss-Moore, Salt Lake City, UT and
8:45 State-of-the-Art Speaker
MOLECULAR MECHANISMS OF ABNORMAL LUNG DEVELOPMENT IN CONGENITAL DIAPHRAGMATIC HERNIA.
Xin Sun, University of California, San Diego

9:15 INSULIN-LIKE GROWTH FACTOR-1 IN ALVEOLAR FORMATION IN PRETERM LAMBS.
T Aoki, C Miers, A Rebentisch, S Bowen, M Dahl, L Dong, Z Wang, D Null, B Yoder and K Albertine, Salt Lake City, UT and Davis, CA. University of Utah (WSPR Abbott Subspecialty Award Winner) (WSMRF)

9:30 VITAMIN D3 BLOCKS HYPEROXIA-INDUCED TRACHEAL SMOOTH MUSCLE CELL PROLIFERATION AND DIFFERENTIATION.
R Sakurai, C Lee and V Rehan, Torrance, CA. Harbor-UCLA Medical Center (WSPR)

9:45 INVASIVE MECHANICAL VENTILATION DECREASES ILEAL FABP2 MRNA IN PRETERM LAMBS.
AL Pyne, H Wang, L Ruybal, L Dong, M Dahl, K Albertine and L Joss-Moore, Salt Lake City, UT. University of Utah

Break 10:00 am – 10:15 am

Neonatology - Perinatal Biology I
Chapman #4 (Sunset Center)
Laura Brown and Jessie Maxwell, Presiding

8:00 University of Colorado Fred Battaglia State-of-the-Art Speaker
PROTECTING THE NEWBORN BRAIN: CAN ERYTHROPOIESIS STIMULATING AGENTS IMPROVE NEURODEVELOPMENTAL OUTCOME?
Robin K. Ohls, University of New Mexico

8:30 DISCOVERY OF NOVEL HYPOXIA-PROTECTIVE AND HEAT-PROTECTIVE GENES USING A ZEBRAFISH DISEASE MODEL.
FB Imam, La Jolla, CA. University of California, San Diego

8:45 PRENATAL ALCOHOL EXPOSURE EXACERBATES CHORIOAMNIONITIS: A PRECLINICAL INVESTIGATION.
J Maxwell, S Davies, T Yellowhair, D Savage and L Jantze, Rio Rancho, NM. University of New Mexico (WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee)

Abstract 264
Abstract 265
Abstract 266
Abstract 267
Abstract 268
Abstract 269
9:00 HUMANIN AND NOTCH-1 PARTNER IN PROLIFERATING NEUROEPITHELIAL CELLS DURING FETAL NEURODEVELOPMENT.
C Baldauf, B Shin, H Nakamura, K Lee and SU Devaskar, Los Angeles, CA. University of California, Los Angeles (WSPR)

9:15 ADIPONECTIN PREVENTS OBESITY AND HEPATIC STEATOSIS IN MOUSE OFFSPRING BORN TO OBESE DAMS.
M Gossling, FJ Rosario, SR Wesolowski, T Jansson and TL Powell, Aurora, CO. University of Colorado (WSPR)

9:30 MATERNAL TOBACCO SMOKE EXPOSURE DIFFERENTIALLY PROGRAMS CANNABINOID RECEPTOR EXPRESSION AND IN ADIPOSE TISSUE OF ADULT RATS.
CJ Wiscombe, H Wang, IH Trevenzoli and L Joss-Moore, South Weber, UT. University of Utah (WSPR Abbott Subspecialty Award Winner)

9:45 INCREASED PLACENTAL FATTY ACID BINDING PROTEIN EXPRESSION IN A BABOON MODEL OF INTRAUTERINE GROWTH RESTRICTION.
SS Chassen, C Li, T Jansson, P Nathanielsz and TL Powell, Denver, CO; Laramie, WY; San Antonio, TX and Aurora, CO. University of Colorado (WSPR Mead Johnson Nutrition Travel Award Winner) (WSPR)

Break 10:00 am – 10:15 am

Neonatology General III
All Saints Church, Seccombe Hall
Rachel Chapman and Farhad Imam, Presiding

8:00 USE OF NASAL INTERMITTENT POSITIVE PRESSURE VENTILATION IN NEONATAL UNITS IN THE UNITED STATES.
H Muniraman, R Ramanathan and N Iyer, Los Angeles, CA. LAC+USC Medical Center

8:15 HIGH FLOW NASAL CANNULA FOR NEONATAL TRANSPORT.
B Muniyappa, G Honey and B Yoder, Salt Lake City, UT. University of Utah

8:30 NEONATAL INTUBATION COMPLICATIONS.
SJ Harris, J Krick, T Sawyer, M Gray and R Umoren, Moscow, ID. University of Washington (WSPR Abbott Subspecialty Award Winner)

8:45 IMPROVING NEONATAL INTUBATION OUTCOMES USING TEAMWORK TRAINING.
SJ Harris, J Krick, T Sawyer, M Gray and R Umoren, Seattle, WA. University of
SURVEY OF VENTILATORY PRACTICES IN MANAGEMENT OF RESPIRATORY DISTRESS SYNDROME IN PRETERM INFANTS.
H Muniraman, M Biniwale, R Ramanathan and N Iyer, Los Angeles, CA. LAC+USC Medical Center

PREDICTORS OF OUTCOMES AFTER SUCCESSFUL LESS INVASIVE POSITIVE PRESSURE SUPPORT DURING RESUSCITATION OF LARGER PRETERM AND TERM INFANTS IN THE DELIVERY ROOM.
ER Wang, FB Wertheimer, R Ramanathan and M Biniwale, Los Angeles, CA. Keck School of Medicine of USC (WSMRF)

ELEVATED SERUM VITAMIN D LEVELS ASSOCIATED WITH NEPHROCALCINOSIS IN PRETERM INFANTS.
S Malone Jenkins, M Grinsell, K Weaver Lewis, J Felix and G Chan, Salt Lake City, UT and Murray, UT. University of Utah

ACUTE KIDNEY INJURY (AKI) IN PRETERM INFANTS RECEIVING INDOMETHACIN FOR PATENT DUCTUS ARTERIOSUS (PDA).
A De Mello, K McDougal, E Kwan, JY Ting and C Mammen, Vancouver, BC, Canada. BC Children's Hospital

Break 10:00 am – 10:15 am

MITOCHONDRIAL ASSESSMENT OF REPERFUSED PORCINE LUNGS FOLLOWING COLD STATIC STORAGE.
RP Palsma, D Schipper and Z Khalpey, Tucson, AZ. University of Arizona

MANAGEMENT OF LARGE WOUND DEFECTS WITH CONTINUOUS TISSUE EXPANDERS.
Y Choi and B Gociman, Salt Lake City, UT. University of Utah School of Medicine

SURVIVORSHIP ANALYSIS OF MODULAR FEMORAL STEMS IN TOTAL HIP ARTHROPLASTY, MINIMUM 10 YEAR FOLLOW-UP.
E Mehic and D Scott, Richland, WA. University of Washington
8:45  INNOVATION, ENGINEERING AND ANATOMY: PARADIGM SHIFT, ULTRASOUND ASSESSING IMPLANT POSITIONING, RESTORING THE HAND "ORGAN".
H Swift and B Benninger, Lebanon, OR. Western University of Health Sciences

Abstract 285

9:00 MATCHED COMPARISON OF CONVENTIONAL FLUOROSCOPY, ULTRASOUND GUIDANCE AND THE LASER DIRECT ALIGNMENT RADIATION REDUCTION TECHNIQUE FOR PERCUTANEOUS NEPHROLITHOTOMY.
BJ Mattison, S Abourbih, M Keheila, P Yang, M Alsyouf, J Smith and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 286

9:15 PEDIATRIC PATIENTS WITH COCHLEAR IMPLANTS: OBSTACLES TO FULL-TIME UTILIZATION.
GS Yi, P Tellez, R Chia, J Pauwels and F Kozak, Vancouver, BC, Canada. University of British Columbia (WAFMR)

Abstract 287

9:30 SRC IS PART OF THE MECHANOTRANSDUCTION RESPONSE TO STIFF MATRIX IN PRIMARY HEPATOCYTES.
MC Yoshida, VX Zhou and TT Chang, Pomona, CA and San Francisco, CA. Western University of Health Sciences (WSMRF)

Abstract 288

9:45 DUAL CATHETER HEMOSTATIC SANDWICH TECHNIQUE FOR CONTROL OF TRACT HEMORRHAGE FOLLOWING PERCUTANEOUS NEPHROLITHOTOMY.
BJ Mattison, M Keheila, I Kelly, S Abourbih, M Lightfoot, R Li, M Alsyouf, K Myklak and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine

Abstract 289

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

10:15 NONWORD REPETITION SKILLS OF YOUNG CHILDREN BORN PRETERM.
LD Gresch, EC Loi, M Ashland, VA Marchman and HM Feldman, Stanford, CA.
Stanford University

10:30 DEVELOPMENTAL DIFFERENCES IN THE EARLY STAGES OF LEARNING TO READ IN CHILDREN BORN PRETERM AND FULL TERM.
LR Borchers, VA Marchman and HM Feldman, Stanford, CA. Stanford University

10:45 PRENATAL INFECTIONS AND RISK OF AUTISM, INTELLECTUAL DISABILITY AND/OR EPILEPSY.
HR Haber, G Xing and CK Walker, Sacramento, CA. University of California, Davis (WSPR Abbott Subspecialty Award Winner) (WSMRF)

11:00 State-of-the-Art Speaker
LIFE COURSE RESEARCH WITH THE COHORT IN SANTIAGO, CHILE.
Sheila Gahagan, University of California, San Diego
11:30 IMPACT OF CHRONIC MEDICAL CONDITIONS ON ACADEMICS OF CHILDREN IN THE CHILD WELFARE SYSTEM.
E Whitgob and IM Loe, Palo Alto, CA. Stanford University

11:45 SUBSTANCE USE DISORDER AND CONDUCT DISORDER IN ADOLESCENCE PREDICT MEDICAL CANNABIS CARD STATUS IN ADULTHOOD.
J Kim, J Sakai, S Young, K Raymond, C Hopfer, T Wall and M Coors, Aurora, CO and San Diego, CA. University of Colorado (WSMRF)

Global Health II
Promenade Lobby (Sunset Center)
Larry Kirven, Presiding

10:15 DIABETIC FOOT AMPUTATION IN SOROTI, UGANDA - THE PATIENT PERSPECTIVE.
J Blanco, L Kim, AR Hengel, R Jinah, D Duffy, M Ajiko and J Chanoine, Vancouver, BC, Canada and Soroti, Uganda. University of British Columbia

10:30 TACKLING MALNUTRITION AND ANEMIA IN THE SACRED VALLEY OF PERU.
C Schuelke, Bozeman, MT. University of Washington

10:45 DECREASING TOBACCO SMOKING IN DHULIKHEL, NEPAL THROUGH CESSATION COUNSELING AND EDUCATIONAL PROGRAMS.
K Cleasby, Helena, MT. University of Washington School of Medicine

11:00 MIXED-METHODS COMPARISON OF FAMILY PLANNING MODELS.
K Rikhraj, K Merali, T Mohamed, B Boorman, V Kapoor and R Kalyesubula, Vancouver, BC, Canada; Nakaseke, Uganda and Kampala, Uganda. University of British Columbia (WSMRF)

11:15 FORMING FIRST-AID HEALTH BRIGADES IN A PERUVIAN SHANTYTOWN SCHOOL.
J Copeland, Moscow, ID. University of Washington (WSMRF)

11:30 THE ASSESSMENT AND SUSTAINABLE MANAGEMENT OF SICKLE CELL DISEASE IN THE INDIGENOUS THARU POPULATION OF NEPAL.
J Yeo, A Cherukupalli, AK Malhotra, E Busto, B Giang, L Halperin, M McKeown, K Stromgren, M Marchand, C Bell, C Gill and V Kapoor, Vancouver, BC, Canada. University of British Columbia

Abstract 293
Abstract 294
Abstract 295
Abstract 296
Abstract 297
Abstract 298
Abstract 299
Abstract 300
HEALTH OUTCOMES OF LOW BIRTH WEIGHT INFANTS FOLLOWING IMPLEMENTATION OF A HOSPITAL-TO-COMMUNITY IN-HOME SURVEILLANCE INTERVENTION IN RURAL GUJARAT, INDIA: AN INTERIM ANALYSIS.
R Patel, C Stiglmeier, P Brahmbhatt, C Maloney, B Fassl and R Malhotra, Syracuse, NY and Mota Fofalia, India. University of Utah (WSCI Travel Award Winner)  
Abstract 301

STRENGTHENING THE LOCAL HEALTH AND SOCIAL SAFETY NET OF FEMALE SEX WORKERS IN NAIVASHA, KENYA.
J Wooley, Anchorage, AK. University of Washington School of Medicine  
Abstract 302

OUTPATIENT BURN CARE AT BC CHILDREN'S HOSPITAL BURN TREATMENT ROOM: A 3-YEAR REVIEW.
R Chan, A Van Slyke, M Bucevksa, R Courtemanche and C Verchere, Vancouver, BC, Canada. University of British Columbia (WSMRF)  
Abstract 303

TELEDERMATOLOGY: A STUDY COMPARING DIAGNOSIS AND MANAGEMENT OF DERMATOLOGICAL CONDITIONS IN THE EMERGENCY DEPARTMENT.
M Hakimi, D Barnes and R Sivamani, Brentwood, CA. University of California Davis School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)  
Abstract 304

ASSESSING CALIFORNIA INSURANCE NETWORK ADEQUACY IN GENERAL PSYCHIATRY.
K Wong, Z Yang, V Lee and RM McCarron, Pomona, CA; Washington, DC and Davis, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific  
Abstract 305

THE ASSOCIATION BETWEEN INSURANCE STATUS AND THE TRANSFER OF PEDIATRIC PATIENTS WITH MENTAL HEALTH DISORDERS FROM EMERGENCY DEPARTMENTS.
JL Kissee, Y Huang, JL Rosenthal, P Dayal and JP Marcin, Sacramento, CA. University of C Davis Health System  
Abstract 306

INSURANCE STATUS IS ASSOCIATED WITH AMBULANCE USE IN THE PEDIATRIC POPULATION.
P Dayal, TK Ruttan and JP Marcin, Sacramento, CA. University of California Davis  
Abstract 307
11:30 PEDIATRIC INTENSIVE CARE UNIT OUTCOMES AMONG CHILDREN ADMITTED FROM EMERGENCY DEPARTMENTS.
P Dayal, I Sigal, D Hallam, JE Natale, JP Marcin and JM Evans, Sacramento, CA. University of California Davis Health System

11:45 ANTICOAGULATION USE, FIELD TRIAGE, AND OUTCOMES OF OLDER ADULTS WITH HEAD INJURY TRANSPORTED BY EMERGENCY MEDICAL SERVICES.
MA Gilbert and D Nishijima, Sacramento, CA. University of California, Davis

12:00 AN ANALYSIS OF GENERATIONS AND INTERGENERATIONAL CONFLICTS IN THE EMERGENCY ROOM.
NJ Leung, ET Reibling and EL Walters, Loma Linda, CA. Loma Linda University

12:15 REPRESENTATION OF WOMEN AMONG ACADEMIC GRAND RoundS SPEAKERS.
JR Boiko, AJ Anderson and RA Gordon, San Francisco, CA and Pittsburgh, PA. University of California, San Francisco (WSCI Travel Award Winner) (WSMRF)

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

10:15 RHOB LOSS DURING AGING CAUSES INCREASED C-MYC AND PROMOTES LUNG TUMORIGENESIS.
E Gutierrez, N Zhang, Y Song, H Tian, Y Zhang, R Chan, N Connis, C Hann, P Dennis and C Zhang, Pomona, CA and Baltimore, MD. College of Osteopathic Medicine of the Pacific (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)

10:30 KARYOMETRY IDENTIFIES A DISTINGUISHING FALLOPIAN TUBE EPITHELium PHENOTYPE IN SUBJECTS AT HIGH RISK FOR OVARIAN CANCER.
SJ Russell, G Rodriguez, M Yozwiak, C Patel, M Maarouf, H Bartels, J Barton, P Bartels and D Alberts, Tucson, AZ and Evanston, IL. University of Arizona

10:45 THE ROLE OF WNT LIGANDS IN THE PROGRESSION OF BRAF-DRIVEN LUNG TUMORS.
JP Tomaszewski and M McMahon, Salt Lake City, UT. University of Utah School of Medicine

11:00 CANCELLED
11:15 SMALL MOLECULES ENHANCE THE EFFECTS OF PROTON IRRADIATION ON GLIOBLASTOMA CELL LINE (U-138).
CL Winter, JJ Sackett, T Teichman, K Boyle and M Vazquez, Loma Linda, CA. Loma Linda University School of Medicine

Moved to 11:00 am

11:30 RNF20 OVEREXPRESSION MAY CONFER CHEMOTHERAPY RESISTANCE IN ACUTE LYMPHOBLASTIC LEUKEMIA.
E Sasine and K Bernt, Denver, CO. University of Colorado School of Medicine (WSMRF)

CANCELLED

11:45 THE CYTOTOXIC EFFECTS OF DUOCARMYCIN-SA ON GLIOBLASTOMA MULTIFORME CELL LINE.
JJ Sackett, CL Winter, T Teichman, K Boyle and M Vazquez, Loma Linda, CA. Loma Linda University School of Medicine

CANCELLED

12:00 EVALUATING THE QUALITY OF ONLINE RESOURCES FOR ESOPHAGEAL CANCER PATIENTS.
S Das, L DeGroot and P Ingledew, Vancouver, BC, Canada. University of British Columbia

Moved to 11:15 am

12:15 CANCEROUS WEBSITES? ANALYZING THE QUALITY OF PROSTATE CANCER WEB RESOURCES.
KJ Kobes and P Ingledew, Vancouver, BC, Canada. University of British Columbia

Infectious Diseases II
Bingham Room #3 (Sunset Center)
Fred Buckner, Ravi Durvasula, and David Gilbert, Presiding

10:15 PRECLINICAL DEVELOPMENT OF NOVEL ANTIBIOTICS AGAINST GRAM POSITIVE BACTERIA.
O Faghih, F Buckner, E Fan, Z Zhangsheng, JR Gillespie and RM Ranade, Redmond, WA and Seattle, WA. University of Washington

Abstract 321

10:30 DEVELOPMENT OF RECOMBINANT VARICELLA ZOSTER VIRUS CONTAINING REGULATABLE CRISPR-CAS9.
C Spandler and R Mahalingam, Denver, CO. University of Colorado School of Medicine (WSMRF)

Abstract 322

10:45 EVALUATION OF CLOSTRIDIUM DIFFICILE INFECTIONS (CDI), BLOODSTREAM INFECTIONS (BSI), AND THE MICROBIOME IN PEDIATRIC ONCOLOGY PATIENTS.
B Nyce, SR Dominguez, D Ir, C Robertson and D Frank, Boulder, CO. University of
11:00 EVALUATION OF ALTERNATIVE ZOSYN (PIPERACILLIN/TAZOBACTAM) INFUSION STRATEGIES.
A Heidari, MQ Nguyen, J Jolliff and J Joson, Bakersfield, CA. Kern Medical - UCLA

11:15 ATTITUDES TOWARDS NOVEL HIV PREVENTION STRATEGIES AMONG FEMALE SEX WORKERS IN PUNE, INDIA.
YM Chang, T Gilada, T Sevekari and A Duerr, Seattle, WA and Pune, India. Fred Hutchinson Cancer Research Center

11:30 MENTAL HEALTH AND PSYCHOSOCIAL FACTORS AFFECTING ADHERENCE TO HIV TREATMENT IN SUB-SAHARAN AFRICA: A SYSTEMATIC REVIEW.
J Wykowski and P Drain, Seattle, WA. University of Washington

11:45 DISSEMINATED GONOCOCCAL INFECTION MASQUERADING AS SYSTEMIC LUPUS ERYTHEMATOUS FLARE.
S Lee, Las Vegas, NV. University of Nevada School of Medicine

12:00 IMPLEMENTATION CHALLENGES OF POINT-OF-CARE TESTING: EVIDENCE FROM THREE CASE STUDIES IN AN INFECTIOUS DISEASE CENTER IN DURBAN, SOUTH AFRICA.
K Stime, N Garrett and P Drain, Durban, South Africa and Seattle, WA. University of Washington

12:15 A CASE OF SIADH INDUCED BY DISSEMINATED CNS COCCIDIOIDOMYCOSIS.
A Ammar, A Heidari, T Barrett and S Ratnayake, Bakersfield, CA. UCLA Kern Medical

Morphogenesis and Malformations
Rehearsal Room (Sunset Center)
Miguel del Campo and Melanie Manning, Presiding

10:15 State-of-the-Art Speaker
ELEPHANTS, GENOMES, AND CANCER: HOW COMPARATIVE ONCOLOGY CAN HELP OUR PEDIATRIC PATIENTS.
Joshua Schiffman, University of Utah

10:45 HOMOZYGOUS VARIANT IN CDC7: A NEW MOLECULAR ETIOLOGY FOR MEIER GORLIN SYNDROME.
A NOVEL AUTOSOMAL DOMINANT MICROCEPHALY SYNDROME DUE TO VARIANTS IN KMT2B
MW Allain, E Farrelly, L Rohena and D Stevenson, Palo Alto, CA and San Antonio, TX. Stanford University

GENETIC RE-INTERPRETATION REVEALS NOVEL ARFI VARIANTS IN BRAIN MALFORMATION INDIVIDUALS.
J Shieh, San Francisco, CA. University of California San Francisco (WSPR)

PRENATAL INFECTION BY THE ZIKE VIRUS. DELINEATION OF THE PHENOTYPES.
M del Campo, I Feitosa and L Shüller-Faccini, San Diego, CA and Porto Alegre, Brazil. University of California, San Diego (WSPR Mead Johnson Nutrition Travel Award Winner) (WSPR)

MATERNAL DIABETES-RELATED CONGENITAL MALFORMATIONS IN A POPULATION-BASED STUDY IN UTAH.
JC Carey, L Botto, J Byrne, S Krikov and M Feldkamp, Salt Lake City, UT. University of Utah (WSPR)

PRADER-WILLI SYNDROME WITH UNANTICIPATED RENAL COMPLICATIONS.
A Abu-El-Haija and J Shieh, San Francisco, CA. University of California San Francisco (WSPR)

JOAN E. HODGMAN LECTURE
THE MOST IMPORTANT WORDS IN SCIENCE.
Kristi Watterberg, University of New Mexico

NEURODEVELOPMENTAL OUTCOMES AFTER ADMINISTRATION OF LATE SURFACTANT IN THE TOLSURF TRIAL.
EE Rogers, RL Keller, RA Ballard and T O'Shea, San Francisco, CA and Chapel Hill, NC. University of California San Francisco

LIMB PROPRIOCEPTIVE STIMULATION STABILIZES CARDIORESPIRATORY PARAMETERS WITHOUT DISRUPTING SLEEP IN PREMATURE NEONATES.
11:15 SIX YEAR DEVELOPMENTAL ASSESSMENT OF FORMER PRETERM INFANTS TREATED WITH ERYTHROPOIESIS STIMULATING AGENTS.
CC Milner, J Lowe, D Cannon, J Phillips, A Caprihan, S Wiedmeier, S Patel, M Steffen, R Yeo, R Campbell, S Baker, S Gonzales and RK Ohls, Albuquerque, NM and Salt Lake City, UT. University of New Mexico (WSPR Mead Johnson Nutrition Travel Award Winner)

Abstract 337

11:30 LACK OF A UNIFYING DIAGNOSIS: WHOLE EXOME SEQUENCING IDENTIFIES 2 DE NOVO MUTATIONS IN A PATIENT WITH A COMPLEX PHENOTYPE.
MM Martin, Sacramento, CA. University of California Davis

Abstract 338

11:45 EARLY DIAGNOSIS AND TREATMENT OF PRADER WILLI SYNDROME: IS NEWBORN SCREEN FEASIBLE?
P Singh, A Nalbandian, L Weiss, M Oakes, W Hossain, M Butler and V Kimonis, Orange, CA; Irvine, CA and Kansas City, KS. University of California Irvine

Abstract 339

12:00 ELECTRICAL CARDIOMETRY IN PREDICTING RESPONSE TO IBUPROFEN TREATMENT FOR PATENT DUCTUS ARTERIOSUS AMONG VERY LOW BIRTH WEIGHT INFANTS: A PROSPECTIVE STUDY.
K Hsu, T Wu and S Noori, Los Angeles, CA and Taoyuan, Taiwan. Center for Fetal and Neonatal Medicine, Division of Neonatal Medicine, Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine, University of Southern California, Los Angeles, CA

Abstract 340

12:15 SPLANCHNIC TISSUE OXYGENATION IS AFFECTED IN PREMATURE BABIES WITH PATENT DUCTUS ARTERIOSUS.
KL Braski, B Reich, M Loertscher, K Weaver Lewis and M Baserga, Salt Lake City, UT and Murray, UT. University of Utah

Abstract 342

Nephrology and Hypertension
Green Room (Sunset Center)
Charles Edelstein and Kristen Nowak, Presiding

10:15 INITIAL EXPERIENCE WITH THE BACTERIAL ENZYME IDES (IGG ENDOPEPTIDASE) FOR DESENSITIZATION OF HIGHLY HLA-SENSITIZED KIDNEY TRANSPLANT PATIENTS.
SC Jordan, J Choi, C Kjellman, L Winstedt, X Zhang, M Toyoda, S Ge, A Peng, S Louie, A Kang, M Haas, C Nast and A Vo, LA, CA and Lund, Sweden. Cedars-Sinai Medical Center
10:30 METHODS FOR IN VIVO DETECTION OF AUTOPHAGY IN POLYCYSTIC KIDNEY DISEASE (PKD).
C Edelstein, A Thorburn and K Ravichandran, Aurora, CO. *University of Colorado (WAP)*

10:45 CLINICAL BIOMARKERS OF CHILDHOOD NEPHROTIC SYNDROME PREDICT UNFAVORABLE DISEASE.
A Roshan, A Alshami, M Catapang, J Jobsis, M Sibley, C Mammen and D Matsell, Vancouver, BC, Canada. *BC Children's Hospital*

11:00 TRYPTOPHAN PATHWAY ACTIVITY SPECIFIC TO ACUTE KIDNEY ALLOGRAFT REJECTION IN CHILDREN.
A Wong, L Wang, A Sharma, D Wishart and TD Blydt-Hansen, Edmonton, AB, Canada; Winnipeg, MB, Canada and Vancouver, BC, Canada. *University of British Columbia (WSPR)*

11:15 PROSTATE CANCER METASTATIC TO THE RENAL ALLOGRAFT.
A Alaini and K Servilla, Albuquerque, NM. *University of New Mexico*

Neuroscience II
Studio 105 (Sunset Center)
*Marie-Francois Chesselet, Presiding*

10:15 MULTIMODAL BRAIN IMAGING IN PATIENTS RECEIVING BRIGHT LIGHT THERAPY FOLLOWING A MILD TRAUMATIC BRAIN INJURY.
BR Shane, JR Vanuk, S Bajaj, M Millan and WD Killgore, Tucson, AZ. *University of Arizona*

10:30 THE RELATIONSHIP BETWEEN ABNORMAL WHITE MATTER CONNECTIONS AND WORKING MEMORY AND LANGUAGE ABILITY IN CHILDREN AT GENETIC RISK FOR SCHIZOPHRENIA.
Z Fitzgerald, A Lyall, O Pasternak, E Molokotos, O Lutz, R Mesholam-Gately, J Wojcik, B Brent, H Theremens, S Gabrieli, J Gabrieli, M Keshavan, M Kubicki and L Seidman, Boston, MA and Seattle, WA. *UWSOM (WAFMR/WAP Student Subspecialty Award Winner) (WSMRF)*

10:45 THE EFFECTS OF RETINOIC ACID ON MUTANT ISOCITRATE DEHYDROGENASE GLIOMA CELLS.
CM Tull, Seattle, WA. *University of Washington*

11:00 TUMOR NECROSIS FACTOR INCREASES EVOKED RESPONSE POTENTIAL
IN CO-CULTURES OF NEURONS AND GLIA IN VITRO.
MD Rockstrom and JM Krueger, Spokane, WA. University of Washington

Abstract 351

11:15 A SIGNAL-TO-NOISE RATIO METRIC FOR COGNITIVE PERFORMANCE ON THE PSYCHOMOTOR VIGILANCE TEST.
VP Chavali, S Riedy and H Van Dongen, Seattle, WA and Spokane, WA. University of Washington

Abstract 352

11:30 EYE MUSCLE SPASMS CO-ACTIVATE WITH CEREBELLAR AND SENSORIMOTOR CORTICAL REGIONS IN BLEPHAROSPASM.
AGlickman, E Shelton and B Berman, Denver, CO. University of Colorado School of Medicine (WSMRF)

Abstract 353

11:45 INTERACTION BETWEEN THE BASAL GANGLIA AND THE CEREBELLAR CIRCUITS IN PARKINSONIAN RESTING TREMOR.
PL Nguyen, E Shelton and B Berman, Denver, CO and Aurora, CO. University of Colorado (WSMRF)

Abstract 354

12:00 DISTINGUISHING GLIOBLASTOMA RECURRENCE FROM PSEUDOPROGRESSION WITH MAGNETIC RESONANCE IMAGING AND SPECTROSCOPY.
HK Caulkins and N Serkova, Monument, CO. University of Colorado School of Medicine (WSMRF)

Abstract 355

Surgery IV
Conductor's Room
Steve Arnsworth and Subhas Gupta, Presiding

10:15 CANCELLED

10:30 INTRAVENOUS LIDOCAINE REDUCES POST-OPERATIVE PAIN AND OPIATE REQUIREMENT IN PATIENTS UNDERGOING EXTERNAL FIXATION.
WB Koo, H Chhina and A Cooper, Vancouver, BC, Canada. University of British Columbia (WSMRF)

Abstract 357

10:45 RELATIONSHIP OF PERIOPERATIVE VARIABLES AND RENAL FUNCTION IN PEDIATRIC RENAL TRANSPLANTATION: A SINGLE-CENTER STUDY.
B Zheng, EM Carreras and AI Campbell, Langley, BC, Canada and Vancouver, BC, Canada. University of British Columbia

Abstract 358

11:00 CONSIDERATION OF LIMB LENGTH INEQUALITY IN THE TREATMENT
OF UPPER EXTREMITY PEDIATRIC BONE SARCOMA.
K Barber, C Beebe, C Anderson and T Heare, Denver, CO and Aurora, CO. University of Colorado School of Medicine

Abstract 359

11:15 OPTIMAL TIMING OF RADIATION IN IMPLANT BASED BREAST RECONSTRUCTION.
AL Kanna and H Kim, Loma Linda, CA. Loma Linda University

Abstract 360

11:30 THE SEARCH FOR A NOVEL HUMAN SKIN STERILANT.
M Lewis, AL Wong, BZ Schaeffer, B Bauer and G Botimer, Loma Linda, CA. Loma Linda University

Abstract 361

11:45 CANCELLED

12:00 PREOPERATIVE CAPTURE OF AMERICAN SOCIETY OF ANESTHESIOLOGY CLASS AND FUNCTIONAL HEALTH STATUS FOR THE SURGICAL RISK PREOPERATIVE ASSESSMENT SYSTEM.
DN Paz de Araujo, Aurora, CO. University of Colorado School of Medicine

Abstract 363

CANCELLED

12:15 TREATING MACULAR DEGENERATION WITH POLYACRYLONITRILE FIBERS.
J Hoang and J Olson, Denver, CO and Aurora, CO. University of Colorado School of Medicine

Abstract 364

INVESTIGATOR WORKSHOP
Friday, January 27, 2017
12:30 PM – 1:30 PM

The American Federation for Medical Research and the Tri-Societies are pleased to sponsor a workshop for Fellows and Junior Faculty. Additional charge of $10 and lunch will be provided.

HOW TO GET FUNDED: TIPS FROM A STUDY SECTION MEMBER
Amir Goldkorn, USC Keck School of Medicine
Panel Discussion with Carmel Research Prize Recipients:
Clyde Wright, University of Denver and Ajai Dandekar, University of Washington
Sunset Center – Green Room

12:30 PM – 1:30 PM

HOW TO CHOOSE A RESIDENCY WITH A RESEARCH FOCUS
Mark Whipple, University of Washington
Bring own lunch – Open to all students
Sunset Center – Chapman #4

62
JOINT PLENARY SESSION

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

Sunset Center Theater
Friday, January 27, 2017
1:30 PM – 4:30 PM

Alberta Kong and Philippe Montgrain, Presiding

1:30  WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD
FORMER PRETERM LAMBS HAVE NEURODEVELOPMENTAL IMPAIRMENTS LATER IN LIFE.
S Bowen, A Havlicak, C Jarratt, C Yost, E Dawson, J Beachy, M Dahl, D Null, B Yoder and K Albertine, Salt Lake City, UT; Davis, CA and New Hyde Park, NY. University of Utah (WSMRF)

Abstract 365

1:45  WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD
A PATIENT-CENTERED STUDY OF THE DIAGNOSIS AND CLINICAL CHARACTERISTICS OF JOUBERT SYNDROME.
MR Ruzhnikov, JJ Bear, MD Smith and D Knutzen, Stanford, CA; Denver, CO; Washington, DC; Cincinatti, OH and San Antonio, TX. Stanford University

Abstract 366

2:00  E.E. OSGOOD AWARD
SURVIVAL IN BRCA1 OR RAD51C METHYLATED VERSUS MUTATED OVARIAN CARCINOMA.
SS Bernards, KP Pennington, MI Harrell, KJ Agnew, BM Norquist and EM Swisher, Seattle, WA. University of Washington (WSMRF)

Abstract 367

2:15  WAFMR OUTSTANDING INVESTIGATOR AWARD
MEASURING UNMET NEEDS FOR ANTICIPATORY GUIDANCE AMONG ADOLESCENTS AT SCHOOL-BASED HEALTH CENTERS.
MM Ramos, R Sebastian, S Stumbo, J McGrath and G Fairbrother, Albuquerque, NM; Ft. Meyers, KY; Baltimore, MD and Washington, DC, WA. University of New Mexico (WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee) (WSPR)

Abstract 368

2:30  WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD
IMPACT OF THE PERINATAL ENVIRONMENT ON HEALTH AND THE

63
CHROMATIN LANDSCAPE.
Erin Zinkhan, University of Utah

3:00 – 3:15 pm Intermission

W. Conrad Liles and Frederick Buckner, Presiding

3:15  WSPR STANLEY WRIGHT MEMORIAL LECTURE
THE BEGINNING OF THE END OF CERVICAL CANCER.
Cosette Wheeler, University of New Mexico

3:45  WSCI OUTSTANDING INVESTIGATOR AWARD
FROM APOPTOSIS TO AUTOPHAGY IN ACUTE KIDNEY INJURY (AKI)
AND POLYCYSTIC KIDNEY DISEASE (PKD)
Charles L. Edelstein, University of Colorado Denver

4:15  WSCI MAYO SOLEY AWARD
Presenter: Edward Crandall, Keck School of Medicine of University of Southern California
Recipient: Zea Borok, Keck School of Medicine of University of Southern California

4:30  ADJOURN

4:30  WSPR BUSINESS MEETING
4:30  WSCI BUSINESS MEETING
Adolescent Medicine and General Pediatrics III
Rehearsal Room (Sunset Center)
Douglas Matsell and Kim Morishita, Presiding

8:00 ELICITING HEALTH NEEDS IN ORPHANED POPULATIONS: A PHOTOVOICE PROJECT IN NEPAL.
K Dullemond, J Zhang and C Courneya, Vancouver, BC, Canada. University of British Columbia

Abstract 369

8:15 A SKULL DEPRESSION IN A 9-MONTH OLD GIRL.
AE Galvis, A Shoo and AR Shedlock, Reno, NV. University of Nevada School of Medicine

Abstract 370

8:30 A COUGH WITH NO BREATH SOUNDS: A PRESENTATION OF AN ORPHAN CANCER.
AN Gray and R Manalo, Fresno, CA. University of California San Francisco, Fresno

Abstract 371

8:45 CORRELATION OF BLOOD LEAD LEVELS IN CHILDREN WITH AUTISM SPECTRUM DISORDER (ASD) AND ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD): A LITERATURE REVIEW.
JA Thach, R Ahn, N Baskaran, J Epstein, A Gomathinayagam, R Gupta and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine

Abstract 372
9:00 HIGH AMBIENT TEMPERATURES AS A CAUSE OF NEONATAL FEVER? INVESTIGATING THE ASSOCIATION BETWEEN ENVIRONMENTAL TEMPERATURE AND NEWBORN BODY TEMPERATURE.  
M Indart, K Vlasic and B Fassl, Salt Lake City, UT. University of Utah

9:15 EARLY INTRODUCTION OF FOOD ALLERGENS AND ITS EFFECTS ON DEVELOPING FOOD ALLERGIES.  
R Chow, E Kim, S Lin, A Liu, Y Nagpal, J Shin, A Soni and B Afghani, Chino, CA; Irvine, CA and Orange, CA. University of California, Los Angeles (WSMRF)

9:30 STERILE ABSCESES AFTER IMMUNIZATION WITH ALUMINUM-ADJUVANT BASED VACCINES.  
K Vargas, K Burke and W Dehority, Albuquerque, NM. University of New Mexico

9:45 AN EARLY PRESENTATION OF A COMMON MALFORMATION: AN INFANT WITH AN INFECTED THYRGLOSSAL CYST.  
AN Gray and D Ezroj, Fresno, CA. University of California San Francisco, Fresno

Break – 10:00 am – 10:15 am

Behavior and Development II
Chapman #4 (Sunset Center)
Kathleen Angkustsiri and Nicole Tartaglia, Presiding

8:00 COMPARISON OF LANGUAGE PATTERNS IN SPECIFIC LANGUAGE IMPAIRMENT AND HIGH FUNCTIONING AUTISM.  
M Craig and D Trauner, La Jolla, CA. University of California, San Diego School of Medicine (WSMRF)

8:15 EFFECTS OF YOGA ON ATTENTION, IMPULSIVITY AND HYPERACTIVITY IN PRESCHOOLERS.  
SC Cohen, D Harvey, R Shields, K Angkustsiri, J Schweitzer, R Hansen and D Tancredi, Sacramento, CA. University of California, Davis (WSPR)

8:30 SEX DIFFERENCES IN AUTISM SPECTRUM DISORDER.  
M White, CW Nordahl, K Angkustsiri and R Hansen, Sacramento, CA. UC Davis

8:45 EXPLORING PRELIMINARY RELATIONSHIPS OF PSYCHOLOGICAL SYMPTOMS TO ADAPTIVE FUNCTIONING IN TRIPLE X SYNDROME.  
K Wigby, L Cordeiro and N Tartaglia, San Diego, CA and Denver, CO. University of California San Diego (WSPR Mead Johnson Nutrition Travel Award Winner)
9:00 REPEATED ASSESSMENT OF NEUROMOTOR SKILLS IN FRAGILE X SYNDROME.
L Cordeiro, T Murnan-Stackhouse, J McGrew and N Tartaglia, Aurora, CO and Denver, CO. University of Colorado, Denver

Abstract 381

9:15 DOCUMENTATION OF SLEEP PROBLEMS IN CHILDREN WITH ASD AND ADHD: A DEVELOPMENTAL-BEHAVIORAL PEDIATRICS RESEARCH NETWORK STUDY.
DC Won, HM Feldman and LC Huffman, Stanford, CA. Stanford University

Abstract 382

9:30 MOTHER'S PARENTING STYLE AS MEDIATOR BETWEEN CHILDHOOD HYPERACTIVITY AND DISTRACTIBILITY AND ADOLESCENT RISK BEHAVIORS
T Nelson, P East and S Gahagan, San Diego, CA. University of California San Diego

Abstract 383

9:45 FACTORS PREDICTING POST CONCUSSIVE SYMPTOMS IN MILITARY SERVICE MEMBERS.
JT Maxwell, Federal Way, WA. University of Washington School of Medicine

Abstract 384

Break – 10:00 am – 10:15 am

Case Reports
Bingham Room #3 (Sunset Center)
David Gilbert, Presiding

8:00 COCCIDIOIDOMYCOSIS DISSEMINATION TO THE MASTOID BONE.
A Ammar, G Petersen, C Duffin and A Heidari, Bakersfield, CA. UCLA Kern Medical

Abstract 385

8:15 A CURIOUS PRESENTATION OF SALMONELLA TYPHI AS A HEPATIC ABSCESS.
FD Palacios, Bakersfield, CA. Rio Bravo Family Medicine Residency Program

Abstract 386

8:30 CASE REPORT OF A 5-MONTH-OLD INFANT DIAGNOSED WITH COBALAMIN C DEFICIENCY AFTER NORMAL NEWBORN SCREENING.
P Shah, T Cushing, R Heidenreich and Y Magdaleno, Albuquerque, NM. University of New Mexico School of Medicine

Abstract 387

8:45 "KILLING HIM SOFTLY" A UNIQUE UNVEILING OF INFECTIVE ENDOCARDITIS.
J Patel, H Abukamleh and A Heidari, Bakersfield, CA. Kern Medical
9:00  THIRSTY FOR MILK: BREASTFEEDING ASSOCIATED HYPERNATREMIC DEHYDRATION CAUSING RETINAL ISCHEMIA AND CEREBRAL SINOVENOUS THROMBOSIS.
  *J* Lewis, KN Kesavan and A Chu, Los Angeles, CA. *UCLA*

9:15  NOVEL PATHOGENIC MUTATION IN SLC25A42 CAUSING MITOCHONDRIAL DISEASE WITH SIGNIFICANT INTRAFAMILIAL VARIABILITY.
  *V* Triano and MM Martin, Sacramento, CA. *University of California Davis*

9:30  A REAL FOODIE AT HEART: A RARE CAUSE OF CARDIAC TAMPONADE.
  *H* Choy, L Lagos, E Ling, B Stripe, B Stauber and C Whitcomb, Sacramento, CA. *University of California Davis*

9:45  INTERRUPTED AORTIC ARCH DIAGNOSED IN A 57 YEAR OLD FEMALE WITH REFRACtORY HYPERTENSION.
  *KA* Dosani, Las Vegas, NV. *University of Nevada School of Medicine*

*Break – 10:00 am – 10:15 am*

Community Health II
Conductor's Room
Laurel Desnick, Presiding

8:00  EXPLORING HEALTH PERSPECTIVES OF THE ELDERLY POPULATION IN TETON COUNTY.
  *K* Brown, Bremerton, WA. *University of Washington School of Medicine*

8:15  ONE IN FIVE AT FRESNO HIGH: RAISING AWARENESS ABOUT TEEN DATING VIOLENCE AT A LARGE URBAN HIGH SCHOOL.
  *N* Medina, MC Men, JL Verdot, K Colwell and R Kinman, Fresno, CA. *Fresno High School*

8:30  DEMENTIA SCREENING INITIATIVE: PROVIDING DEMENTIA SCREENING AND COMMUNITY SUPPORT IN SHERIDAN, WYOMING.
  *C* Korpela, Seattle, WA. *University of Washington School of Medicine (WSMRF)*

8:45  PARTNER HEALING: COMBATING CHLAMYDIA AND GONORRHEA INFECTION IN THE NORTON SOUND REGION.
  *M* Stanley, Anchorage, AK. *University of Washington*
9:00  SURVEYING PERSPECTIVE ON MENTAL HEALTH AND SYMPTOM PREVALENCE IN THE VIETNAMESE COMMUNITY.
J Do, Tukwila, WA. University of Washington School of Medicine (WSMRF)

9:15  BULLYING - ARE PEDIATRICIANS DOING ENOUGH?
A Mo, M Rahman, F Lam and S Das, Las Vegas, NV. University of Nevada School of Medicine

9:30  LATINO HEALTH REPORT CARD, CITY OF LONG BEACH, CALIFORNIA.
NN Kapadia, Salt Lake City, UT and Long Beach, CA. University of Utah

9:45  KODIAK ATV SAFETY.
EL Dore, Anchorage, AK. University of Washington School of Medicine (WSMRF)

Break – 10:00 am – 10:15 am

General Internal Medicine and Aging
Babcock #6 (Sunset Center)
Maralyssa Bann, Presiding

8:00  USING A PERSONAL UV EXPOSURE MONITOR TO ASSESS HOW DIFFERENT FABRIC CHARACTERISTICS AND FABRIC TREATMENTS PROTECT FROM THE UV RAYS.
D Bui, M Notay, K Kauffman and R Sivamani, Sacramento, CA and Hanover, NH. University of California, Davis (WSMRF)

8:15  LINKING PATIENTS WITH BUPRENORPHINE TREATMENT IN PRIMARY CARE: PREDICTORS OF ENGAGEMENT.
C Simon and J Klein, Seattle, WA. University of Washington School of Medicine (WAFMR/WAP Student Subspecialty Award Winner)

8:30  PRETESTING NOVEL, PERSON-CENTERED FALL PREVENTION MESSAGES.
M Chua, EA Phelan and H Meischke, Bellevue, WA. University of Washington

8:45  GUMS AND DRUGS.
PD Kendal, J Vu and P Aronowitz, Sacramento, CA. UC Davis School of Medicine

9:00  ALL MYXED UP: AN UNUSUAL CAUSE OF STROKE.
9:15  A RARE CASE OF LENTIGINOUS MELANOMA.
A Haghshenas, S Tuthill and D Kothari, Westbury, NY and Beaufort, SC. Nassau
University Medical Center

Abstract 406

Break – 10:00 am – 10:15 am

Neonatology - Perinatal Biology II
Studio 105 (Sunset Center)
Megan Gossling and Jessie Maxwell, Presiding

8:00  STRUCTURAL AND DEVELOPMENTAL CHANGES IN THE BRAIN OF NORMAL LAMBS.
M Scadden, O Abdullah, K Zuspan, S Bowen, M Dahl, B Yoder, K Albertine and J Anderson, Salt Lake City, UT. University of Utah (WSPR Abbott Subspecialty Award Winner)(WSMRF)

Abstract 407

8:15  FAH GENE EDITING USING CRISPR/CAS9-MEDIATED REPAIR.
J Darnell, Q Zhang and M Grompe, Lebanon, OR and Portland, OR. Western University of Health Sciences (WSPR Abbott Subspecialty Award Winner)

Abstract 408

8:30  POSTNATAL CONFIRMATION OF MOSIAC TRISOMY 17 IN CARDIAC TISSUE IN AN INFANT WITH CONGENITAL HEART DISEASE: CASE REPORT AND REVIEW OF THE LITERATURE.
NN Derar, J Bernstein, N Gomez-Ospina and A Cherry, Stanford, CA. Stanford

Abstract 409

8:45  CHROMOSOME 15Q21.1 MICRODELETION ENCOMPASSING FIBRILLIN 1 (FBN1) IN A MOTHER AND CHILD WITH MINIMAL CLINICAL FEATURES OF MARFAN SYNDROME.
S Lozinsky, M Joseph, A Kochhar and JJ Shen, Fresno, CA and Madera, CA. Community Regional Medical Center

Abstract 410

9:00  IDENTIFICATION OF RARE WNT1 OSTEOPOROSIS PATIENT.
MK Haanpää, R Mäkitie and O Mäkitie, Palo Alto, CA; Turku, Finland and Helsinki, Finland. Stanford

Abstract 411

9:15  THE ROLE OF SMELL IDENTIFICATION TESTING IN MEDICAL GENETICS CLINIC.
S Dugan, N Mendelsohn, C Jungbluth and D Viskochil, Salt Lake City, UT and Minneapolis, MN. University of Utah

Abstract 412
9:30   SCHIMKE IMMUNOOsseOUS DYSPLASIA DIAGNOSIS AND MANAGEMENT OF HEADACHES AND RENAL INSUFFICIENCY.
DT Beleford and J Shieh, San Francisco, CA. University of California, San Francisco (WSPR)

Abstract 413

Break – 10:00 am – 10:15 am

Neonatology General V
Carpenter Hall
Alison Chu and Carlos Ramos, Presiding

8:00   TRANSITIONING TO ICD-10: THE CHANGING PATTERN OF PROCEDURES PERFORMED IN NEONATES NATIONWIDE.
T Chavez, A Song, P Friedlich and A Lakshmanan, Los Angeles, CA. Center for Fetal and Neonatal Medicine, Division of Neonatal Medicine, Children's Hospital Los Angeles and LAC+USC Medical Center, Keck School of Medicine, University of Southern California

Abstract 414

8:15   CHARACTERISTICS OF PREMATURE INFANTS WITH GRADE IV INTRAVENTRICULAR HEMORRHAGE WHO HAVE FAVORABLE OUTCOMES.
AT Bataan, J Scoble, M Underwood and C Patel, Sacramento, CA. UC Davis Medical Center

Abstract 415

8:30   THE IMPACT OF DELIVERY MODE ON MORTALITY OF PRETERM INFANTS BORN AT 22-24 WEEKS GESTATIONAL AGE.
C hayek, R Cayabyab and R Ramanathan, Los Angeles, CA. LAC+USC Medical Center

Abstract 416

8:45   A QUALITY IMPROVEMENT PROJECT: APPLICATION OF THE EARLY ONSET SEPSIS CALCULATOR IN A COUNTY NICU.
R Bruni, G Garbato and M Douglas-Escobar, Salinas, CA and Bologna, Italy. University of California San Francisco

Abstract 417

9:00   EXTRACORPOREAL MEMBRANE OXYGENATION (ECMO) FOR NEONATAL SEPSIS: PREDICTORS OF MORTALITY.
K Kramer, LA Lusk and RL Keller, San Francisco, CA. University of California San Francisco

Abstract 418

9:15   THE IMPACT OF THE BABY FRIENDLY HOSPITAL INITIATIVE ON NEONATAL HYPOGLYCEMIA.
W Barkhuff and T DuPont, Albuquerque, NM. University of New Mexico

Abstract 419
9:30 TRANSITIONING TO ICD-10: THE CHANGING PATTERN OF DIAGNOSES IN NEONATES NATIONWIDE.
A Song, T Chavez, P Friedlich and A Lakshmanan, Los Angeles, CA. Children's Hospital Los Angeles

Abstract 420

9:45 PREDICTIVE VALUE OF CORD BLOOD BILIRUBINS FOR PHOTOTHERAPY TREATMENT IN NEONATES AT RISK FOR MATERNAL-FETAL BLOOD GROUP INCOMPATIBILITY.
AR Castillo, G Wegrzy, VP Walker, T Grogan and KL Calkins, Los Angeles, CA and Maywood, IL. David Geffen School of Medicine at UCLA (WSMRF)

Abstract 421

Break – 10:00 am – 10:15 am

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

8:00 ECMO AS A BRIDGE TO LUNG TRANSPLANTATION DOES NOT NEGATIVELY IMPACT IMPROVEMENTS IN HEALTH RELATED QUALITY OF LIFE AFTER TRANSPLANT.
NKolaitis, D Huang, A Soong, P Shrestha, S Hays, J Kukreja and JP Singer, San Francisco, CA. University of California, San Francisco (California Thoracic Society Scholar Winner) (CTS)

Abstract 422

8:15 QUANTIFYING ANTIBIOTIC PRESSURE SCORES TO DETERMINE IMPACT ON ORAL AND FECAL MICROBIOME IN CRITICALLY ILL PATIENTS.
K Gorman, D McDonald and P Wischmeyer, Denver, CO and San Diego, CA. University of Colorado School of Medicine (WSMRF) (WAFMR Scholar Awardee)

Abstract 423

8:30 CANCELLED

8:45 THERAPEUTIC LARYNGOSCOPY DURING EXERCISE: A NOVEL NONSURGICAL THERAPY FOR REFRACTORY EXERCISE-INDUCED LARYNGEAL OBSTRUCTION.
JT Olin, E Deardorff, E Fan, K Johnston, V Keever, C Moore and B Bender, Denver, CO. National Jewish Health

Abstract 425

9:00 DIFFERENT PATTERNS OF LUNG INFLAMMATION AND INJURY IN RATS SUBJECTED TO HYPEROXIA EXPOSURE AND INTERLEUKIN-1/LIPOPOLYSACCHARIDE INSUFFLATION.
BW Saccomano, J Repine, PV Wilson, N Elkins, Q He, H Hamidu, A Fernandez-Bustamante and J Repine, Denver, CO. Webb-Waring Center at the University of Colorado School of Medicine

Abstract 426

72
INFUSING BONE MARROW CELLS FROM UNIQUE STRAIN OF HYPOXIA TOLERANT RATS REDUCES LUNG NEUTROPHIL INFLUX IN CONTROL RATS BREATHING HYPOXIA.

*BW Saccomano, K Repine, PV Wilson, Q He, H Hamidu, J Torres, J Newman, A Newman, W Wang, K Lehenbauer, K Baer, A Fernandez-Bustamante and J Repine,* Denver, CO. *Webb-Waring Center at University of Colorado School of Medicine*

**Abstract 427**

9:30  **State-of-the-Art Speaker**

A PULMONOLOGIST'S VIEW OF BIVENTRICULAR HEART FAILURE.

Judd Landsberg, *University of California San Diego & VA San Diego Healthcare System*

**Break – 10:00 am – 10:15 am**

**CONCURRENT SESSIONS**

Saturday, January 28, 2017

10:15 AM – 12:00 PM

*Jointly sponsored by*

WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH

WESTERN SOCIETY FOR CLINICAL INVESTIGATION

WESTERN ASSOCIATION OF PHYSICIANS

WESTERN SOCIETY FOR PEDIATRIC RESEARCH

WESTERN STUDENT MEDICAL RESEARCH FORUM

Health Care Research III ................................. Babcock #6
Hematology and Oncology III ............................. Green Room
Immunology and Rheumatology II ...................... Conductor’s Room
Neonatology General VI ................................. Carpenter Hall
Neuroscience III ........................................... Chapman #4

Health Care Research III

Babcock #6 (Sunset Center)

*Maralyssa Bann, Presiding*

10:15  **RELATIONSHIP BETWEEN ELECTRONIC MEDICAL RECORD USE AND NUMBER OF PLAINTIFF-WON MEDICAL MALPRACTICE LAWSUITS.**

*K Sigley, MM Franklin and D Brzusek, Yakima, WA. Pacific Northwest University*

**Abstract 428**

10:30  **PHYSICIAN ASSESSMENT OF BLINDED AdVERSE EVENTS IN RCTS IN CYSTIC FIBROSIS.**

*ME Wessels, N Mayer-Hamblett, BW Ramsey, S Heltsh, A Baines and CH Goss, Seattle, WA. University of Washington*
10:45 **DO STANDARDIZED INSULIN ORDERS REDUCE RATES OF SEVERE IN-HOSPITAL HYPOGLYCEMIA?**

*LM VanDyke, F Pham, E Kuhn and MR Burge, Albuquerque, NM and Long Beach, CA. University of New Mexico*

11:00 **EVALUATING CLINICAL EXPERIENCES OF PATIENTS AND PARENTS IN THE PEDIATRIC ORTHOPEDIC DEPARTMENT OUTPATIENT CLINIC.**

*A Cherukupalli, J Dunlop and C Reilly, Vancouver, BC, Canada. BC Children's Hospital*

11:15 **NON-OPERATIVE EMERGENCY REFERRALS AND W1 MANAGEMENT IN PEDIATRIC PLASTIC SURGERY.**

*B Giang, R Courtemanche and D Courtemanche, Burnaby, BC, Canada. University of British Columbia (WSMRF)*

11:30 **TEACHING THE MORPHOLOGY OF SMITHS FRACTURE INTEGRATING MULTIPLE MEDIUMS INCLUDING SECTRA AND ULTRASOUND.**

*J Woodall and B Benninger, Lebanon, OR. Western University of Health Sciences*

11:45 **TRIPLE STIMULATION INTEGRATES SURFACE ANATOMY LANDMARKS WITH ULTRASOUND IMAGING TO AUGMENT MEDICAL STUDENTS' PHYSICAL EXAMINATION SKILL.**

*K Crawford and B Benninger, Lebanon, OR. Western University of Health Sciences*

**Hematology and Oncology III**

Green Room (Sunset Center)

*Thomas Deloughery and Amir Goldkorn, Presiding*

10:15 **GNP4AT P.D519G IS INDEPENDENTLY ASSOCIATED WITH MARKEDLY INCREASED IRON STORES IN HFE P.C282Y HOMOZYGOTES.**

*GD McLaren, JC Barton¹, WChen², MJ Emond³, PD. Phatak⁴, V.N. Subramaniam⁵, P.C. Adams⁶, L.C. Gurrin⁶, G.J. Anderson⁸,⁹, GA Ramm⁸,⁹, LW Powell⁸,⁹, KJ Allen¹⁰, JD Phillips¹¹, CJ Parker¹¹, CE McLaren², University of California, Irvine, CA, ²University of Washington, Seattle, WA, ³Rochester General Hospital, Rochester, NY, ⁴University of California, Irvine, CA, ⁵University of Queensland, Brisbane, QLD, Australia, ⁶London Health Sciences Centre, London, ON, Canada, ⁷University of Melbourne, Melbourne, VIC, Australia, ⁸QIMR Berghofer Medical Research Institute, Brisbane, QLD, Australia, ⁹University of Queensland, Brisbane, QLD, Australia, ¹⁰Murdoch Children’s Research Institute, Melbourne, VIC, Australia, ¹¹University of Utah School of Medicine, Salt Lake. UT, Department of Veterans Affairs Long Beach Healthcare System, Long Beach, CA, United States. Irvine, CA. University of California, Irvine (WSCI Travel Award Winner) (WAP)*
10:30 DNA DAMAGE RESPONSE HETEROGENEITY AND CHORDOMA PHENOCLUSTERS.
SJ Simpson, AS Little, JM Eschbacher and AE Cress, Tucson, AZ and Phoenix, AZ. University of Arizona

10:45 CANCELLED

11:00 RETROSPECTIVE REVIEW OF CLINICAL OUTCOMES ASSOCIATED WITH NUTRITIONALLY COMPROMISED PATIENTS UNDERGOING HEMATOPOIEITIC STEM CELL TRANSPLANTATION.
ZI Harris, M Tomlinson, M Bratton and F Anwer, Tucson, AZ. The University of Arizona College of Medicine (WAFMR)

11:15 EXTRACTING MOLECULAR DIFFERENCES BETWEEN NORMAL B CELLS AND LYMPHOMA CELLS USING RAMAN SPECTROSCOPY.
MP Renner, M Agsalda-Garcia, A Misra, T Acosta-Maeda, T Shieh, R Oda and B Shiramizu, San Jose, United States Minor Outlying Islands; Los Altos Hills, CA and Honolulu, HI. John A. Burns School of Medicine

11:30 KINOME PROFILING REVEALS RETINOBLASTOMA-ASSOCIATED PROTEIN DEPENDENT CELL CYCLE REGULATION IN A CLINICALLY AGGRESSIVE SUBSET OF HISTOLOGICALLY BENIGN MENINGIOMA.
W Adidharma, C Parada and M Ferreira, Seattle, WA. University of Washington School of Medicine (WSMRF)

11:45 NOVEL MUTATION IN CD46 IN A CHILD WITH ATYPICAL HEMOLYTIC UREMIC SYNDROME (HUS).
C Joseph, J Brandt, A Staples, C Wong, A Pritchard and N Pourtabatabaei, Albuquerque, NM. University of New Mexico (WSPR)

Immunology and Rheumatology II
Conductor's Room
Kevin Deane and Jennifer Barton, Presiding

10:15 State-of-the-Art Speaker
HEALTH LITERACY AND RHEUMATIC DISEASE: TOOLS TO IMPROVE PATIENT ENGAGEMENT.
Jennifer Barton, Oregon Health Sciences University

10:45 RECRUITING FOR A PHASE I CLINICAL TRIAL TESTING TURMERIC DIETARY SUPPLEMENTS IN RHEUMATOID ARTHRITIS PATIENTS: GENERALIZABILITY TO A RHEUMATOID ARTHRITIS POPULATION.
CC Alfaara, J DeSalvo, M McCallum, L Hopkins, M Strom and J Funk, Tucson, AZ and Tempe, AZ. The University of Arizona College of Medicine

Abstract 436
Abstract 438
Abstract 439
Abstract 440
Abstract 441
Abstract 442
11:00 IDENTIFYING FACTORS INFLUENCING PARTICIPATION IN A RHEUMATOID ARTHRITIS (RA)-PREVENTION TRIAL: THE RESEARCH PARTICIPATIONS INFLUENCE (RPI) STUDY.
S White, C Fleischer and K Deane, Denver, CO. University of Colorado

11:15 ULTRAVIOLET B STIMULATED INFLAMMATORY RESPONSE MEDIATED BY STING IN SYSTEMIC LUPUS ERYTHEMATOSUS.
E Chiou and K Elkon, Brush Prairie, WA. University of Washington (WAFMR/WAP Student Subspecialty Award Winner)

11:30 AUTOANTIBODIES IN JUVENILE SYSTEMIC SCLEROSIS.
K Moore, M Fritzler and A Stevens, Aurora, CO; Calgary, AB, Canada and Seattle, WA. Children's Hospital Colorado (WSPR Mead Johnson Nutrition Junior Faculty Travel Awardee)

11:45 OUTCOMES OF AIRWAY RESPONSE FOLLOWING DUST EXTRACT TREATMENT ADMINISTERED POST-ALLERGEN SENSITIZATION.
A Abidov, J Gozdz, O Pivniouk, A Horner and D Vercelli, Tucson, AZ. University of Arizona

Neonatology General VI
Carpenter Hall
Josephine Enciso and Kalpashri Kesevan, Presiding

10:15 IMPROVING NEWBORN CARE IN RESOURCE POOR SETTINGS: EVALUATION OF A COMBINED TRAINING AND QUALITY IMPROVEMENT APPROACH.
K Vlasic, M Indart, C Stiglmeier, R Patel, M Patel, P Brahmmbhatt, C Maloney and B Fassl, Salt Lake City, UT and Mota Fofalia, India. University of Utah School of Medicine

10:30 PRETERM BIRTH AFTER TREATMENT OF MATERNAL METASTATIC MELANOMA WITH IMMUNOTHERAPEUTICS.
A Niemi, ME Foeller, A Yeaton-Massey, AC Fan, VD Winn and SR Hintz, Palo Alto, CA and Stanford, CA. Stanford Univ (WSPR)

10:45 THE ASSOCIATION OF TRANSITION TO HOME AND DEPRESSION IN LOW-INCOME MOTHERS AFTER NICU DISCHARGE.
I Kannan, A Yeh, N Flores, J Eshagian, P Friedlich and A Lakshmanan, Los Angeles, CA. LA County-USC; Children's Hospital Los Angeles

11:00 UTILIZATION PATTERNS OF EXTRACORPOREAL MEMBRANE OXYGENATION BETWEEN INBORN AND OUTBORN NEONATES IN THE
UNITED STATES.
V Contreras, A Song, K Fletcher, R Chapman, P Friedlich and A Lakshmanan, Los Angeles, CA. *Children's Hospital Los Angeles and LAC+USC Medical Center*

Abstract 450

11:15 EXTRACORPOREAL MEMBRANE OXYGENATION UTILIZATION BY MODE OF DELIVERY FROM 1997-2012.
K Fletcher, V Contreras, A Song, A Lakshmanan, P Friedlich and R Chapman, Los Angeles, CA. *LAC+USC Medical Center*

Abstract 451

11:30 IMPACT OF PARENTS' PRIMARY LANGUAGE ON COMMUNICATION IN THE NEONATAL INTENSIVE CARE UNIT.
MA Palau, MR Meier, JT Brinton and TA Parker, Aurora, CO. *University of Colorado School of Medicine (WSPR)*

Abstract 452

11:45 RELATIONSHIP BETWEEN SELF-EFFICACY AND PERFORMANCE IN NEONATAL RESUSCITATIVE TASKS.
L Donohue and K Hoffman, Sacramento, CA. *University of California Davis*

Abstract 453

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

10:15 WHITE MATTER MICROSTRUCTURE ON DIFFUSION MAGNETIC RESONANCE IMAGING IN 6-YEAR-OLD CHILDREN BORN PRETERM.
CK Dodson, KE Travis, HM Feldman and M Ben-Shachar, Stanford, CA and Ramat Gan, Israel. *Stanford University School of Medicine*

Abstract 454

10:30 AN OPEN LABEL STUDY OF ALLOPREGNANOLONE TREATMENT FOR FRAGILE X-ASSOCIATED TREMOR/ATAXIA SYNDROME.
NR Carrillo, A Trivedi, J Wang, J Yang, J Olichney and R Hagerman, Sacramento, CA and Davis, CA. *UC Davis, School of Medicine (WSMRF)*

Abstract 455

10:45 SEX DIFFERENCES IN THE HYPOTHALAMIC EXPRESSION OF DIACYCLGLYCEROL LIPASE α: IMPLICATIONS FOR THE CANNABINOID REGULATION OF ENERGY HOMEOSTASIS.
JA Hur and EJ Wagner, Palmdale, CA. *Western University of Health Sciences, College of Osteopathic Medicine of the Pacific, Pomona, CA (WAFMR Scholar Awardee)*

Abstract 456

11:00 FORMULATION AND CHARACTERIZATION OF A CURCUMINOID LOADED SOLID LIPID NANOPARTICLES.
E Zhao, S Fuchs and M Issar, Pomona, CA. *Western University of Health Sciences,*
11:15 THE ROLE OF THE GENITOFEMORAL NERVE IN INNERVATING THE ANTERIOR ABDOMINAL WALL IN FEMALES: A CADAVERIC CASE STUDY. JK Leroux, Lebanon, OR. Western University of Health Sciences COMP-NW

11:30 State-of-the-Art Speaker
CALPAIN-2: A NEW LINK BETWEEN TRAUMATIC BRAIN INJURY AND ALZHEIMER'S DISEASE.
Michel Baudry, Western University
### OFFICERS
#### 2016-2017

**Western Section American Federation for Medical Research**

<table>
<thead>
<tr>
<th>CHAIR</th>
<th>CHAIR-ELECT</th>
<th>SECRETARY/TREASURER</th>
</tr>
</thead>
</table>
| Philippe Montgrain  
*University of California San Diego* | Amir Goldkorn  
*University of Southern California* | Samrat Das  
*University of Nevada Las Vegas* |

<table>
<thead>
<tr>
<th>PAST-CHAIR</th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Kristina Utzschneider  
*University of Washington* |                         |                                  |

<table>
<thead>
<tr>
<th>COUNCILORS</th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Melanie Cree-Green  
*University of Colorado* | Mary Beth Hogan  
*University of Nevada Las Vegas* | Sidharth Mahapatra  
*University of Nebraska* |
| Xiaoguang Sun  
*University of Arizona* | Prasanth Surampudi  
*University of California Davis* | Ellen Schur  
*University of Washington* |
| Arthur Swislocki  
*VA Northern California* | Laren Tan  
*Loma Linda University* | Christof Westenfelder  
*University of Utah* |

### Western Society for Clinical Investigation

<table>
<thead>
<tr>
<th>PRESIDENT</th>
<th>PAST PRESIDENT</th>
<th>SECRETARY/TREASURER</th>
</tr>
</thead>
</table>
| Frederick S. Buckner  
*University of Washington* | Stephanie Page  
*University of Washington* | Kevin D. O’Brien  
*University of Washington* |

<table>
<thead>
<tr>
<th>COUNCILORS</th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| Keith Colburn  
*Loma Linda University* | April Stempien-Otero  
*University of Washington* | Michele Hamilton  
*Cedars-Sinai Medical Center* |
| Neda Rasouli  
*University of Colorado-Denver* | Charles Edelstein  
*University of Colorado-Denver* | Mark Unruh  
*University of New Mexico* |

### Western Association of Physicians

<table>
<thead>
<tr>
<th>PRESIDENT</th>
<th>PRESIDENT-ELECT</th>
<th>SECRETARY/TREASURER</th>
</tr>
</thead>
</table>
| W. Conrad Liles  
*University of Washington* | Peter Ganz  
*University of California, San Francisco* | Robert Ross  
*University of California, San Diego* |
|Joshua Goldhaber  
*Cedars-Sinai Heart Institute* | Jane Reusch  
*University of Colorado-Denver* |                                  |

<table>
<thead>
<tr>
<th>COUNCILORS</th>
<th></th>
<th></th>
</tr>
</thead>
</table>

79
Western Society for Pediatric Research

| PRESIDENT | Alberta Kong |
| University of New Mexico |
| PRESIDENT-ELECT | Roberta Keller |
| University of California, San Francisco |
| PAST PRESIDENT | Paul Rozance |
| University of Colorado |
| SECRETARY/TREASURER | Christian Con Yost |
| University of Utah |
| OF COUNCIL | Bill Hay, Jr. |
| University of Colorado |
| OF COUNCIL | Marilyn C. Jones |
| Children’s Hospital, San Diego |
| OF COUNCIL | Robin Ohls |
| University of New Mexico |
| COUNCILORS | Margaret Adam |
| University of Washington |
| Arlin Blood |
| Loma Linda University |
| Josephine Encisco |
| University of California, Los Angeles |
| Henry Lee |
| Stanford University |
| Lance Prince |
| University of California San Diego |
| Nicole Tartaglia |
| University of Colorado |
| Laura Brown |
| University of Colorado |
| Cherry Mammen |
| University of British Columbia |
| Craig Wong |
| University of New Mexico |

Western Student Medical Research Forum Officers

| 2016-2017 Chair | Brian Walker |
| University of Washington |
| School of Medicine |
| 2016-2017 Vice-Chair | Rachel Ancar |
| University of Colorado |
| Executive Co-Directors | Laurel Desnick |
| University of Washington |
| School of Medicine |
| Jorge Nieva |
| University of Southern California |
| Lead Administrator | Mary Lou Siebert |
| University of Washington |
| School of Medicine |
Disclosure Information

Those listed below have disclosed all financial relationships. Any real or apparent conflicts of interest (COI) related to the content of their presentations have been resolved.

<table>
<thead>
<tr>
<th>Name</th>
<th>Financial Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kurt Albertine</td>
<td>Shire Pharm:Grant Research Support</td>
</tr>
<tr>
<td>John Alexander</td>
<td>Emory Genetics Laboratory:Laboratory Director</td>
</tr>
<tr>
<td>Edward Barnes</td>
<td>DaVita HCP:Medical Directorship</td>
</tr>
<tr>
<td>Rita Basu</td>
<td>NovoNordisk:Grant support;Dexcom:Grant Support;AstraZenica:Grant Support</td>
</tr>
<tr>
<td>Daniel Bergman</td>
<td>Free Online Educational Resource: Dermatitis Academy:Public Health Scholar</td>
</tr>
<tr>
<td>Russel Bowler</td>
<td>Boehringer Ingelheim:Research Support;Boehringer Ingelheim:Advisory Board;GSK:Advisory Board;AstraZeneca:Advisory Board</td>
</tr>
<tr>
<td>Peter Castaldi</td>
<td>GSK:Research Support</td>
</tr>
<tr>
<td>Bryce Chackerian</td>
<td>Agilvax, Inc:equity stake holder</td>
</tr>
<tr>
<td>Marilyn Coors</td>
<td>Molson Coors Brewing Company:Spouse of the chairman</td>
</tr>
<tr>
<td>Marvin Fritzler</td>
<td>Inova Diagnostics Inc:Consultant;Euroimmun GmbH:Consultant</td>
</tr>
<tr>
<td>Markus Grompe</td>
<td>Yecuris:Inventor to Novus and Surface Tools</td>
</tr>
<tr>
<td>Michele Hamilton</td>
<td>Abbott Pharmaceuticals:Consultant;St. Jude Medical:Consultant (Travel)</td>
</tr>
<tr>
<td>Emil Holck</td>
<td>Elixir Medical:Research Support;Terumo Medical:Research Support</td>
</tr>
<tr>
<td>Ashley Horner</td>
<td>Johnson and johnson:Grant/research support</td>
</tr>
<tr>
<td>John Inadomi</td>
<td>Ninepoint (NIH): Research Support, ChemImage: Consultant</td>
</tr>
<tr>
<td>Sharon Jacob</td>
<td>Free Online Educational Resource: Dermatitis Academy:Outreach Scholar/CEO</td>
</tr>
<tr>
<td>Elizabeth Jimenez</td>
<td>Has a food security research grant from the General Mills Foundation.</td>
</tr>
<tr>
<td>Christine Johnston</td>
<td>Sanofi Pasteur:Research support;Genocea:Research Support;Vical:Research support;Agenus:Research Support;Novavax:Consultant</td>
</tr>
<tr>
<td>Stanley Jordan</td>
<td>Hansa:Grant &amp; Consultant;CSL-Behring:Grant &amp; Consultant;Genentech:Grant &amp; Consultant</td>
</tr>
<tr>
<td>Kalpashri Kesavan</td>
<td>UCLA CDI and TTCF funding</td>
</tr>
<tr>
<td>Jon Kobashigawa</td>
<td>Novartis:Grant/Research Support;CareDx:Grant/Research Support, Speaker's Bureau;Alexion Pharmaceuticals:Consultant;CSL Behringer, Consultant</td>
</tr>
<tr>
<td>Luisa Mestroni</td>
<td>Leducq Fondation TNE 14CVD03, NIH/NHLBI R01 HL116906: Research Support</td>
</tr>
<tr>
<td>Darin Neven</td>
<td>Emergency physician at Providence Sacred Heart Medical Center, where patients were given Suboxone:Partner in a private practice that staffs the ED</td>
</tr>
<tr>
<td>Bernard Ng</td>
<td>Antares Pharma, Inc.:Grant/research support</td>
</tr>
<tr>
<td>Jorge Nieva</td>
<td>Merck: Research Support; Epic Science: Stockholder</td>
</tr>
<tr>
<td>Daniel Nishijima</td>
<td>Pfizer:Consultant;Boehringer Ingelheim:Consultant;Jannsen pharmaceuticals:Consultant</td>
</tr>
<tr>
<td>Oksana Pivouk</td>
<td>Johnson and Johnson:Grant/research support</td>
</tr>
<tr>
<td>Andrew Pumerantz</td>
<td>HuAPumerantz&amp;Company LLC:CEO;WDI at WesternU:Inventor of the DXDI</td>
</tr>
<tr>
<td>Rangasamy Ramanathan</td>
<td>Neotech products:licensing agreement and joint patent holder and consultant</td>
</tr>
<tr>
<td>Suma Shankar</td>
<td>Emory Genetics Laboratory:Medical Consultant;Emory Genetics Laboratory:Medical Director</td>
</tr>
<tr>
<td>Nicole Tartaglia</td>
<td>Zynerba:Consultant;Neuren:Consultant</td>
</tr>
<tr>
<td>Donata Vercelli</td>
<td>Johnson and Johnson:Grant/research support</td>
</tr>
<tr>
<td>Anna Wald</td>
<td>Genoea:Research support;Vical:Research support;AiCuris:Consultant;GlaxoSmithKline:Consultant;Admedus:Travel support</td>
</tr>
</tbody>
</table>
The following presenters have disclosed that their presentations will involve comments or discussion concerning unapproved or off-label uses of a medical device or pharmaceuticals.

<table>
<thead>
<tr>
<th>Product to be discussed</th>
<th>Unapproved or off-label</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stan Jordan</td>
<td>IdeS</td>
</tr>
<tr>
<td>Kalpashri Kesavan</td>
<td>Vibration device</td>
</tr>
<tr>
<td>Rangasamy Ramanathan</td>
<td>Neotech Ram Nasal Cannula</td>
</tr>
</tbody>
</table>

unapproved
For apnea of prematurity
DR resuscitation

The following presenters have documented that they have no financial relationships to disclose and no COIs to resolve:

O Abdullah
Amir Abidov
Aya Abu-El-Haija
Hisham Abukamleh
Janelle Aby
Tayro Acosta-Maeda
Widya Adidharma
Behnoosh Afghani
Hemant Agarwal
Kathy Agnew
Melissa Agsalda-Garcia
Rachel Ahn
Haig Aintablian
Tamar Aintablian
Mary Margaret Ajiko
Ahmed Alaini
Mohammad Alajarmeh
David Alberts
Judith Albino
Neha Alety
Chelsea Alfafara
Mary Margaret Ajiko
Ahmed Alaini
Mohammad Alajarmeh
David Alberts
Judith Albino
Neha Alety
Chelsea Alfafara
Meredith Allain
K Allen
Michael Alley
Kimberly Allison
Jaime Almadoz
Norah Alsaleh
Alanoud Alshami
Muhammad Alsouf
Shazhan Amed
Ali Ammar
Daniel Amponsah
Alyce Anderson
Colin Anderson

Jeff Anderson
Kathleen Angkustsiri
Faiz Anwer
T Aoki
Lauren Arakawa
Jugpal Arneja
Cody Arnold
Paul Aronowitz
Melanie Ashland
Natasha Au
Nancy Augustine
Michelle Aurelius
Tali Azenkot
Timur Azhikbevok
Ashley Bach
Samantha Bacon
KA Baer
Vickie Baer
Leonard Bailey
Arthur Baines
Sahil Bajaj
Shawna Baker
Claire Baldauf
Madhurima Baliga
Craig Ballard
Robert Ballard
Alyson Banegas
Marlyssa Bann
Cheri Bantilan
Brent Barber
Kristina Barber
Trine Barkholt
Whittney Barkhuff
A. James Barkovich

David Barnes
Samuel Barnes
Taylor Barrett
Karine Barseghyan
Hubert Bartels
Peter Bartels
Brenda Bartnik-Olsen
Jennifer Barton
Lorayne Barton
Mariana Baserga
Nithyashri Baskaran
Andrea Bataan
Terry Batliner
Brendon Bauer
Maya Bauer
Marti Baum
Amy Baumgartner
J Beachy

Kathrin Bernt
Shilpa Bhatia
Pooja Bhatt
Arlin Bhattacharjee
Navin Bhopal
Amit Bhrany
Vinod Bhutani
Manoj Biniwale
Lynne Bird
Liga Bivina
Petter Bjornstad
Elizabeth Black
Sarah Black
Jennifer Blackwood
Geoffrey Blair
Jacob Blanco
Ian Blandford
Patrick Bloecher

Arlin Blood
Stefan Bluml
Tom Byldt-Hansen
Debra Bogen
Julie Boiko
Brittany Boorman
Lauren Borchers
Sivan Borenstein
Kelsey Boschart
Gary Botimer
Lorenzo Botto
Stephanie Bourque
S Bowen
Kristopher Boyle
Andrew Bradford
Pranav Brahmmbatt
<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Brandt</td>
<td>Rowena Cayabyab</td>
<td>Samantha Cohen</td>
<td>Megan Deissinger</td>
<td>Miguel del Campo</td>
</tr>
<tr>
<td>Rachael Branscomb</td>
<td>Hassan Chahine</td>
<td>Jeffery Coleman</td>
<td>Cassidy Delaney</td>
<td>R Dellaca</td>
</tr>
<tr>
<td>Simran Brar</td>
<td>Amber Chambers</td>
<td>Kelly Colwell</td>
<td>Alison Dempsey</td>
<td>Phillip Dennis</td>
</tr>
<tr>
<td>Katherine Braski</td>
<td>Belinda Chan</td>
<td>Lauren Colyer</td>
<td>Nada Derar</td>
<td>Mansi Desai</td>
</tr>
<tr>
<td>Michelle Bratton</td>
<td>Carmen Chan</td>
<td>Nick Connis</td>
<td>Janel DeSalvo</td>
<td>Sherin Devaskar</td>
</tr>
<tr>
<td>Ben Brent</td>
<td>Gary Chan</td>
<td>Vilma Contreras</td>
<td>Laurel Desnick</td>
<td>Anneloor Dierickx</td>
</tr>
<tr>
<td>John Brinton</td>
<td>Priscilla Chan</td>
<td>Maclean Cook</td>
<td>Olivia Ding</td>
<td>Jouke Dijkstra</td>
</tr>
<tr>
<td>Rachelle Bross</td>
<td>Rayleigh Chan</td>
<td>Anthony Cooper</td>
<td>Katrina Dipple</td>
<td>Julie Do</td>
</tr>
<tr>
<td>Kevin Brown</td>
<td>Ryan Chan</td>
<td>Jessica Copeland</td>
<td>Jessica Doan</td>
<td>Kaushal Dosani</td>
</tr>
<tr>
<td>Mark Brown</td>
<td>Tammy Chang</td>
<td>Scott Corbett</td>
<td>Cory Dodson</td>
<td>Martha Douglas-Escobar</td>
</tr>
<tr>
<td>Roberta Bruni</td>
<td>Yanni Chang</td>
<td>Lisa Cordeiro</td>
<td>Samuel Dominguez</td>
<td>Tshea Dowers</td>
</tr>
<tr>
<td>Daniel Brzusek</td>
<td>Jean-Pierre Chanoine</td>
<td>Daniella Cordero</td>
<td>Timothy Donahue</td>
<td>Paul Drain</td>
</tr>
<tr>
<td>Marija Bucevska</td>
<td>Rachel Chapman</td>
<td>Jason Coul</td>
<td>Jonathan Drezner</td>
<td>Ann Duerr</td>
</tr>
<tr>
<td>Fred Buckner</td>
<td>Danton Char</td>
<td>Carol-Ann Courneya</td>
<td>Christina Duffin</td>
<td>Kia Dullemond</td>
</tr>
<tr>
<td>Donna Bui</td>
<td>Stephanie Chassen</td>
<td>Douglas Courtmanche</td>
<td>Damian Duffy</td>
<td>Jennifer Dunlop</td>
</tr>
<tr>
<td>Mark Burge</td>
<td>Venkata Chavali</td>
<td>Rebecca Courtmanche</td>
<td>Sarah Dugan</td>
<td>Tara DuPont</td>
</tr>
<tr>
<td>Kaitlin Burke</td>
<td>Thomas Chavez</td>
<td>Alyssa Cox</td>
<td>Kia DuPont</td>
<td>Tara DuPont</td>
</tr>
<tr>
<td>Kevin Bush</td>
<td>Ruoya Chen</td>
<td>Leah Cox Thomas</td>
<td>Amanda Dupre</td>
<td>W. Suzanne Eidson-Ton</td>
</tr>
<tr>
<td>Eric Busto</td>
<td>Athena Cherry</td>
<td>Matthew Cox-Martin</td>
<td>Patricia East</td>
<td>Charles Edelstein</td>
</tr>
<tr>
<td>Brittany Butler</td>
<td>Abhiram Cherukupalli</td>
<td>Megan Craig</td>
<td>Charles Edelstein</td>
<td>Mark Ehrhart</td>
</tr>
<tr>
<td>Merlin Butler</td>
<td>Marawin Chheang</td>
<td>Kelly Crane</td>
<td>Mark Ehrhart</td>
<td>W. Suzanne Eidson-Ton</td>
</tr>
<tr>
<td>Sonia Butterworth</td>
<td>Harpreet Chhina</td>
<td>Kendall Crawford</td>
<td>Charles Edelstein</td>
<td>Charles Edelstein</td>
</tr>
<tr>
<td>Fergus Byrne</td>
<td>Ruth Chia</td>
<td>Brianna Crawley</td>
<td>N Elkins</td>
<td>Mark Ehrhart</td>
</tr>
<tr>
<td>Janice Byrne</td>
<td>Vincent Chiang</td>
<td>Anne Cress</td>
<td>Keith Elkon</td>
<td>W. Suzanne Eidson-Ton</td>
</tr>
<tr>
<td>Melissa Cadnapaphornchai</td>
<td>Wei-Chieh Chiang</td>
<td>Allison Crisp</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dylan Calame</td>
<td>Kaycee Ching</td>
<td>Elizabeth Cristiano</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kara Calkins</td>
<td>Edward Chiou</td>
<td>Cynthia Curry</td>
<td></td>
<td></td>
</tr>
<tr>
<td>David Campa</td>
<td>Mildred Cho</td>
<td>Katelyn Cusmanick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Andrew Campbell</td>
<td>Jua Choi</td>
<td>Tom Cushing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carmen Campbell</td>
<td>Okmi Choi</td>
<td>Anita Daihya</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kristen Campbell</td>
<td>Youna Choi</td>
<td>M Dahl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Richard Campbell</td>
<td>Christal Chow</td>
<td>Ajai Dandekar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sarah Campbell</td>
<td>Ryan Chow</td>
<td>Samrat Das</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insiyah Campwala</td>
<td>Ho-hin Choy</td>
<td>Tara Davidson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Daniel Cannon</td>
<td>Robert Christensen</td>
<td>Suzy Davies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Victor Cao</td>
<td>Uwe Christians</td>
<td>Shanlee Davis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arvind Caprihan</td>
<td>Evald Christians</td>
<td>Shareece Davis</td>
<td></td>
<td></td>
</tr>
<tr>
<td>John Carey</td>
<td>Alison Chu</td>
<td>E Dawson</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erick Carreras</td>
<td>Mindy Chua</td>
<td>Parul Dayal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nika Carrillo</td>
<td>Hallie Chung</td>
<td>Alanna De Mello</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adrian Castillo</td>
<td>Ralph Clark</td>
<td>Kevin Deane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Martin Castillo Cuadrado</td>
<td>Ryan Clark</td>
<td>Emily Deardorff</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tram Cat</td>
<td>Kyle Cleasby</td>
<td>Andrea DeBarber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marisa Catapang</td>
<td>Steven Cociardi</td>
<td>Lauren DeGroot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heather Caulkins</td>
<td>Gregory Coe</td>
<td>Walter Dehority</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

83
<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irmina Elliott</td>
<td>Michael Franklin</td>
<td>Kaitlin Gorman</td>
<td>Emily Harris</td>
<td></td>
</tr>
<tr>
<td>Joann Elmore</td>
<td>Philippe Friedlich</td>
<td>Christopher Goss</td>
<td>Spencer Harris</td>
<td></td>
</tr>
<tr>
<td>Josephine Enciso</td>
<td>Kathryn Frietze</td>
<td>Megan Gossling</td>
<td>Zoey Harris</td>
<td></td>
</tr>
<tr>
<td>Edgar Engleman</td>
<td>Sebastien Fuchs</td>
<td>Vanessa Gow-Lee</td>
<td>Blaine Hart</td>
<td></td>
</tr>
<tr>
<td>Jonathan Epstein</td>
<td>Kazumichi Fujioka</td>
<td>Justyna Gozdz</td>
<td>Danielle Harvey</td>
<td></td>
</tr>
<tr>
<td>Jennifer Eschbacher</td>
<td>Camille Fung</td>
<td>Leland Graves</td>
<td>Nahidh Hasaniya</td>
<td></td>
</tr>
<tr>
<td>Josephine Eshagian</td>
<td>Janet Funk</td>
<td>Ashley Gray</td>
<td>Michael Hashimoto</td>
<td></td>
</tr>
<tr>
<td>Gabriel Esmailian</td>
<td>John Gabrieli</td>
<td>Megan Gray</td>
<td>Aaron Hauck</td>
<td></td>
</tr>
<tr>
<td>Jacqueline Evans</td>
<td>Sue Gabrieli</td>
<td>Margaret Green</td>
<td>Thomas Haven</td>
<td></td>
</tr>
<tr>
<td>Jonathan Evans</td>
<td>Sheila Gahagan</td>
<td>Melanie Green</td>
<td>A Havlicak</td>
<td></td>
</tr>
<tr>
<td>Daniel Ezroj</td>
<td>Carolina Galarrreta Aima</td>
<td>Lisa Gresch</td>
<td>Cynthia Hayek</td>
<td></td>
</tr>
<tr>
<td>Omeed Faghih</td>
<td>Izabela Galdyn</td>
<td>Anastacia Griego</td>
<td>Steven Hays</td>
<td></td>
</tr>
<tr>
<td>Gerry Fairbrother</td>
<td>D Galli</td>
<td>Matthew Grinsell</td>
<td>Q He</td>
<td></td>
</tr>
<tr>
<td>Alice Fan</td>
<td>Alvaro Galvis</td>
<td>Tristan Grogan</td>
<td>Travis Heare</td>
<td></td>
</tr>
<tr>
<td>Elizabeth Fan</td>
<td>Dawn Gano</td>
<td>Theresa Grover</td>
<td>Arash Heidari</td>
<td></td>
</tr>
<tr>
<td>Erkang Fan</td>
<td>Peter Ganz</td>
<td>Sarah Gunby</td>
<td>Randall Heidenreich</td>
<td></td>
</tr>
<tr>
<td>Emily Farabee</td>
<td>Giorgia Garbato</td>
<td>Raj Gupta</td>
<td>Sonya Heltshie</td>
<td></td>
</tr>
<tr>
<td>Ellyn Farrelly</td>
<td>Nigel Garrett</td>
<td>Subhas Gupta</td>
<td>Alexander Hengel</td>
<td></td>
</tr>
<tr>
<td>Bababunmi Fashola</td>
<td>Judy Gates</td>
<td>Kamal Gurung</td>
<td>Alexander Hengel</td>
<td></td>
</tr>
<tr>
<td>Bernhard Fassl</td>
<td>Christopher Gayer</td>
<td>Kurt Gustin</td>
<td>Erick Henry</td>
<td></td>
</tr>
<tr>
<td>Jane Fazio</td>
<td>Shili Ge</td>
<td>Irie Guthrie</td>
<td>R Hicks</td>
<td></td>
</tr>
<tr>
<td>Ian Feitosa</td>
<td>Pauline Genter</td>
<td>Eutiquio Gutierrez</td>
<td>Derrek Hidalgo</td>
<td></td>
</tr>
<tr>
<td>Marcia Feldkamp</td>
<td>Mark Gerich</td>
<td>Maria Haanpää</td>
<td>Harry Hill</td>
<td></td>
</tr>
<tr>
<td>Heidi Feldman</td>
<td>Bahareh Ghafarizadeh</td>
<td>Mark Haas</td>
<td>Anthony Hilliard</td>
<td></td>
</tr>
<tr>
<td>Heidi Feldman</td>
<td>Bethanie Giang</td>
<td>D.A. Haas-Kogan</td>
<td>Oscar Hines</td>
<td></td>
</tr>
<tr>
<td>Jace Felix</td>
<td>Philip Giddings</td>
<td>Hilary Haber</td>
<td>Susan Hintz</td>
<td></td>
</tr>
<tr>
<td>Yelena Fenik</td>
<td>Trupti Gilada</td>
<td>Randi Hagerman</td>
<td>Daniel Hippe</td>
<td></td>
</tr>
<tr>
<td>Erika Fernandez</td>
<td>Megan Gilbert</td>
<td>Arezoo Haghshenas</td>
<td>Madieson Hix</td>
<td></td>
</tr>
<tr>
<td>A Fernandez-Bustamante</td>
<td>Carson Gill</td>
<td>Michael Haight</td>
<td>Eugenia Ho</td>
<td></td>
</tr>
<tr>
<td>Manuel Ferreira</td>
<td>J. Gillespie</td>
<td>Marwa Hakimi</td>
<td>Johnny Hoang</td>
<td></td>
</tr>
<tr>
<td>Donna Ferriero</td>
<td>Mark Girgis</td>
<td>Megan Hall</td>
<td>Kristin Hoffman</td>
<td></td>
</tr>
<tr>
<td>Linda Ferry</td>
<td>Dilip Giri</td>
<td>Douglas Hammam</td>
<td>Mary Beth Hogan</td>
<td></td>
</tr>
<tr>
<td>Rafael Firszt</td>
<td>Paresh Giri</td>
<td>Laura Halperin</td>
<td>Seth Hollander</td>
<td></td>
</tr>
<tr>
<td>Rotem Fishel Ben Kenan</td>
<td>Hellen Guthira</td>
<td>Eitan Halper-Stromberg</td>
<td>Niels Holm</td>
<td></td>
</tr>
<tr>
<td>Emilia Fisher</td>
<td>Amanda Glickman</td>
<td>H Hamidu</td>
<td>G Honey</td>
<td></td>
</tr>
<tr>
<td>Zachary Fitzgerald</td>
<td>Barbu Gociman</td>
<td>David Hamilton</td>
<td>Christen Hopfer</td>
<td></td>
</tr>
<tr>
<td>Chelsie Fleischer</td>
<td>Donna Goff</td>
<td>Mohamed Hammami</td>
<td>Laura Hopkins</td>
<td></td>
</tr>
<tr>
<td>Kory Fleming</td>
<td>Amir Goldkorn</td>
<td>Bo Hang</td>
<td>Andrew Hopper</td>
<td></td>
</tr>
<tr>
<td>Robert Fleming</td>
<td>Amogh Gomathinayagam</td>
<td>Christine Hann</td>
<td>Femke Horn</td>
<td></td>
</tr>
<tr>
<td>Kathryn Fletcher</td>
<td>Natalia Gomez-Ospina</td>
<td>Robin Hansen</td>
<td>Waheeda Hossain</td>
<td></td>
</tr>
<tr>
<td>Nicole Flores</td>
<td>Sean Gonzales</td>
<td>Jeannette Hansen Rejali</td>
<td>Kristy Howard</td>
<td></td>
</tr>
<tr>
<td>Megan Foeller</td>
<td>Danessa Gonzalez</td>
<td>Kimberly Harmon</td>
<td>Stacey Howell</td>
<td></td>
</tr>
<tr>
<td>Susan Folsom</td>
<td>Jonathan Goorhuis</td>
<td>Ronald Harper</td>
<td>Kai-Hsiang Hsu</td>
<td></td>
</tr>
<tr>
<td>Gretchen Foskett</td>
<td>Brent Gordon</td>
<td>Maribel Harrell</td>
<td>Albert Huang</td>
<td></td>
</tr>
<tr>
<td>Daniel Frank</td>
<td>Rachael Gordon</td>
<td>Ashley Harris</td>
<td>Cynthia Huang</td>
<td></td>
</tr>
</tbody>
</table>
Elizabeth Loi
Islam Loma Linda University
Sabrina Louie
Christina Lovato
Jon Love
Luke Lovro
Jean Lowe
Shannon Lozinsky
Yang Lu
Carvy Luceno
Leslie Lusk
Olivia Lutz
Michael Luu
Amanda Lyall
Melody Maarouf
Caroline MacCallum
Ellen Mack
Tia Mackintosh
Rebecca MacLean-Angus
Deepti Mathur
Douglas Matsell
Michael Matthay
Braden Mattison
Jacques Maxwell
Jessie Maxwell
Nicole Mayer-Hamblett
Grant McAuley
Mia McCallum
Robert McCarron
Robert McCully
Daniel McDonald
Kaitlin McGougan
Aubriana McEvoy
Patrick McGee
Maria McGowan
Jane McGrath
Jamie McGrew
Sarah McKeown
Monica McKeown
Gordon McLaren
Claire McLean
Martin McMahon
Eoin McNamee
Kate McWilliams
Nayeli Medina
Huang Meei-Li
Edin Mehic
Maxene Meier
Stephanie Meier
Hendrika Meischke
Merada Men
Deveer Menchaca
Nancy Mendelsohn
Khalil Merali
Raquel Mesholam-Gately
Emily Meyers
Alex Mezei
Katherine Miao
C Miers
John Miles
Laura Miles
Melissa Millan
Catherine Milner
Adam Min
Parviz Minoo
Anupam Misra
Ashley Mo
Tahreen Mohamed
Adeba Mohammed
Elena Molokotos
Philippe Montgrand
Camille Moore
Katharine Moore
Kimberly Morishita
Elaine Morrato
Sylvester Moses
Apurba Mukherjee
Richik Mukherjee
Hemananda Muniraman
B Muniyappa
Augustine Munoz
Lee-Ann Murata
Tracey Murman-Stackhouse
Kristene Myklak
Kristen Nadeau
Yash Nagpal
Hiromi Nakamura
Angele Nalbandian
Cynthia Nast
JoAnne Natale
Peter Nathanielsz
thodoras nelson
Jennifer Newcomb
Brad Newcomer
A Newman
J Newman
Lindsey Newnes
Paul Nghiem
Caroline Nguyen
H. Bryant Nguyen
Hieu Nguyen
Michelle Nguyen
Phuong Nguyen
Tri Nguyen
Yona Nicolau
Anna-Kaisa Niemi
Thomas Nighswander
Keith Nishihara
Shahab Noori
Christine Nordahl
Barbara Norquist
Jeffrey Northey
Manisha Notay
Kristen Nowak
Eva Nozik-Grayck
D Null
Maureen Nwaokoro
Bryan Nycz
Melanie Oakes
Elizabeth O'Brien
Cesar Ochoa
Robert Oda
Robin Ohls
Richard Okamura
John Olichney
J. Olin
Jeffrey Olson
Ryan O'Malley
Oren Ombo
T. Michael O'Shea
Mariliis Ott
Ayman Oweida
Fernando Palacios
Mauricio Palau
Katherine Palmer
Ryan Palsma
Ashini Panchal
Christopher Pannucci
Carolina Parada
Aarushi Parekh
Esther Park
James Parker
Thomas Parker
Julia Parrish
Brian Pasi
Ofer Pasternak
Charmi Patel
Chirag Patel
Janushe Patel
Meghna Patel
Reena Patel
Shrena Patel
Francesca Paterno
Julie Pauwels
Lisa Stellwagen
Anne Stevens
Heather Stevens
David Stevenson
David Stevenson
Andrew Stewart
Caitlin Stiglmeyer
Katrina Stime
Kimberly Stowers
Kyleigh Strickland
Benjamin Stripe
Meghan Strom
Katie Stromgren
Gina Stroud
Scott Stumbo
Jacob Stuppy
Eric Suh
Rachel Sun
Courtney Swantek
Adam Sweeney
Hilary Swift
Elizabeth Swisher
Seesha Takagishi
Colin Tan
Laren Tan
Daniel Tancredi
Andy Tang
Wesley Tang
Alison Taylor
Theodore Teichman
Paula Tellez
Julian Thach
Heidi Thermenos
Hannah Thomas
Andrew Thorburn
Zoe Thuesmunn
Jessica Thurston
Hongwei Tian
Joseph Ting
Lorna Tolentino
Joanna Tomaszewski
Angelo Tomedi
Margaret Tomlinson
Carrie Torr
Edwin Torres
J Torres
Mieko Toyoda
Christina Tran
Doris Trauner
Katherine Travis
Brandon Tresenriter
Isis Trevenzoli
vivien Triano
Aditi Trivedi
Ashley Trumpe
Uyen Truong
Ryan Tucker
Christina Tull
Summer Tuthill
Heidi Tyrrell
Jon Tyson
Rachel Umoren
Mark Underwood
Kayla Unsell
Kristina Utzschneider
Catherine Uyehara
Hans Van Dongen
Aaron Van Slyke
Lindsey VanDyke
Johnny Vanuk
Keith Vargas
Marcelo Vazquez
Marcelo Vazquez
C Veneroni
Cynthia Verchere
Jessalynne Verdot
Timothy Vigers
Dave Viskochil
Jayashri Viswanathan
Kajsa Vlastic
Ashley Vo
Janelle Vu
Paul Wadwa
Edward Wagner
Anna Wald
Brian Walker
Cheryl Walker
Naomi Walker
Valencia Walker
Tamara Wall
Vanessa Wall
Megaan Walsh
Elizabeth Walters
Carolyn Wang
Evelyn Wang
Haimei Wang
Jun Yi Wang
Li Wang
Wilson Wang
Z Wang
Diane Ward
Jon Watchko
Kristi Wattleberg
Donald Weaver
Kimberlee Weaver Lewis
Gracelene Wegrzyn
Lan Weiss
Tyler Werbel
Fiona Wertheimer
Stephanie Wesolowski
Madeline Wessels
Cosette Wheeler
Mark Whipple
Charles Whitcomb
Carter White
Lindsay White
Morgan White
Sharon White
Emily Whitgob
Susan Wiedmeier
Kristen Wigby
Diane Wilcock
Samantha Williams
Jennifer Williams
Paul Wilson
Virginia Winn
Lena Winstedt
Catherine Winter
Paul Wischmeyer
Christian Wiscombe
David Wishart
Jessica Wisnowski
Marlys Witte
Joanne Wojcik
Katherine Wolpert
Dana Won
Alexander Wong
Alison Wong
Craig Wong
Kelsey Wong
Ronald Wong
Kevin Woo
Jessica Woodall
Kim Woodbury
Timothy Woodiwiss
Jennifer Wooley
Clyde Wright
Andrew Wroe
Peter Wu
Tai-Wei Wu
James Wykowski
Guibo Xing
Kristen Yabuno
Jin Yang
Jin-Chen Yang
Patrick Yang
Qian-Zhou Yang
Zhuoyin Yang
Amanda Yeaton-Massey
Amy Yeh
Matthew Yeh
Ahmad Yehya
Tracylyn Yellowhair
Jordan Yeo
Ron Yeo
Grace Yi
Bradley Yoder
Miya Yoshida
C Yost
Susan Young
Michael Yozwiak
Sylvester Yue
Ben Zaniello
Philip Zeitler
Christina Zhang
Chunyu Zhang
Jingfei Zhang
Mei Zhang
Naming Zhang
Qingshuo Zhang
Xiaohai Zhang  
Yizhi Zhang  
Zhang Zhangsheng  
Evan Zhao  

Hui Zhao  
James Zhao  
Boyuan Zheng  
Vivian Zhou  

Erin Zinkhan  
Irena Zivkovic  
K Zuspan
<table>
<thead>
<tr>
<th>Prog#</th>
<th>Poster #</th>
<th>Pres FN</th>
<th>Pres LN</th>
<th>Prog#</th>
<th>Poster #</th>
<th>Pres FN</th>
<th>Pres LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>446</td>
<td></td>
<td>Amir</td>
<td>Abidov</td>
<td>367</td>
<td></td>
<td>Sarah</td>
<td>Bernards</td>
</tr>
<tr>
<td>172</td>
<td>18</td>
<td>Ali</td>
<td>Abu-Alya</td>
<td>160</td>
<td>6</td>
<td>Lynsey</td>
<td>Bernfeld</td>
</tr>
<tr>
<td>335</td>
<td></td>
<td>Aya</td>
<td>Abu-El-Haija</td>
<td>117</td>
<td></td>
<td>Pooja</td>
<td>Bhatt</td>
</tr>
<tr>
<td>35</td>
<td></td>
<td>Hisham</td>
<td>Abukamleh</td>
<td>72</td>
<td></td>
<td>Arlin</td>
<td>Bhattacharjee</td>
</tr>
<tr>
<td>45</td>
<td></td>
<td>Hisham</td>
<td>Abukamleh</td>
<td>112</td>
<td></td>
<td>Navin</td>
<td>Bhopal</td>
</tr>
<tr>
<td>440</td>
<td></td>
<td>Widya</td>
<td>Adidharma</td>
<td>263</td>
<td></td>
<td>Navin</td>
<td>Bhopal</td>
</tr>
<tr>
<td>38</td>
<td></td>
<td>Haig</td>
<td>Aintablian</td>
<td>63</td>
<td></td>
<td>Elizabeth</td>
<td>Black</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Tamar</td>
<td>Aintablian</td>
<td>21</td>
<td></td>
<td>Sarah</td>
<td>Black</td>
</tr>
<tr>
<td>347</td>
<td></td>
<td>Ahmed</td>
<td>Alaini</td>
<td>295</td>
<td></td>
<td>Jacob</td>
<td>Blanco</td>
</tr>
<tr>
<td>442</td>
<td></td>
<td>Chelsea</td>
<td>Alafara</td>
<td>92</td>
<td></td>
<td>Patrick</td>
<td>Blocher</td>
</tr>
<tr>
<td>331</td>
<td></td>
<td>Meredith</td>
<td>Allain</td>
<td>346</td>
<td></td>
<td>Tom</td>
<td>Blydt-Hansen</td>
</tr>
<tr>
<td>52</td>
<td></td>
<td>K</td>
<td>Allen</td>
<td>311</td>
<td></td>
<td>Julie</td>
<td>Boiko</td>
</tr>
<tr>
<td>89</td>
<td></td>
<td>Michael</td>
<td>Alley</td>
<td>291</td>
<td></td>
<td>Lauren</td>
<td>Borchers</td>
</tr>
<tr>
<td>258</td>
<td></td>
<td>Norah</td>
<td>Alsaleh</td>
<td>122</td>
<td></td>
<td>Sivan</td>
<td>Borenstein</td>
</tr>
<tr>
<td>77</td>
<td></td>
<td>Ali</td>
<td>Ammar</td>
<td>5</td>
<td></td>
<td>Kelsey</td>
<td>Boschert</td>
</tr>
<tr>
<td>157</td>
<td>3</td>
<td>Ali</td>
<td>Ammar</td>
<td>64</td>
<td></td>
<td>Stephanie</td>
<td>Bourque</td>
</tr>
<tr>
<td>171</td>
<td>17</td>
<td>Ali</td>
<td>Ammar</td>
<td>127</td>
<td></td>
<td>Stephanie</td>
<td>Bourque</td>
</tr>
<tr>
<td>329</td>
<td></td>
<td>Ali</td>
<td>Ammar</td>
<td>118</td>
<td></td>
<td>S</td>
<td>Bowen</td>
</tr>
<tr>
<td>385</td>
<td></td>
<td>Ali</td>
<td>Ammar</td>
<td>365</td>
<td></td>
<td>Sydney</td>
<td>Bowen</td>
</tr>
<tr>
<td>79</td>
<td></td>
<td>Daniel</td>
<td>Amponsah</td>
<td>17</td>
<td></td>
<td>Simran</td>
<td>Brar</td>
</tr>
<tr>
<td>265</td>
<td></td>
<td>Toshio</td>
<td>Aoki</td>
<td>114</td>
<td></td>
<td>Katherine</td>
<td>Braski</td>
</tr>
<tr>
<td>237</td>
<td></td>
<td>Lauren</td>
<td>Arakawa</td>
<td>342</td>
<td></td>
<td>Katherine</td>
<td>Braski</td>
</tr>
<tr>
<td>120</td>
<td></td>
<td>Cody</td>
<td>Arnold</td>
<td>29</td>
<td></td>
<td>Rachelle</td>
<td>Bross</td>
</tr>
<tr>
<td>69</td>
<td></td>
<td>Natasha</td>
<td>Au</td>
<td>393</td>
<td></td>
<td>Kevin</td>
<td>Brown</td>
</tr>
<tr>
<td>185</td>
<td>31</td>
<td>Grace</td>
<td>Averitt</td>
<td>417</td>
<td></td>
<td>Roberta</td>
<td>Bruni</td>
</tr>
<tr>
<td>42</td>
<td></td>
<td>Tali</td>
<td>Azenkot</td>
<td>401</td>
<td></td>
<td>Donna</td>
<td>Bui</td>
</tr>
<tr>
<td>137</td>
<td></td>
<td>Ashley</td>
<td>Bach</td>
<td>155</td>
<td>1</td>
<td>Kaitlin</td>
<td>Burke</td>
</tr>
<tr>
<td>270</td>
<td></td>
<td>Claire</td>
<td>Baldauf</td>
<td>375</td>
<td></td>
<td>Kaitlin</td>
<td>Burke</td>
</tr>
<tr>
<td>230</td>
<td></td>
<td>Madhurima</td>
<td>Baliga</td>
<td>113</td>
<td></td>
<td>Brittany</td>
<td>Butler</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Alyson</td>
<td>Banegas</td>
<td>103</td>
<td></td>
<td>Dylan</td>
<td>Calame</td>
</tr>
<tr>
<td>54</td>
<td></td>
<td>Cheri</td>
<td>Bantilan</td>
<td>202</td>
<td>48</td>
<td>Rebecca</td>
<td>Campbell</td>
</tr>
<tr>
<td>359</td>
<td></td>
<td>Kristina</td>
<td>Barber</td>
<td>73</td>
<td></td>
<td>Insiyah</td>
<td>Campwala</td>
</tr>
<tr>
<td>419</td>
<td></td>
<td>Whitney</td>
<td>Barkhuff</td>
<td>148</td>
<td></td>
<td>Insiyah</td>
<td>Campwala</td>
</tr>
<tr>
<td>125</td>
<td></td>
<td>Karine</td>
<td>Barseghyan</td>
<td>334</td>
<td></td>
<td>John</td>
<td>Carey</td>
</tr>
<tr>
<td>415</td>
<td></td>
<td>Andrea</td>
<td>Bataan</td>
<td>455</td>
<td></td>
<td>Nika</td>
<td>Carrillo</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td>Maya</td>
<td>Bauer</td>
<td>421</td>
<td></td>
<td>Adrian</td>
<td>Castillo</td>
</tr>
<tr>
<td>126</td>
<td></td>
<td>Lauren</td>
<td>Beard</td>
<td>57</td>
<td></td>
<td>Martin</td>
<td>Castillo Cuadrado</td>
</tr>
<tr>
<td>123</td>
<td></td>
<td>Lauren</td>
<td>Beeder</td>
<td>228</td>
<td></td>
<td>Marisa</td>
<td>Catapang</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Wubishet</td>
<td>Belay</td>
<td>229</td>
<td></td>
<td>Marisa</td>
<td>Catapang</td>
</tr>
<tr>
<td>413</td>
<td></td>
<td>Daniyah</td>
<td>Beleford</td>
<td>355</td>
<td></td>
<td>Heather</td>
<td>Caulkings</td>
</tr>
<tr>
<td>108</td>
<td></td>
<td>Brion</td>
<td>Benninger</td>
<td>186</td>
<td>32</td>
<td>Rajinderpal</td>
<td>Chahal</td>
</tr>
<tr>
<td>139</td>
<td></td>
<td>Brion</td>
<td>Benninger</td>
<td>187</td>
<td>33</td>
<td>Hassan</td>
<td>Chahine</td>
</tr>
<tr>
<td>Prog#</td>
<td>Poster #</td>
<td>Pres FN</td>
<td>Pres LN</td>
<td>Prog#</td>
<td>Poster #</td>
<td>Pres FN</td>
<td>Pres LN</td>
</tr>
<tr>
<td>-------</td>
<td>----------</td>
<td>---------</td>
<td>---------</td>
<td>-------</td>
<td>----------</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>74</td>
<td>Carmen</td>
<td>Chan</td>
<td>10</td>
<td>7</td>
<td>Olivia</td>
<td>Ding</td>
<td></td>
</tr>
<tr>
<td>303</td>
<td>Rayleigh</td>
<td>Chan</td>
<td>397</td>
<td>7</td>
<td>Julie</td>
<td>Do</td>
<td></td>
</tr>
<tr>
<td>325</td>
<td>Yanni</td>
<td>Chang</td>
<td>7</td>
<td>7</td>
<td>Jessica</td>
<td>Doan</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Danton</td>
<td>Char</td>
<td>454</td>
<td>4</td>
<td>Cory</td>
<td>Dodson</td>
<td></td>
</tr>
<tr>
<td>273</td>
<td>Stephanie</td>
<td>Chassen</td>
<td>453</td>
<td>6</td>
<td>Lee</td>
<td>Donohue</td>
<td></td>
</tr>
<tr>
<td>352</td>
<td>Venkata</td>
<td>Chavali</td>
<td>400</td>
<td>5</td>
<td>Ellen</td>
<td>Dore</td>
<td></td>
</tr>
<tr>
<td>414</td>
<td>Thomas</td>
<td>Chavez</td>
<td>392</td>
<td>12</td>
<td>Kaushal</td>
<td>Dosani</td>
<td></td>
</tr>
<tr>
<td>124</td>
<td>Ruoya</td>
<td>Chen</td>
<td>412</td>
<td>12</td>
<td>Sarah</td>
<td>Dugan</td>
<td></td>
</tr>
<tr>
<td>143</td>
<td>Wilson</td>
<td>Chen</td>
<td>369</td>
<td>14</td>
<td>Kia</td>
<td>Dullemond</td>
<td></td>
</tr>
<tr>
<td>145</td>
<td>Wilson</td>
<td>Chen</td>
<td>344</td>
<td>14</td>
<td>Charles</td>
<td>Edelstein</td>
<td></td>
</tr>
<tr>
<td>431</td>
<td>Abhiram</td>
<td>Cherukupalli</td>
<td>19</td>
<td>431</td>
<td>Abhiram</td>
<td>Cherukupalli</td>
<td>19</td>
</tr>
<tr>
<td>241</td>
<td>Kaycee</td>
<td>Ching</td>
<td>135</td>
<td>241</td>
<td>Kaycee</td>
<td>Ching</td>
<td></td>
</tr>
<tr>
<td>444</td>
<td>Edward</td>
<td>Chiou</td>
<td>162</td>
<td>241</td>
<td>Mark</td>
<td>Ehrhart</td>
<td></td>
</tr>
<tr>
<td>444</td>
<td>Edward</td>
<td>Chiou</td>
<td>162</td>
<td>283</td>
<td>Youna</td>
<td>Cho</td>
<td></td>
</tr>
<tr>
<td>283</td>
<td>Youna</td>
<td>Cho</td>
<td>234</td>
<td>283</td>
<td>Youna</td>
<td>Cho</td>
<td></td>
</tr>
<tr>
<td>233</td>
<td>Cristal</td>
<td>Chow</td>
<td>159</td>
<td>233</td>
<td>Cristal</td>
<td>Chow</td>
<td></td>
</tr>
<tr>
<td>374</td>
<td>Ryan</td>
<td>Chow</td>
<td>321</td>
<td>374</td>
<td>Ryan</td>
<td>Chow</td>
<td></td>
</tr>
<tr>
<td>391</td>
<td>Ho-hin</td>
<td>Choy</td>
<td>104</td>
<td>391</td>
<td>Ho-hin</td>
<td>Choy</td>
<td></td>
</tr>
<tr>
<td>403</td>
<td>Mindy</td>
<td>Chua</td>
<td>226</td>
<td>403</td>
<td>Mindy</td>
<td>Chua</td>
<td></td>
</tr>
<tr>
<td>297</td>
<td>Kyle</td>
<td>Cleasby</td>
<td>349</td>
<td>297</td>
<td>Kyle</td>
<td>Cleasby</td>
<td></td>
</tr>
<tr>
<td>378</td>
<td>Samantha</td>
<td>Cohen</td>
<td>451</td>
<td>378</td>
<td>Samantha</td>
<td>Cohen</td>
<td></td>
</tr>
<tr>
<td>235</td>
<td>Lauren</td>
<td>Colyer</td>
<td>260</td>
<td>235</td>
<td>Lauren</td>
<td>Colyer</td>
<td></td>
</tr>
<tr>
<td>450</td>
<td>Vilma</td>
<td>Contreras</td>
<td>188</td>
<td>450</td>
<td>Vilma</td>
<td>Contreras</td>
<td>188</td>
</tr>
<tr>
<td>299</td>
<td>Jessica</td>
<td>Copeland</td>
<td>39</td>
<td>299</td>
<td>Jessica</td>
<td>Copeland</td>
<td>39</td>
</tr>
<tr>
<td>381</td>
<td>Lisa</td>
<td>Cordeiro</td>
<td>257</td>
<td>381</td>
<td>Lisa</td>
<td>Cordeiro</td>
<td>257</td>
</tr>
<tr>
<td>49</td>
<td>Alyssa</td>
<td>Cox</td>
<td>370</td>
<td>49</td>
<td>Alyssa</td>
<td>Cox</td>
<td></td>
</tr>
<tr>
<td>161</td>
<td>Monica</td>
<td>Cox</td>
<td>432</td>
<td>161</td>
<td>Monica</td>
<td>Cox</td>
<td></td>
</tr>
<tr>
<td>377</td>
<td>Megan</td>
<td>Craig</td>
<td>66</td>
<td>377</td>
<td>Megan</td>
<td>Craig</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Kelly</td>
<td>Crane</td>
<td>309</td>
<td>22</td>
<td>Kelly</td>
<td>Crane</td>
<td></td>
</tr>
<tr>
<td>434</td>
<td>Kendall</td>
<td>Crawford</td>
<td>353</td>
<td>434</td>
<td>Kendall</td>
<td>Crawford</td>
<td>353</td>
</tr>
<tr>
<td>2</td>
<td>Allison</td>
<td>Crisp</td>
<td>204</td>
<td>2</td>
<td>Allison</td>
<td>Crisp</td>
<td></td>
</tr>
<tr>
<td>245</td>
<td>Elizabeth</td>
<td>Cristiano</td>
<td>205</td>
<td>245</td>
<td>Elizabeth</td>
<td>Cristiano</td>
<td>205</td>
</tr>
<tr>
<td>330</td>
<td>Cynthia</td>
<td>Curry</td>
<td>67</td>
<td>330</td>
<td>Cynthia</td>
<td>Curry</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Katelyn</td>
<td>Cushanick</td>
<td>163</td>
<td>6</td>
<td>Katelyn</td>
<td>Cushanick</td>
<td>163</td>
</tr>
<tr>
<td>43</td>
<td>Katelyn</td>
<td>Cushanick</td>
<td>423</td>
<td>43</td>
<td>Katelyn</td>
<td>Cushanick</td>
<td>423</td>
</tr>
<tr>
<td>25</td>
<td>Anita</td>
<td>Dahiya</td>
<td>271</td>
<td>25</td>
<td>Anita</td>
<td>Dahiya</td>
<td></td>
</tr>
<tr>
<td>115</td>
<td>M</td>
<td>Dahl</td>
<td>76</td>
<td>115</td>
<td>M</td>
<td>Dahl</td>
<td></td>
</tr>
<tr>
<td>408</td>
<td>Jennifer</td>
<td>Darnell</td>
<td>371</td>
<td>408</td>
<td>Jennifer</td>
<td>Darnell</td>
<td>371</td>
</tr>
<tr>
<td>18</td>
<td>Shanlee</td>
<td>Davis</td>
<td>376</td>
<td>18</td>
<td>Shanlee</td>
<td>Davis</td>
<td></td>
</tr>
<tr>
<td>307</td>
<td>Parul</td>
<td>Dayal</td>
<td>290</td>
<td>307</td>
<td>Parul</td>
<td>Dayal</td>
<td></td>
</tr>
<tr>
<td>281</td>
<td>Alanna</td>
<td>De Mello</td>
<td>40</td>
<td>281</td>
<td>Alanna</td>
<td>De Mello</td>
<td>40</td>
</tr>
<tr>
<td>44</td>
<td>Walter</td>
<td>Dehory</td>
<td>189</td>
<td>44</td>
<td>Walter</td>
<td>Dehory</td>
<td></td>
</tr>
<tr>
<td>333</td>
<td>Miguel</td>
<td>del Campo</td>
<td>190</td>
<td>333</td>
<td>Miguel</td>
<td>del Campo</td>
<td>190</td>
</tr>
<tr>
<td>409</td>
<td>Nada</td>
<td>Derar</td>
<td>312</td>
<td>409</td>
<td>Nada</td>
<td>Derar</td>
<td></td>
</tr>
<tr>
<td>173</td>
<td>Avanka</td>
<td>Dias</td>
<td>411</td>
<td>173</td>
<td>Avanka</td>
<td>Dias</td>
<td></td>
</tr>
</tbody>
</table>

91
<table>
<thead>
<tr>
<th>Prog#</th>
<th>Poster #</th>
<th>Pres FN</th>
<th>Pres LN</th>
<th>Prog#</th>
<th>Poster #</th>
<th>Pres FN</th>
<th>Pres LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>292</td>
<td></td>
<td>Hilary</td>
<td>Haber</td>
<td>404</td>
<td></td>
<td>Paige</td>
<td>Kendall</td>
</tr>
<tr>
<td>406</td>
<td></td>
<td>Arezoo</td>
<td>Haghshenas</td>
<td>337</td>
<td></td>
<td>Kalpashri</td>
<td>Kesavan</td>
</tr>
<tr>
<td>304</td>
<td></td>
<td>Marwa</td>
<td>Hakimi</td>
<td>294</td>
<td></td>
<td>Janet</td>
<td>Kim</td>
</tr>
<tr>
<td>144</td>
<td></td>
<td>Eitan</td>
<td>Halper-Stromberg</td>
<td>158</td>
<td></td>
<td>Kevin</td>
<td>Kim</td>
</tr>
<tr>
<td>34</td>
<td></td>
<td>Emily</td>
<td>Harris</td>
<td>306</td>
<td></td>
<td>Jamie</td>
<td>Kisseep</td>
</tr>
<tr>
<td>276</td>
<td></td>
<td>Spencer</td>
<td>Harris</td>
<td>320</td>
<td></td>
<td>Kevin</td>
<td>Kobes</td>
</tr>
<tr>
<td>277</td>
<td></td>
<td>Spencer</td>
<td>Harris</td>
<td>422</td>
<td></td>
<td>Nicholas</td>
<td>Kolaitis</td>
</tr>
<tr>
<td>438</td>
<td></td>
<td>Zoey</td>
<td>Harris</td>
<td>357</td>
<td></td>
<td>Warren</td>
<td>Koo</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>Michael</td>
<td>Hashimoto</td>
<td>395</td>
<td></td>
<td>Claire</td>
<td>Korpela</td>
</tr>
<tr>
<td>116</td>
<td></td>
<td>Aaron</td>
<td>Hauck</td>
<td>70</td>
<td></td>
<td>Jason</td>
<td>Kowit</td>
</tr>
<tr>
<td>416</td>
<td></td>
<td>Cynthia</td>
<td>Hayek</td>
<td>418</td>
<td></td>
<td>Katelin</td>
<td>Kramer</td>
</tr>
<tr>
<td>47</td>
<td></td>
<td>Arash</td>
<td>Heidari</td>
<td>239</td>
<td></td>
<td>Jennifer</td>
<td>Krems</td>
</tr>
<tr>
<td>84</td>
<td></td>
<td>Arash</td>
<td>Heidari</td>
<td>153</td>
<td></td>
<td>Jeremy</td>
<td>Kubiak</td>
</tr>
<tr>
<td>194</td>
<td>40</td>
<td>Arash</td>
<td>Heidari</td>
<td>236</td>
<td></td>
<td>James</td>
<td>Kwan</td>
</tr>
<tr>
<td>324</td>
<td></td>
<td>Arash</td>
<td>Heidari</td>
<td>191</td>
<td></td>
<td>37</td>
<td>Brian</td>
</tr>
<tr>
<td>174</td>
<td>20</td>
<td>Alexander</td>
<td>Hengel</td>
<td>405</td>
<td></td>
<td>Elyse</td>
<td>LaFond</td>
</tr>
<tr>
<td>364</td>
<td></td>
<td>Johnny</td>
<td>Hoang</td>
<td>232</td>
<td></td>
<td>Vicki</td>
<td>Lau</td>
</tr>
<tr>
<td>175</td>
<td>21</td>
<td>Gabriel</td>
<td>Hocum</td>
<td>178</td>
<td></td>
<td>24</td>
<td>Cody</td>
</tr>
<tr>
<td>156</td>
<td>2</td>
<td>Jesus</td>
<td>Hoil</td>
<td>46</td>
<td></td>
<td>Jake</td>
<td>Lawicki</td>
</tr>
<tr>
<td>82</td>
<td></td>
<td>Emil</td>
<td>Holck</td>
<td>105</td>
<td></td>
<td>Dillon</td>
<td>Le</td>
</tr>
<tr>
<td>138</td>
<td></td>
<td>Femke</td>
<td>Horn</td>
<td>251</td>
<td></td>
<td>Thao</td>
<td>Le</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Stacey</td>
<td>Howell</td>
<td>53</td>
<td></td>
<td>Cindy</td>
<td>Lee</td>
</tr>
<tr>
<td>341</td>
<td></td>
<td>Kai-Hsiang</td>
<td>Hsu</td>
<td>266</td>
<td></td>
<td>Cindy</td>
<td>Lee</td>
</tr>
<tr>
<td>206</td>
<td>52</td>
<td>Vivien</td>
<td>Hu</td>
<td>327</td>
<td></td>
<td>Stephanie</td>
<td>Lee</td>
</tr>
<tr>
<td>207</td>
<td>53</td>
<td>Shih-Chieh</td>
<td>Huang</td>
<td>458</td>
<td></td>
<td>Jacob</td>
<td>Leroux</td>
</tr>
<tr>
<td>65</td>
<td></td>
<td>Eustratia</td>
<td>Hubbard</td>
<td>100</td>
<td></td>
<td>Kelly</td>
<td>Leslie</td>
</tr>
<tr>
<td>456</td>
<td></td>
<td>Jin</td>
<td>Hur</td>
<td>310</td>
<td></td>
<td>Nicole</td>
<td>Leung</td>
</tr>
<tr>
<td>252</td>
<td></td>
<td>Duncan</td>
<td>Hussey</td>
<td>11</td>
<td></td>
<td>Ryan</td>
<td>Levine</td>
</tr>
<tr>
<td>259</td>
<td></td>
<td>Farhad</td>
<td>Imam</td>
<td>102</td>
<td></td>
<td>Christopher</td>
<td>Lewis</td>
</tr>
<tr>
<td>268</td>
<td></td>
<td>Farhad</td>
<td>Imam</td>
<td>389</td>
<td></td>
<td>Juanita</td>
<td>Lewis</td>
</tr>
<tr>
<td>373</td>
<td></td>
<td>Mary</td>
<td>Indart</td>
<td>136</td>
<td></td>
<td>Jonathan</td>
<td>Lin</td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>Angeline</td>
<td>Ithondeka</td>
<td>62</td>
<td></td>
<td>Chang</td>
<td>Liu</td>
</tr>
<tr>
<td>88</td>
<td></td>
<td>Alanna</td>
<td>James</td>
<td>50</td>
<td></td>
<td>Brent</td>
<td>Locklear</td>
</tr>
<tr>
<td>28</td>
<td></td>
<td>Rehman</td>
<td>Jinah</td>
<td>231</td>
<td></td>
<td>Luke</td>
<td>Lovro</td>
</tr>
<tr>
<td>110</td>
<td></td>
<td>Amanda</td>
<td>Johnson</td>
<td>410</td>
<td></td>
<td>Shannon</td>
<td>Lozinsky</td>
</tr>
<tr>
<td>176</td>
<td>22</td>
<td>James</td>
<td>Johnson</td>
<td>238</td>
<td></td>
<td>Michael</td>
<td>Luu</td>
</tr>
<tr>
<td>343</td>
<td></td>
<td>Stan</td>
<td>Jordan</td>
<td>91</td>
<td></td>
<td>Tia</td>
<td>Mackintosh</td>
</tr>
<tr>
<td>83</td>
<td></td>
<td>Ariana</td>
<td>Kamaliazad</td>
<td>59</td>
<td></td>
<td>Brianna</td>
<td>MacQueen</td>
</tr>
<tr>
<td>360</td>
<td></td>
<td>Angela</td>
<td>Kanna</td>
<td>60</td>
<td></td>
<td>Brianna</td>
<td>MacQueen</td>
</tr>
<tr>
<td>449</td>
<td></td>
<td>Indu</td>
<td>Kannan</td>
<td>71</td>
<td></td>
<td>Armaan</td>
<td>Malhotra</td>
</tr>
<tr>
<td>399</td>
<td></td>
<td>Nahel</td>
<td>Kapadia</td>
<td>280</td>
<td></td>
<td>Sabrina</td>
<td>Malone Jenkins</td>
</tr>
<tr>
<td>246</td>
<td></td>
<td>Ekta</td>
<td>Kapoor</td>
<td>94</td>
<td></td>
<td>Christine</td>
<td>Maloney</td>
</tr>
<tr>
<td>177</td>
<td>23</td>
<td>Farah</td>
<td>Kassam</td>
<td>16</td>
<td></td>
<td>Rachel</td>
<td>Manalo</td>
</tr>
<tr>
<td>164</td>
<td>10</td>
<td>Jessica</td>
<td>Keesee</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prog#</td>
<td>Poster #</td>
<td>Pres FN</td>
<td>Pres LN</td>
<td>Prog#</td>
<td>Poster #</td>
<td>Pres FN</td>
<td>Pres LN</td>
</tr>
<tr>
<td>-------</td>
<td>----------</td>
<td>--------------</td>
<td>-------------</td>
<td>-------</td>
<td>----------</td>
<td>--------------</td>
<td>-------------</td>
</tr>
<tr>
<td>339</td>
<td>196</td>
<td>Madelena</td>
<td>Martin</td>
<td>42</td>
<td>93</td>
<td>Aarushi</td>
<td>Parekh</td>
</tr>
<tr>
<td>37</td>
<td>197</td>
<td>Thomas</td>
<td>Martins</td>
<td>43</td>
<td>94</td>
<td>Aarushi</td>
<td>Parekh</td>
</tr>
<tr>
<td>286</td>
<td>198</td>
<td>Braden</td>
<td>Mattison</td>
<td>44</td>
<td>95</td>
<td>Aarushi</td>
<td>Parekh</td>
</tr>
<tr>
<td>289</td>
<td>32</td>
<td>James</td>
<td>Parker</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>384</td>
<td>109</td>
<td>Jacques</td>
<td>Maxwell</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>269</td>
<td>210</td>
<td>Julia</td>
<td>Parrish</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>195</td>
<td>147</td>
<td>Megan</td>
<td>Mayer</td>
<td>56</td>
<td>96</td>
<td>Taylor</td>
<td>Pasvantis</td>
</tr>
<tr>
<td>262</td>
<td>388</td>
<td>Robert</td>
<td>McCully</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>208</td>
<td>200</td>
<td>Maeye</td>
<td>McDonnell</td>
<td>46</td>
<td>97</td>
<td>Sachi</td>
<td>Patel</td>
</tr>
<tr>
<td>107</td>
<td>119</td>
<td>Patrick</td>
<td>McGee</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>363</td>
<td>Sarah</td>
<td>McKenna</td>
<td>98</td>
<td>99</td>
<td>Jeffrey</td>
<td>Northey</td>
</tr>
<tr>
<td>435</td>
<td>23</td>
<td>Gordon</td>
<td>McLaren</td>
<td>109</td>
<td>110</td>
<td>Julia</td>
<td>Parrish</td>
</tr>
<tr>
<td>165</td>
<td>75</td>
<td>Natalie</td>
<td>Meadows</td>
<td>110</td>
<td>111</td>
<td>Nicholas</td>
<td>Pettit</td>
</tr>
<tr>
<td>394</td>
<td>211</td>
<td>Nayeli</td>
<td>Medina</td>
<td>111</td>
<td>112</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>284</td>
<td>267</td>
<td>Edin</td>
<td>Mehic</td>
<td>112</td>
<td>113</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>41</td>
<td>212</td>
<td>Laura</td>
<td>Miles</td>
<td>113</td>
<td>114</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>58</td>
<td>247</td>
<td>Catherine</td>
<td>Milner</td>
<td>114</td>
<td>115</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>338</td>
<td>167</td>
<td>Catherine</td>
<td>Milner</td>
<td>115</td>
<td>116</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>398</td>
<td>368</td>
<td>Ashley</td>
<td>Mo</td>
<td>116</td>
<td>117</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>20</td>
<td>87</td>
<td>Adeba</td>
<td>Mohammad</td>
<td>117</td>
<td>118</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>445</td>
<td>168</td>
<td>Katharine</td>
<td>Moore</td>
<td>118</td>
<td>119</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>14</td>
<td>261</td>
<td>Sylvester</td>
<td>Moses</td>
<td>119</td>
<td>120</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>209</td>
<td>85</td>
<td>Robert</td>
<td>Mousselli</td>
<td>120</td>
<td>121</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>274</td>
<td>439</td>
<td>Hemananda</td>
<td>Muniraman</td>
<td>121</td>
<td>122</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>278</td>
<td>298</td>
<td>Hemananda</td>
<td>Muniraman</td>
<td>122</td>
<td>123</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>275</td>
<td>351</td>
<td>Bhanu</td>
<td>Muniyappa</td>
<td>123</td>
<td>124</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>244</td>
<td>213</td>
<td>Kristin</td>
<td>Nadeau</td>
<td>124</td>
<td>125</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>383</td>
<td>336</td>
<td>theodora</td>
<td>nelson</td>
<td>125</td>
<td>126</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>192</td>
<td>227</td>
<td>Ross</td>
<td>Newman</td>
<td>126</td>
<td>127</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>250</td>
<td>345</td>
<td>Caroline</td>
<td>Nguyen</td>
<td>127</td>
<td>128</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>354</td>
<td>214</td>
<td>Phuong</td>
<td>Nguyen</td>
<td>128</td>
<td>129</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>129</td>
<td>215</td>
<td>Tri</td>
<td>Nguyen</td>
<td>129</td>
<td>130</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>448</td>
<td>3</td>
<td>Anna-Kaisa</td>
<td>Niemi</td>
<td>130</td>
<td>131</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>166</td>
<td>180</td>
<td>Kevin</td>
<td>Nikroo</td>
<td>131</td>
<td>132</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>12</td>
<td>313</td>
<td>Keith</td>
<td>Nishihara</td>
<td>132</td>
<td>133</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>98</td>
<td>366</td>
<td>Jeffrey</td>
<td>Northey</td>
<td>133</td>
<td>134</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>323</td>
<td>426</td>
<td>Bryan</td>
<td>Nycz</td>
<td>134</td>
<td>135</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>425</td>
<td>427</td>
<td>J. Tod</td>
<td>Olin</td>
<td>135</td>
<td>136</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>199</td>
<td>318</td>
<td>Petter</td>
<td>Overton-Harris</td>
<td>136</td>
<td>137</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>386</td>
<td>51</td>
<td>Fernando</td>
<td>Palacios</td>
<td>137</td>
<td>138</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>452</td>
<td>141</td>
<td>Mauricio</td>
<td>Palau</td>
<td>138</td>
<td>139</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>282</td>
<td>317</td>
<td>Ryan</td>
<td>Palsma</td>
<td>139</td>
<td>140</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>134</td>
<td>407</td>
<td>Aarushi</td>
<td>Parekh</td>
<td>140</td>
<td>141</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
<tr>
<td>193</td>
<td>361</td>
<td>Aarushi</td>
<td>Parekh</td>
<td>141</td>
<td>142</td>
<td>Sanjeeva</td>
<td>Rajapakse</td>
</tr>
</tbody>
</table>

93
<table>
<thead>
<tr>
<th>Prog#</th>
<th>Poster #</th>
<th>Pres FN</th>
<th>Pres LN</th>
<th>Prog#</th>
<th>Poster #</th>
<th>Pres FN</th>
<th>Pres LN</th>
</tr>
</thead>
<tbody>
<tr>
<td>101</td>
<td></td>
<td>Sarah</td>
<td>Schoenhals</td>
<td>133</td>
<td></td>
<td>Edwin</td>
<td>Torres</td>
</tr>
<tr>
<td>296</td>
<td></td>
<td>Courtney</td>
<td>Schuelke</td>
<td>253</td>
<td></td>
<td>Christina</td>
<td>Tran</td>
</tr>
<tr>
<td>387</td>
<td></td>
<td>Priya</td>
<td>Shah</td>
<td>182</td>
<td>28</td>
<td>Jenny</td>
<td>Tran</td>
</tr>
<tr>
<td>348</td>
<td></td>
<td>Bradley</td>
<td>Shane</td>
<td>132</td>
<td></td>
<td>Brandon</td>
<td>Tresenriter</td>
</tr>
<tr>
<td>255</td>
<td></td>
<td>Suma</td>
<td>Shankar</td>
<td>390</td>
<td></td>
<td>vivien</td>
<td>Triano</td>
</tr>
<tr>
<td>81</td>
<td></td>
<td>Rayshma</td>
<td>Sharoff</td>
<td>33</td>
<td></td>
<td>Ryan</td>
<td>Tucker</td>
</tr>
<tr>
<td>48</td>
<td></td>
<td>Humphrey</td>
<td>Shen</td>
<td>350</td>
<td></td>
<td>Christina</td>
<td>Tull</td>
</tr>
<tr>
<td>111</td>
<td></td>
<td>Laurie</td>
<td>Sherlock</td>
<td>68</td>
<td></td>
<td>Kayla</td>
<td>Unsell</td>
</tr>
<tr>
<td>332</td>
<td></td>
<td>Joseph</td>
<td>Shieh</td>
<td>149</td>
<td></td>
<td>Kayla</td>
<td>Unsell</td>
</tr>
<tr>
<td>216</td>
<td>62</td>
<td>Aera</td>
<td>Shin</td>
<td>154</td>
<td></td>
<td>Kayla</td>
<td>Unsell</td>
</tr>
<tr>
<td>169</td>
<td>15</td>
<td>Minkyung</td>
<td>Shin</td>
<td>183</td>
<td>29</td>
<td>Brittney</td>
<td>VanAudsol</td>
</tr>
<tr>
<td>99</td>
<td></td>
<td>Averyl</td>
<td>Shindruk</td>
<td>430</td>
<td></td>
<td>Lindsey</td>
<td>VanDyke</td>
</tr>
<tr>
<td>240</td>
<td></td>
<td>Utkarsh</td>
<td>Shukla</td>
<td>447</td>
<td></td>
<td>Kajsa</td>
<td>Vlastic</td>
</tr>
<tr>
<td>95</td>
<td></td>
<td>Megan</td>
<td>Shurey</td>
<td>152</td>
<td></td>
<td>Brian</td>
<td>Walker</td>
</tr>
<tr>
<td>308</td>
<td></td>
<td>Ilana</td>
<td>Sigal</td>
<td>121</td>
<td></td>
<td>Naomi</td>
<td>Walker</td>
</tr>
<tr>
<td>428</td>
<td></td>
<td>Kevin</td>
<td>Sigley</td>
<td>151</td>
<td></td>
<td>Vanessa</td>
<td>Wall</td>
</tr>
<tr>
<td>402</td>
<td></td>
<td>Claire</td>
<td>Simon</td>
<td>279</td>
<td></td>
<td>Evelyn</td>
<td>Wang</td>
</tr>
<tr>
<td>436</td>
<td></td>
<td>Skyley</td>
<td>Simpson</td>
<td>142</td>
<td></td>
<td>Tyler</td>
<td>Werbel</td>
</tr>
<tr>
<td>170</td>
<td>16</td>
<td>Bonnie</td>
<td>Singh</td>
<td>429</td>
<td></td>
<td>Madeleine</td>
<td>Wessels</td>
</tr>
<tr>
<td>217</td>
<td>63</td>
<td>Ciaran</td>
<td>Smythe</td>
<td>223</td>
<td>69</td>
<td>Benjamin</td>
<td>West</td>
</tr>
<tr>
<td>420</td>
<td></td>
<td>Ashley</td>
<td>Song</td>
<td>224</td>
<td>70</td>
<td>Benjamin</td>
<td>West</td>
</tr>
<tr>
<td>322</td>
<td></td>
<td>Christina</td>
<td>Spandler</td>
<td>184</td>
<td>30</td>
<td>Connor</td>
<td>Weston</td>
</tr>
<tr>
<td>396</td>
<td></td>
<td>Madigan</td>
<td>Stanley</td>
<td>86</td>
<td></td>
<td>Lindsay</td>
<td>White</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Heather</td>
<td>Stevens</td>
<td>379</td>
<td></td>
<td>Morgan</td>
<td>White</td>
</tr>
<tr>
<td>78</td>
<td></td>
<td>Andrew</td>
<td>Stewart</td>
<td>443</td>
<td></td>
<td>Sharon</td>
<td>White</td>
</tr>
<tr>
<td>301</td>
<td></td>
<td>Caitlin</td>
<td>Stigmeier</td>
<td>293</td>
<td></td>
<td>Emily</td>
<td>Whitgob</td>
</tr>
<tr>
<td>328</td>
<td></td>
<td>Katrina</td>
<td>Stime</td>
<td>256</td>
<td></td>
<td>Kristen</td>
<td>Wigby</td>
</tr>
<tr>
<td>27</td>
<td></td>
<td>Kimberly</td>
<td>Stowers</td>
<td>380</td>
<td></td>
<td>Kristen</td>
<td>Wigby</td>
</tr>
<tr>
<td>243</td>
<td></td>
<td>Kyleigh</td>
<td>Strickland</td>
<td>225</td>
<td>71</td>
<td>Brooke</td>
<td>Willows</td>
</tr>
<tr>
<td>36</td>
<td></td>
<td>Gina</td>
<td>Stroud</td>
<td>316</td>
<td></td>
<td>Catherine</td>
<td>Winter</td>
</tr>
<tr>
<td>242</td>
<td></td>
<td>Jacob</td>
<td>Stuppy</td>
<td>272</td>
<td></td>
<td>Christian</td>
<td>Wiscombe</td>
</tr>
<tr>
<td>90</td>
<td></td>
<td>Courtney</td>
<td>Swantek</td>
<td>97</td>
<td></td>
<td>Katherine</td>
<td>Wolpert</td>
</tr>
<tr>
<td>285</td>
<td></td>
<td>Hilary</td>
<td>Swift</td>
<td>382</td>
<td></td>
<td>Dana</td>
<td>Won</td>
</tr>
<tr>
<td>181</td>
<td>27</td>
<td>Colin</td>
<td>Tan</td>
<td>254</td>
<td></td>
<td>Craig</td>
<td>Wong</td>
</tr>
<tr>
<td>201</td>
<td>47</td>
<td>Fardis</td>
<td>Tavangary</td>
<td>441</td>
<td></td>
<td>Craig</td>
<td>Wong</td>
</tr>
<tr>
<td>372</td>
<td></td>
<td>Julian</td>
<td>Thach</td>
<td>305</td>
<td></td>
<td>Kelsey</td>
<td>Wong</td>
</tr>
<tr>
<td>218</td>
<td>64</td>
<td>Cedric</td>
<td>Thiel</td>
<td>433</td>
<td></td>
<td>Jessica</td>
<td>Woodall</td>
</tr>
<tr>
<td>219</td>
<td>65</td>
<td>Alex</td>
<td>Thomas</td>
<td>31</td>
<td></td>
<td>Timothy</td>
<td>Woodiwiss</td>
</tr>
<tr>
<td>220</td>
<td>66</td>
<td>Alex</td>
<td>Thomas</td>
<td>302</td>
<td></td>
<td>Jennifer</td>
<td>Wooley</td>
</tr>
<tr>
<td>221</td>
<td>67</td>
<td>Jerry</td>
<td>Thomas</td>
<td>61</td>
<td></td>
<td>Tai-Wei</td>
<td>Wu</td>
</tr>
<tr>
<td>222</td>
<td>68</td>
<td>Jerry</td>
<td>Thomas</td>
<td>326</td>
<td></td>
<td>James</td>
<td>Wykowski</td>
</tr>
<tr>
<td>179</td>
<td>25</td>
<td>Rosanne</td>
<td>Thornhill</td>
<td>80</td>
<td></td>
<td>Kristen</td>
<td>Yabuno</td>
</tr>
<tr>
<td>314</td>
<td></td>
<td>Joanna</td>
<td>Tomaszewski</td>
<td>248</td>
<td></td>
<td>Jin</td>
<td>Yang</td>
</tr>
<tr>
<td>128</td>
<td></td>
<td>Carrie</td>
<td>Torr</td>
<td>55</td>
<td></td>
<td>Tracylyn</td>
<td>Yellowhair</td>
</tr>
<tr>
<td>Prog#</td>
<td>Poster #</td>
<td>Pres FN</td>
<td>Pres LN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>----------</td>
<td>----------</td>
<td>----------</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>300</td>
<td></td>
<td>Jordan</td>
<td>Yeo</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>287</td>
<td></td>
<td>Grace</td>
<td>Yi</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>288</td>
<td></td>
<td>Miya</td>
<td>Yoshida</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>457</td>
<td></td>
<td>Evan</td>
<td>Zhao</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>264</td>
<td></td>
<td>James</td>
<td>Zhao</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>358</td>
<td></td>
<td>Boyuan</td>
<td>Zheng</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td></td>
<td>Irena</td>
<td>Zivkovic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Western Meeting Locations
Carmel, California

A - Sunset Center
B - Carmel Women’s Club
C - All Saints Church
D - Church of the Wayfarer
E - Pacific Repertory Theater
   (Golden Bough)
F - Pine Inn
G - La Playa Hotel
The Beach Resort to Pebble Beach -
Take Highway 1 - South. Travel south past Monterey and take the Pacific Grove/Pebble Beach/HWY 68 exit. After exiting the freeway follow the signs to the Pebble Beach Gate.

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

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

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