2011 Western Regional Meeting

January 26-29, 2011
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

Accredited by the Center for Continuing Education, Tulane University Health Sciences Center
## 2011 WESTERN REGIONAL MEETING
### AT-A-GLANCE
#### Carmel, California
#### January 26-29, 2011

<table>
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<tr>
<th>TIME</th>
<th>ACTIVITY &amp; LOCATION</th>
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<tr>
<td><strong>WEDNESDAY, JANUARY 26, 2011</strong></td>
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</table>
| 1:00 pm – 5:00 pm | Faculty and Fellow Registration  
Entry Lobby – Sunset Center |
| 2:00 pm – 5:00 pm | **Global Health: The Specter of Cancer, Malnutrition, and Infection**  
_Sponsored by WAP_  
Sunset Center – Carpenter Hall |
| 5:00 pm – 5:30 pm | **WAP Business Meeting**  
Sunset Center – Carpenter Hall |
| 5:30 pm – 7:00 pm | **Welcoming Cocktail Party**  
_Jointly sponsored by_  
WAFMR, WAP, WSCI, and WSPR  
Carmel Women’s Club |
| **THURSDAY, JANUARY 27, 2011** |
| 8:00 am – 5:00 pm | Faculty and Fellow Registration  
Pacific Repertory Theater – Golden Bough  
Student and Resident Registration  
Pacific Repertory Theater – Golden Bough |
| 2:00 pm – 5:00 pm | **Joint Plenary Session I**  
WAFMR, WSCI, WAP, and WSPR  
Global Health  
WSPR Stanley Wright Memorial Lecture  
WAP Distinguished Lectureship  
WSCI Mayo Soley Award  
WSPR Joseph W. St. Geme, Jr. Education Award  
Pacific Repertory Theater – Golden Bough |
| 8:30 am – 12:15 pm | **Investigator Workshops**  
_(Intended for Fellows and Jr. Faculty – Lunch included)_  

*Sunset Center – Bingham #3*  
Thinking beyond physical risks in clinical research: Societal and group harms  
Susan Bankowski, _Oregon Health and Science University_

*Sunset Center – Chapman #4*  
Developing and using patient registries for clinical research  
Liron Caplan, _University of Colorado Health Science Center_ |
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| 1:45 pm – 4:15 pm | Joint Plenary Session II  
WAFMR, WSCI, WAP, and WSPR  
WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award  
WSPR Abbott Nutrition Lowell Glasgow Student Research Award  
WSPR Abbott Nutrition Young Investigator Research Award  
E.E. Osgood Award  
WAFMR Outstanding Investigator Award  
WSCI Outstanding Investigator Award  
Pacific Repertory – Golden Bough |
| 4:15 pm – 5:00 pm | WSCI Business Meeting  
Pacific Repertory Theater – Golden Bough |
| 4:15 pm – 5:00 pm | WSPR Business Meeting  
Pacific Repertory Theater – Golden Bough |
| 5:00 pm – 6:00 pm | Developmental Biology Club  
Church of the Wayfarer |
| 6:00 pm – 8:00 pm | Student Subspecialty Award Session: Posters, Pizza and Beer  
Monterey Beach Hotel – La Grande Room  
*All welcome and encouraged to attend* |
| 6:00 pm – 8:00 pm | Abbott Nutrition WSPR Reception  
*Open to all WSPR members, trainees, and guests*  
La Playa Hotel - Poseidon Room |
| 6:00 pm – 9:00 pm | Cardiovascular Club  
Il Forniao, Ocean Room – Pine Inn |
| 6:00 pm – 9:00 pm | West Coast Endocrine Club  
LaPlaya Hotel – Carmel Room |

**FRIDAY, JANUARY 28, 2011**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 7:00 am – 8:00 am | Breakfast-with-the-Investigator  
Monterey Beach Hotel – Captain’s Table |
| 8:00 am – 5:00 pm | Faculty and Fellow Registration  
Entry Lobby – Sunset Center  
Student and Resident Registration  
Entry Lobby – Sunset Center |
| 8:30 am – 12:00 pm | Concurrent Sessions  
Behavior and Development – Bingham #3, Sunset Center  
Cardiovascular I – Il Forniao – Ocean Room, Pine Inn  
Community Health – LaPlaya Hotel, Carmel Room  
Endocrinology – Room #6, Sunset Center  
Genetics – Rehearsal Room, Sunset Center  
Health Care Research I – Promenade Lobby, Sunset Center  
Hematology and Oncology I – Studio 105, Sunset Center  
Metabolism I – Carlson Hall, Church of the Wayfarer  
Neonatal Pulmonary I – All Saints Church, Sanctuary  
Neonatology General I – All Saints Church, Auditorium  
Neuroscience I – Conductor's Room, Sunset Center  
Pulmonary and Critical Care I – Carmel Women’s Club  
Surgery I – Green Room, Sunset Center |
<p>| 8:00 am – 12:00 pm |<br />
| 9:00 am – 12:00 pm |<br />
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</table>
| 8:30 am – 11:30 am  | **Student Scientific Session I**  
                         Global Health  
                         Chapman #4, Sunset Center |
| 8:30 am – 11:15 am  | **Student Scientific Session II**  
                         Community Health  
                         LaPlaya Hotel – Poseiden Room |
| 8:30 am – 11:30 am  | **Student Scientific Session III**  
                         Adolescent Medicine, Pediatrics, and Neonatal  
                         Carpenter Hall, Sunset Center |
| 12:00 pm – 1:30 pm  | Society Officers Planning Luncheon Meeting  
                         *(invited attendees only)*  
                         La Playa Hotel |
| 12:15 pm – 1:15 pm  | Investigator Workshops  
                         *(Intended for Fellows and Jr. Faculty – Lunch included)*  
                         Sunset Center – Bingham #3  
                         Thinking beyond physical risks in clinical research: Societal and group harms  
                         Susan Bankowski, *Oregon Health and Science University*  
                         Sunset Center – Chapman #4  
                         Developing and using patient registries for clinical research  
                         Liron Caplan, *University of Colorado Health Science Center* |
| 1:30 pm – 5:00 pm   | Concurrent Sessions  
                         Adolescent Medicine and General Pediatrics – Carpenter Hall, Sunset Center  
                         Cardiovascular II – Il Forniao – Ocean Room, Pine Inn  
                         Gastroenterology and Hepatology – Green Room, Sunset Center  
                         Health Care Research II – Promenade Lobby, Sunset Center  
                         Immunology and Rheumatology I – Studio 105, Sunset Center  
                         Infectious Diseases – Room #6, Sunset Center  
                         Morphogenesis and Malformations – Rehearsal Room, Sunset Center  
                         Neonatology General II – All Saints Church Auditorium  
                         Nephrology and Hypertension – Conductor's Room, Sunset Center |
| 1:30 pm – 4:30 pm   | Student Scientific Session IV  
                         Developmental Biology, Genetics, and Hematology Oncology  
                         Sunset Center, Chapman #4 |
| 1:30 pm – 4:30 pm   | Student Scientific Session V - Surgery  
                         Sunset Center, Bingham Room #3 |
| 5:30 pm – 7:30 pm   | Dysmorphology Club  
                         Carpenter Hall – Sunset Center |
| 6:00 pm – 9:00 pm   | Western Perinatal Club  
                         Carmel Room – La Playa Hotel |
| 6:00 pm – 9:00 pm   | Carmel Scholar Award Event  
                         *(Jr. Faculty/Fellows and their Mentors by invitation only)*  
                         Sunset Center |
| 6:30 pm – 9:00 pm   | Western Kidney Club  
                         Il Forniao, Ocean Room – Pine Inn |
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<td>8:00 am – 12:00 pm</td>
<td><strong>Faculty and Fellow Registration</strong>&lt;br&gt;Entry Lobby – Sunset Center&lt;br&gt;<strong>Student and Resident Registration</strong>&lt;br&gt;Entry Lobby – Sunset Center&lt;br&gt;<strong>California Thoracic Society Registration</strong>&lt;br&gt;LaPlaya Hotel</td>
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<td><strong>California Thoracic Society Meeting</strong>&lt;br&gt;LaPlaya Hotel</td>
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<td>8:30 am – 12:00 pm</td>
<td><strong>Concurrent Sessions</strong>&lt;br&gt;General Internal Medicine and Aging – Promenade Lobby, Sunset Center&lt;br&gt;Hematology and Oncology II – Studio 105, Sunset Center&lt;br&gt;Immunology and Rheumatology II – Chapman #4, Sunset Center&lt;br&gt;Metabolism II - Room # 6, Sunset Center&lt;br&gt;Neonatology Developmental Biology – All Saints Church, Auditorium&lt;br&gt;Neonatal Pulmonary II – All Saints Church, Sanctuary&lt;br&gt;Neuroscience II – Conductor's Room, Sunset Center&lt;br&gt;Pulmonary and Critical Care II – Carmel Women’s Club&lt;br&gt;Surgery II – Green Room, Sunset Center</td>
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<tr>
<td>8:30 am – 11:45 am</td>
<td><strong>Student Session VI</strong>&lt;br&gt;General Medicine&lt;br&gt;Sunset Center, Rehearsal Room</td>
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<tr>
<td>8:30 am – 11:15 am</td>
<td><strong>Student Session VII</strong>&lt;br&gt;Pulmonary, Critical Care, and Infectious Disease&lt;br&gt;Sunset Center, Bingham Room #3</td>
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<td>8:30 am – 11:15 am</td>
<td><strong>Residents’ Forum</strong>&lt;br&gt;Carpenter Hall, Sunset Center</td>
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<td>12:30 pm – 2:30 pm</td>
<td><strong>Residents’ Luncheon</strong>&lt;br&gt;Carpenter Hall, Sunset Center</td>
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<td>5:00 pm – 6:30 pm</td>
<td><strong>WSMRF Committee Meeting</strong>&lt;br&gt;Monterey Beach Hotel – Captain’s Table</td>
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<tr>
<td>6:30 pm – 9:00 pm</td>
<td><strong>Western Student Medical Research Forum Awards Banquet</strong>&lt;br&gt;Invited Speaker: Thomas J Fogarty, University of Washington&lt;br&gt;Monterey Beach Hotel – Points Ballroom</td>
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Registration for *AMA PRA Category 1 Credit™* is available on-line or at the Registration Desk in the Sunset Center for $65.00.
Tulane University Health Sciences Center

STATEMENT OF NEED
Health problems which we see in the United States are common with other areas of the world. With the interconnectedness of global societies in economics, finance and health, these common problems may be exacerbated and have a far reaching effect on local, regional and global decision-making. In addition, the missions of the organizations which make up the Western Regional Meeting are to foster translational and clinical research from young investigators and provide a forum in which this research can be successfully submitted, discussed, debated and improved within respectful interactions with peers and mentors.

OVERVIEW AND OBJECTIVES
The Western Regional Meeting is designed to engage the physicians and researchers in a forum to present, evaluate and discuss the current research of young investigators as well as addresses the timely issues of health challenges in the general population.

TARGET AUDIENCE
Physicians, researchers and healthcare professionals engaging in translational and clinical research in subspecialty areas.

LEARNER OBJECTIVES AND OUTCOMES

Learner Objectives
At the conclusion of this educational activity, the participant should be better able to:
- Discuss the current challenges and opportunities in global health with colleagues.
- Critically evaluate the emerging translational and clinical research.
- Discuss new developments in pathophysiology of human disease with colleagues.
- Identify new areas of investigation which will inform research and improve patient care.
- Discuss the future development possible from current research trends and mentoring with colleagues and students.

Predicted Changes in Practice as a result of this activity are …
- Improve practice strategies and/or research to address the issues presented in cancer, nutrition or obesity as it affects local practice and global integration.
- Determine which strategies emerging from translational and clinical research are appropriate for incorporation into clinical practice.
- Engage in the mentoring process for young investigators.
- Identify a possible collaborator (mentor or mentee) for research advancement.

ACCREDITATION: This activity has been planned and implemented in accordance with the Essentials and Standards of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Tulane University Health Sciences Center and the Western Regional Societies. Tulane University Health Sciences Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Tulane University Health Sciences Center designates this live activity for a maximum of 20.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Tulane University Health Sciences Center presents this activity for educational purposes only and does not endorse any product, content of presentation or exhibit. Participants are expected to use their own expertise and judgment while engaged in the practice of medicine. The content of the presentations is provided solely by presenters, who have been selected because of their recognized expertise.
PROCEDURE FOR CLAIMING *AMA PRA CATEGORY 1 CREDIT™*
An electronic Evaluation and Credit Verification link will allow you to provide your evaluation of this educational activity in addition to requesting your *AMA PRA Category 1 Credits™*, if you have paid for them.
The link will automatically be sent to those who have pre-registered and purchased the *AMA PRA Category 1 Credits™*. If you do not get an email from Tulane by Monday, January 31, 2011, please contact cme@tulane.edu. If you registered and paid onsite, you will receive your link by the end of the following week after the staff returns to the office.

A listing of the number of *AMA PRA Category 1 Credits™* available each day is noted on the electronic verification form. Program hours that run simultaneously or overlap are not included in the total credits available each day.

TULANE DISCLOSURE POLICY
It is the policy of the Center for Continuing Education at Tulane University Health Sciences Center to plan and implement all of its educational activities in accordance with the ACCME’s Essential Areas and Policies to ensure balance, independence, objectivity and scientific rigor. In accordance with the ACCME’s Standards for Commercial Support, everyone who is in a position to control the content of an educational activity certified for *AMA PRA Category 1 Credit™* is required to disclose all relevant financial relationships with any commercial interests within the past 12 months that creates a real or apparent conflict of interest. Individuals who do not disclose are disqualified from participating in a CME activity. Individuals with potential for influence or control of CME content include planners and planning committee members, authors, teachers, educational activity directors, educational partners, and others who participate, e.g. facilitators and moderators. This disclosure pertains to relationships with pharmaceutical companies, biomedical device manufacturers or other corporations whose products or services are related to the subject matter of the presentation topic. Any real or apparent conflicts of interest related to the content of the presentations must be resolved prior to the educational activity. Disclosure of off-label, experimental or investigational use of drugs or devices must also be made known to the audience.

CARMEL AFMR SCHOLARS PROGRAM
On behalf of the American Federation for Medical Research we would like to thank the pharmaceutical sponsors of the Ninth Annual Fellow and Junior Faculty Scholars Program. The purpose of this program is to support the early academic careers of young junior faculty and fellows by providing opportunities for networking between early career scientists and learning about academic career pathways from established academicians. Our goal is to recognize and honor the contributions of the next generation of academic physician scientists and provide tools for their long term success. As such, Carmel Scholars are selected on the basis of the excellence of their scientific abstract across all scientific disciplines.

ACKNOWLEDGEMENTS
The Western Section American Federation for Medical Research, Western Society for Clinical Investigation, Western Association of Physicians, Western Society for Pediatric Research and the Western Student Medical Research Forum gratefully acknowledge the generous support received from the following:

- Abbott Nutrition, Abbott Laboratories, Inc.
- Centocor Pharmaceuticals
- Genzyme
- Ikaria
- Mead Johnson Nutrition
We would also like to thank the following for reviewing the abstracts and to the Lead Reviewer's for organizing the sessions:

Jan Abkowitz  
Vivek Balasubramaniam  
Michel Boivin  
Cora Breuner  
Virginia Broudy  
Laura Brown  
Emily Chen  
Alex Chen  
Marie-Francois Chesselet  
Paul Chung  
Kathleen Colleran  
Keith Colburn  
Corinne Corrigan  
Tom Cushing  
Donald Dafoe  
Kevin Deane  
Tom DeLoughery  
Laurel Desnick  
Katrina Dipple  
Boris Draznin  
Reggie Edgerton  
Heidi Feldman  
Karen Foster-Schubert  
Shai Friedland  
Ann Giesel  
Ian Glass  
Jeffrey Glenn  
Edward Goldson  
Mitch Harman  
William Hay  
Emil Heinze  
Tobias Hohl  
Amanda Keerbs  
Michele Kipke  
Michael Lawson  
Kathleen Liu  
Carlin Long  
Glen Lutchman  
W. Robb Maclellan  
Douglas Matsell  
George Merriam  
Rama Natarajan  
Susanne Nicholas  
Stephanie Page  
Neda Rasouli  
Paul Rozance  
Kathryn Schuff  
Kumar Sharma  
Prabhleen Singh  
Uttam Sinha  
Brad Spellberg  
Brian Stauffer  
Jennifer Taylor-Cousar  
George Thompson  
Cecilia Wang  
Christian Yost

SPECIALTY ANNOUNCEMENTS  
Thursday, January 27, 2011

DEVELOPMENTAL BIOLOGY CLUB  
5:00 PM  
Church of the Wayfarer

David W. Smith Memorial Lecture  
High throughput approaches to gene discovery in recessive disorders

*Featured Speaker:* Dan Cohn  
*David Geffen School of Medicine at UCLA and the Medical Genetics Institute, Cedars-Sinai Medical Center*

Contact person: David Rimoin  
*Sponsored by Mead Johnson Nutrition*
CARDIOVASCULAR CLUB
6:00 PM
Il Forniao – Pine Inn

The Cardiac Fibroblast: Friend or Foe
Featured Speaker: Carlin Long, University of Colorado Health Sciences Center

WEST COAST ENDOCRINE CLUB
6:00 PM
Carmel Room, La Playa Hotel
Reception and Scientific Program
All Welcome

Chair: George R. Merriam, VA Puget Sound Health Care System and University of Washington

Vitamin D as the Cure for all Ails
Featured Speaker: Cliff Rosen, Director, Maine Medical Center Research Institute, Professor of Medicine, University of Vermont

Wine, Cheese and Light Refreshments
Supported by an unrestricted educational grant from Novo Nordisk

Friday, January 28, 2011

DYSMORPHOLOGY CLUB
5:30 PM – 7:30 PM
Carpenter Hall – Sunset Center

Genetic Unknowns and Rare Knowns

Contact person: Louanne Hudgins

Supported, in part, through a restricted educational grant from Abbott Nutrition, Abbott Laboratories, Inc.

WESTERN PERINATAL CLUB
6:00 PM – 9:00 PM
Carmel Room – La Playa Hotel

Perinatal Briefing


Featured Speaker: Louis P. Halamek, Stanford University School of Medicine

Supported by Mead Johnson Nutrition
Modification of Immune Responses by Intravenous Immunoglobulin:
Applications to Solid Organ Transplantation

Featured Speaker: Stanley C. Jordan, Cedar-Sinai Medical Center and David Geffen School of Medicine at UCLA

GLOBAL HEALTH: THE SPECTER OF CANCER, MALNUTRITION, AND INFECTION

Virginia Broudy and Carlin Long, Presiding

2:00  INTRODUCTION

2:15  INNOVATION TO IMPACT: CERVICAL CANCER PREVENTION.
Jacqueline Sherris, Program for Appropriate Technology in Health (PATH)

3:00  BREAK

3:15  VITAMIN D INSUFFICIENCY AND INNATE IMMUNODYSFUNCTION.
John S. Adams, David Geffen School of Medicine at UCLA

4:00  DRUG DEVELOPMENT FOR NEGLECTED INFECTIOUS DISEASES: NEW HOPE FOR OLD SCOURGES.
Wesley Van Voorhis, University of Washington

4:45  DISCUSSION

5:00  ADJOURN

5:00  WESTERN ASSOCIATION OF PHYSICIANS BUSINESS MEETING

5:30  JOINT SOCIETY RECEPTION
JOINT PLENARY SESSION I

GLOBAL HEALTH

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

Pacific Repertory Theater – Golden Bough

8:30 AM – 12:15 PM
Thursday, January 27, 2011

Fred Sattler and Virginia Broudy, Presiding

8:30  WAP DISTINGUISHED LECTURESHIP
CURRENT CHALLENGES AND OPPORTUNITIES IN GLOBAL HEALTH.
King Holmes, University of Washington

9:15  WSPR STANLEY WRIGHT MEMORIAL LECTURE
GLOBAL NUTRITION: EVIDENCE OF PROGRESS, PERSISTENCE OF
CHALLENGES.
Nancy Krebs, University of Colorado School of Medicine

10:00 – 10:15 Intermission

10:15 IMPACT OF IODINE AND ENVIRONMENTAL TOXICANTS ON THYROID
HEALTH ACROSS THE WORLD.
Gregory Brent, David Geffen School of Medicine at UCLA

11:00 WSCI MAYO SOLEY AWARD
Presenter: Shlomo Melmed, Cedars-Sinai Medical Center
Recipient: David Rimoin, David Geffen School of Medicine at UCLA

11:25 GLOBAL OBESITY EPIDEMIC AND DIABETES INDIVIDUALIZED RISK
ASSESSMENT AND TARGETED PREVENTION.
Richard Bergman, University of Southern California

12:10 WSPR JOSEPH W. ST. GEME, JR. EDUCATION AWARD
Supported, in part, through a restricted educational grant from Abbott Nutrition,
Abbott Laboratories, Inc.
Eugene Hoyme, Sanford School of Medicine, University of South Dakota

12:15 ADJOURN
Kathryn Schuff and Bill Hay, Presiding

1:45  WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD*
INTRAUTERINE GROWTH RESTRICTION BY UTEROPLACENTAL INSUFFICIENCY AND MATERNAL TOBACCO SMOKING EXPOSURE CAUSES GENDER-SPECIFIC CHANGES IN MRNA EXPRESSION OF HIPPOCAMPAL ESTROGEN RECEPTOR.
B Numpan, D Caprau, X Ke, M Hale, X Yu, C Jiang, R Kaur, M Fitzhugh, C Callaway, L Joss-Moore, R McKnight and RH Lane, Salt Lake City, UT. University of Utah

2:00  WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD*
MECHANICAL VENTILATION OF PRETERM LAMBS LEADS TO MORE APOPTOSIS AND LESS PROLIFERATION OF NEURONS AND GLIA.
J Alvord, A Wint, MJ McCoy, L Dong, M Dahl, C Callaway, R McKnight, BA Yoder, R DiGernimo, RH Lane and K Albertine, Salt Lake City, UT. University of Utah

2:15  WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD*
IMPAIRED NEUTROPHIL EXTRACELLULAR TRAP (NET) FORMATION: A NOVEL INNATE IMMUNE DEFICIENCY OF HUMAN NEONATES.
Christian Yost, University of Utah

2:30  WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD*
IMPROVING INTRAUTERINE GROWTH RESTRICTION THROUGH THE PANCREATIC BETA-CELL.
Paul Rozance, University of Colorado School of Medicine

2:45 - 3:00 Intermission
3:00  E. E. OSGOOD AWARD
IDENTIFICATION OF A NOVEL BIOMARKER THAT DISCRIMINATES
HEART FAILURE ETIOLOGY.
WC Maclellan, R Maclellan, T Horwich, G Fonarow and J LeBlanc, Los Angeles, CA.
David Geffen School of Medicine at UCLA

Abstract 3

3:15  WAFMR OUTSTANDING INVESTIGATOR AWARD
RAPAMYCIN ADMINISTRATION IMPROVES METABOLIC
ABNORMALITIES AND DECREASES ADIPOSE TISSUE INFLAMMATION IN
DIET-INDUCED OBESITY.
S Subramanian, L Goodspeed, S Wang, KD O'Brien, A Chait and W Ladiges, Seattle,
WA. University of Washington

Abstract 4

3:45  WSCI OUTSTANDING INVESTIGATOR AWARD
NF-kappaB SIGNALING IN HUMAN HERPESVIRUS 8 ASSOCIATED
MALIGNANCIES.
Preet M. Chaudhary, Keck School of Medicine, University of Southern California

4:15  WSPR BUSINESS MEETING

4:15  WSCI BUSINESS MEETING

*Supported, in part, through a restricted educational grant from Abbott Nutrition, Abbott
Laboratories, Inc.

INVESTIGATOR WORKSHOPS
12:15 PM – 1:15 PM
Thursday, January 27, 2011

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

Sunset Center – Bingham #3

THINKING BEYOND PHYSICAL RISKS IN CLINICAL RESEARCH: SOCIETAL
AND GROUP HARMs
Susan Bankowski, Oregon Health and Science University

Sunset Center – Chapman #4

DEVELOPING AND USING PATIENT REGISTRIES FOR CLINICAL RESEARCH
Liron Caplan, University of Colorado Health Science Center

12
STUDENT SUBSPECIALTY AWARD 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

Monterey Beach Hotel – La Grande Room

6:00 PM – 8:00 PM
Thursday, January 27, 2011

Poster Number

1 BODY MASS INDEX AND ACUTE INJURY RISK IN CHILDREN AGE 5-17 YEARS.
L McRae, J Campbell, Q Doan, N Kissoon and A AlQahtani, Vancouver, BC, Canada. University of British Columbia (WSPR Subspecialty Award Winner) (WSMRF)

Abstract 5

2 EXAMINATION OF VERBAL INTELLIGENCE AND PHONOLOGICAL PROCESSING IN CHILDREN WITH AUTISM SPECTRUM DISORDERS AND THEIR FAMILY MEMBERS.
AL Thomson, SJ Webb, R Bernier and E Wijsman, Seattle, WA. University of Washington School of Medicine (WSPR Subspecialty Award Winner) (WSMRF)

Abstract 6

3 INCIDENCE, ETIOLOGY, AND SURVIVAL TRENDS FROM SUDDEN CARDIAC ARREST IN CHILDREN AND YOUNG ADULTS AGE 0-35 IN KING COUNTY, WASHINGTON: A 30-YEAR REVIEW.
LMeyer, JDrezner, CFahrenbruch, BStubbs, C Maeda, KHarmo and MEisenberg, Seattle, WA. University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

Abstract 7

4 PEDIATRIC MALARIA TREATMENT DELAYS ACROSS SOCIOECONOMIC LEVELS IN SUBURBAN ACCRA, GHANA.
KR Wong, New Haven, CT; La Jolla, CA and Accra, Ghana. Yale University School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

Abstract 8

5 TISSUE SPECIFIC ROLE OF DNA METHYLTRANSFERASE 4 DURING ZEBRAFISH DEVELOPMENT.
J Hooton, I Jafri and DA Jones, Seattle, WA and Salt Lake City, UT. University of Washington School of Medicine (WSPR Subspecialty Award Winner)

Abstract 9
6 ESTRADIOL17β (E2) ATTENUATES THE GNRH MEDIATED INCREASE IN INTRACELLULAR CA2+. 
M Mrdutt, C Magee, J Cantlon, D Murtazina, B Sanborn and C Clay, Seattle, WA and Fort Collins, CO. University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

Abstract 10

7 WILSON DISEASE: ABNORMAL METHIONINE METABOLISM IN PATHOGENESIS OF LIVER DAMAGE.
M Dolatshahi, S Jose, C Halsted and V Medici, Davis, CA. University of California, Davis (WAFMR/WSCI Subspecialty Award Winner)

Abstract 11

8 VITAMIN D INHIBITS PROLIFERATION AND INDUCES DIFFERENTIATION OF C2C12 SKELETAL MYOBLAST CELLS BY MODULATING THE EXPRESSION OF PRO-MYOGENIC AND ANGIGENIC GROWTH FACTORS.
KK King, LA Garcia, M Ferrini, KC Norris and JN Artaza, Los Angeles, CA. Charles R. Drew University of Medicine and Science (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

Abstract 12

9 RISK FACTORS FOR EPILEPSY IN TERM INFANTS WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY.
KJ Hong, SL Bonifacio, AJ Barkovich, JE Sullivan, EE Rogers, DM Ferriero and HC Glass, Seattle, WA and San Francisco, CA. University of Washington (WSPR Subspecialty Award Winner)

Abstract 13

10 INSULIN-LIKE GROWTH FACTOR II PEPTIDE FUSION ENABLES UPTAKE OF ALPHA-N-ACETYLGLUCOSAMINIDASE INTO MUCOPOLYSACCHARIDOSIS TYPE III B FIBROBLASTS.
C Sinow, S Kan, B Tippin, L Troitskaya, A DiStefano, A Todd, S Le and P Dickson, Torrance, CA. LA BioMed at Harbor-UCLA (WSPR Subspecialty Award Winner)

Abstract 14

11 BONE SCAN OVERUSE IN THE STAGING OF PROSTATE CANCER.
R Palvolgyi, T Daskivich, L Kwan, K Chamie and M Litwin, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

Abstract 15

12 YIN YANG 1 REGULATES THE TRANSCRIPTIONAL REPRESSION OF SURVIVIN.
N Galloway, F Li, G Sui and N Wall, Loma Linda, CA; Buffalo, NY and Winston-Salem, NC. Loma Linda University School of Medicine (WAFMR/WSCI Subspecialty Award Winner)

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<td>K Chien, R Sakurai, J Torday and V Rehan</td>
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<td>GENETIC POLYMORPHISMS OF CYTOCHROMES P450 AND PEDIATRIC ASTHMA CONTROL BY INHALED CORTICOSTEROIDS.</td>
<td>C Stockmann, B Fassl, F Nkoy, B Stone, L Willis, R Gaedigk, S Leeder and R Ward</td>
<td>University of Utah</td>
<td>WAFMR/WSCI Subspecialty Award Winner</td>
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COMBINATORY EFFECT OF BMP-2 AND APATITE COATED SCAFFOLDS ON THE OSTEOSTIMIC DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELLS.
HE Davis, E Case, S Miller and JK Leach, Davis, CA. University of California, Davis (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

Abstract 25

BREAKFAST-WITH-THE-INVESTIGATOR

Monterey Beach Hotel – Captain’s Table Room
Friday, January 28, 2011
7:00 AM – 8:00 AM

Point Alones and Point Pinos Room

MEANINGFUL PARTICIPATION IN INTERNATIONAL HEALTHCARE.
Tom Nighswander, University of Washington

THE RELEVANCE OF ORGANIZED MEDICINE.
Suzanne Allen, University of Washington

HOW WILL GENOMICS IMPACT YOUR PRACTICE?
Ken Roberts, University of Washington
Behavior and Development ............................................. Bingham Room #3, Sunset Center
Cardiovascular I .................................................................................. Il Forniao, Pine Inn
Community Health ............................................................ LaPlaya Hotel, Carmel Room
Endocrinology ....................................................................................... Room #6, Sunset Center
Genetics ................................................................................................. Rehearsal Room, Sunset Center
Health Care Research I .......................................................... Promenade Lobby, Sunset Center
Hematology and Oncology I ............................................................... Studio 105, Sunset Center
Metabolism I .................................................................................. Carlson Hall, Church of the Wayfarer
Neonatal Pulmonary I ............................................................... All Saints Church, Sanctuary
Neonatology General I ................................................................. All Saints Church, Auditorium
Neuroscience I .................................................................................. Conductor's Room, Sunset Center
Pulmonary and Critical Care I .................................................... Carmel Women’s Club
Surgery I ............................................................................................. Green Room, Sunset Center

STUDENT SCIENTIFIC SESSIONS I, II, and III
8:30 AM – 12:00 PM

STUDENT SCIENTIFIC SESSION I ............................................. Sunset Center, Chapman #4
STUDENT SCIENTIFIC SESSION II ......................................... LaPlaya Hotel, Poseiden Room
STUDENT SCIENTIFIC SESSION III ....................................... Sunset Center, Carpenter Hall

Behavior and Development
Sunset Center, Bingham Room #3
Heidi Feldman and Edward Goldson, Presiding

8:30 EXAMINATION OF VERBAL INTELLIGENCE AND PHONOLOGICAL PROCESSING IN CHILDREN WITH AUTISM SPECTRUM DISORDERS AND THEIR FAMILY MEMBERS.

AL Thomson, SJ Webb, R Bernier and E Wijsman, Seattle, WA. University of Washington School of Medicine (WSPR Subspecialty Award Winner) (WSMRF)
8:45 MISSED OPPORTUNITIES IN HIGH RISK INFANT FOLLOW-UP?
B Tang, L Huffman, H Feldman, E Gray, K Kagawa and JB Gould, Palo Alto, CA and Sacramento, CA. Stanford University School of Medicine (WSPR Mead Johnson Travel Award Winner)

9:00 USE OF DIFFUSION TENSOR IMAGING IN THE EVALUATION OF BRAIN INJURY IN ADOLESCENTS BORN PRETERM.
S Gaman-Bean, J Yeatman, E Lee, K Yeom and H Feldman, Palo Alto, CA. Stanford University

9:15 EXAMINATION OF BASELINE ATTENTION DEFICIT/HYPERACTIVITY DISORDER (ADHD) COMORBIDITIES AND THEIR ASSOCIATION WITH CAREGIVER STRESS AND DEPRESSION.
PE Pascoe, C Rockhill, K Myers, N Palmer, A Vander Stoep, J Geyer and C McCarty, Seattle, WA. University of Washington

9:30 LOW GLYCEMIC LOAD EXPERIMENTAL DIET MORE SATIATING THAN HIGH GLYCEMIC LOAD DIET.
K Chang, Y Schwarz, J Lampe and M Neuhouser, Seattle, WA. University of Washington School of Medicine (WSMRF)

9:45 GESTATIONAL AGE ASSOCIATED WITH DEVELOPMENTAL SCORES IN HEALTHY CHILEAN INFANTS BORN BETWEEN 37 AND 42 WEEKS GESTATION.
O Dolgonos, S Martinez, E Blanco, B Lozoff and S Gahagan, La Jolla, CA and Ann Arbor, MI. University of California, San Diego (WAFMR)

10:00 - 10:15 Intermission

10:15 State-of-the-Art Speaker
AUTISM: WHAT DO WE KNOW ABOUT CAMS?
Edward Goldson, University of Colorado School of Medicine

10:45 PSYCHOLOGICAL COUNSELING FOR PARENTS CARRYING A FETUS DIAGNOSED WITH A CONGENITAL HEART DISEASE.
B Creel, WN Evans, RJ Acherman, RC Rollins, WJ Castillo, CF Luna and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada

11:00 COGNITIVE PROFILES IN AUTISM SPECTRUM DISORDERS.
L Vincent and R Bernier, Seattle, WA. University of Washington School of Medicine (WSMRF)
11:15 ARE THERE CHILDREN IN NEED OF EARLY INTERVENTION SERVICES THAT ARE BEING MISSED BECAUSE THEY DO NOT HAVE A DIAGNOSIS OF A HIGH RISK CONDITION?
T Weigang and A Talmi, Aurora, CO. University of Colorado Denver School of Medicine (WSMRF)
Abstract 34

11:30 THEORY OF MIND IN CHILDREN AT RISK FOR DEVELOPING PSYCHOSIS.
RE Reidy and SK Hunter, Denver, CO. University of Colorado Denver School of Medicine
Abstract 35

11:45 THE EXPERIENCES OF AUTISTIC YOUTH LIVING IN RURAL COMMUNITIES.
JC Herring, Woodinville, WA and Seattle, WA. University of Washington
Abstract 36

Cardiovascular I
Ocean Room, Pine Inn, Il Forniao
Carlin Long, Presiding

8:30 INDUCTION VS. NON-INDUCTION: THE SAGA CONTINUES.
M Kawano, Z Goldstein, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute
Abstract 37

8:45 PRE-TRANSPLANT BLOOD TRANSFUSION CAUSING SENSITIZATION IN PATIENTS AWAITING HEART TRANSPLANTATION.
J Davidoff, M Kawano, Z Goldstein, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute
Abstract 38

9:00 THE IMPACT OF BLOOD PRESSURE CONTROL TOWARD THE OUTCOME OF HEART TRANSPLANT RECIPIENTS.
N Moradzadeh, M Kawano, Z Goldstein, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute
Abstract 39

9:15 THE OUTCOME OF AFRICAN AMERICAN HEART TRANSPLANT RECIPIENTS: ARE THEY TRULY AT RISK?
A Geskin, M Kawano, Z Goldstein, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute
Abstract 40

9:30 THE LONG-TERM BENEFIT OF RENAL SPARING PROTOCOLS DEMONSTRATE THE LACK OF NEED FOR CALCINEURIN INHIBITORS.
J Dyo, M Kawano, Z Goldstein, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute
Abstract 41
9:45 DOES GENDER MISMATCH INCREASE THE RISK OF ANTIBODY-MEDIATED REJECTION?
O Barry, M Kawano, Z Goldstein, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute
Abstract 42

10:00 - 10:15 Intermission

10:15 THE DEVELOPMENT OF LATE ONSET AMR: DOES IT EXIST?
Z Goldstein, M Kawano, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute
Abstract 43

10:30 Mentor Talk
EXPERIENCES IN HEART TRANSPLANT RESEARCH.
Jon Kobashigawa, Cedars-Sinai Heart Institute
Abstract 43

10:45 30 DAY MORTALITY AND ACUTE READMISSION FOLLOWING PERCUTANEOUS CORONARY INTERVENTION IN A COMMUNITY SETTING.
B Blakley, K Daratha and G Salvatierra, Spokane, WA and Seattle, WA. University of Washington (WSMRF)
Abstract 44

11:00 IMPACT OF METABOLIC SYNDROME ON CARDIOVASCULAR AND MENTAL DISEASES IN A VA POPULATION.
M Singh, W Gu, R Mallios, S Mcfarland, J Fong and J Huang, Fresno, CA. University of California San Francisco, Fresno (WSCI Travel Award Winner)
Abstract 45

11:15 INCIDENCE, ETIOLOGY, AND SURVIVAL TRENDS FROM SUDDEN CARDIAC ARREST IN CHILDREN AND YOUNG ADULTS AGE 0-35 IN KING COUNTY, WASHINGTON: A 30-YEAR REVIEW.
L Meyer, J Drezner, C Fahrenbruch, B Stubbs, C Maeda, K Harmon and M Eisenberg, Seattle, WA. University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)
Abstract 46

11:30 EFFECT OF RADIOFREQUENCY ABLATION OF VENTRICULAR TACHYCARDIA ON EJECTION FRACTION IN PATIENTS WITH CARDIOMYOPATHY.
W Finch, M Vaseghi and K Shivkumar, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)
Abstract 47

11:45 CHANGES IN SURVIVAL FROM PULSELESS ELECTRICAL ACTIVITY OR ASYSTOLE CARDIAC ARREST IN KING COUNTY, WA BEFORE AND AFTER IMPLEMENTATION OF THE 2005 AMERICAN HEART ASSOCIATION RESUSCITATION GUIDELINES.
JD Redshaw, PJ Kudenchuk, TD Rea, C Fahrenbruch, B Stubbs, M Eisenberg and R Phelps, Seattle, WA. University of Washington (WSMRF)
Abstract 48
8:30  PROMOTING THE INTEREST OF UNDER-REPRESENTED YOUTH IN HEALTH CARE THROUGH ONE-ON-ONE MENTORSHIP.
D Arellano, M Ebneshahrashoob, L Saldana, A Fogel and B Afghani, Irvine, CA. 
University of California, Irvine

8:45  IDENTIFYING FACTORS IN UNDER-REPRESENTATION OF MINORITY YOUTH IN HEALTHCARE CAREERS.
B Afghani, L Saldana, D Arellano, A Fogel and M Ebneshahrashoob, Irvine, CA. 
University of California

9:00  ADDRESSING CHILDHOOD OBESITY THROUGH THE DEVELOPMENT OF A FARMERS’ MARKET IN GILLETTE, WYOMING.
N Gorden, Seattle, WA. University of Washington (WSMRF)

9:15  PREVENTION OF POSTPARTUM SMOKING REPLASE IN MOTHERS TO PREVENT INFANT EXPOSURE TO SECOND-HAND SMOKE.
KK Adams and TA Merritt, Loma Linda, CA. Loma Linda University (Carmel AFMR Scholar Winner)

9:30  DEPRESSION IN YOUTH: THE ROLE OF PASTORAL CARE IN BUTTE, MT.
A Kwan, Seattle, WA. University of Washington School of Medicine (WSMRF)

9:45  ENGAGING CHILDREN IN PHYSICAL ACTIVITY AND HEALTH AWARENESS, SEATTLE WA.
TH Le, Seattle, WA. University of Washington School of Medicine (WSMRF)

10:00 - 10:15 Intermission

10:15  REDUCING FRUSTRATION TO INFANT CRYING: A LAB BASED TEST OF THE PERIOD OF PURPLE CRYING MATERIALS.
C Lou, N D'Souza, M Chen and R Barr, Coquitlam, BC, Canada and Vancouver, BC, Canada. University of British Columbia (WSMRF)

10:30  ORAL HYGIENE EDUCATION FOR OLDER CHILDREN IN CENTRALIA, WASHINGTON.
K Srivastava, Seattle, WA. University of Washington School of Medicine
10:45 ADOLESCENT SUICIDE PREVENTION IN DAYTON, WASHINGTON.
KA Wurz, Seattle, WA. University of Washington

11:00 HEALTHY LIFESTYLE INTERVENTION: EDUCATING FIFTH AND SIXTH GRADE STUDENTS WITH THE HEALTH4LIFE PROGRAM.
K Young, V Serrano, F Castillo and M Baum, Loma Linda, CA. Loma Linda University

11:15 STUDENT PERSPECTIVES ON THE INSTITUTIONAL DIVERSITY CLIMATE AT A U.S. MEDICAL SCHOOL: THE NEED FOR A BROADER DEFINITION OF DIVERSITY.
JS Dhaliwal, LA Crane, R Kilkenny, MA Valley, P Kaul, A Nyquist and SR Lowenstein, Aurora, CO and Denver, CO. University of Colorado School of Medicine

11:30 AUDIENCE RESPONSE SYSTEM USE IN UNIVERSITY OF BRITISH COLUMBIA MEDICAL SCHOOL UNDERGRADUATE EDUCATION.
I Wilson, K Afshar, L Peterson and J Masterson, Vancouver, BC, Canada. University of British Columbia

Endocrinology
Sunset Center, Room # 6
Elizabeth Haney and Matt Bouchonville, Presiding

8:30 AN UNUSUAL CASE OF SUPPURATIVE THYROIDITIS CAUSED BY ESCHERICHIA COLI AND ENTEROCOCCUS FAECALIS.
M Bouchonville and P Kapsner, Albuquerque, NM. University of New Mexico

8:45 DIAGNOSIS OF DIFFUSE IDIOPATHIC PULMONARY NEUROENDOCRINE CELL HYPERPLASIA IN A PATIENT WITH A COMPLEX PULMONARY HISTORY.
C Sadler and P Kapsner, Albuquerque, NM. University of New Mexico

9:00 ATYPICAL CASE OF THE MCCUNE ALBRIGHT SYNDROME.
MV Rastogi, DL Marks and B Boston, Portland, OR. Oregon Health and Science University

9:15 INFLUENCE OF ETHNICITY IN SUPPRESSION AND RECOVERY OF SPERMATOGENESIS IN MALE HORMONAL CONTRACEPTIVE TRIALS.
N Ilani, PY Liu, RR Swerdloff and C Wang, Torrance, CA and Sydney, NSW, Australia. Harbor-UCLA Medical Center and Los Angeles Biomedical Research Institute (Carmel AFMR Scholar Winner)
9:30 ESTRADIOL17β (E2) ATTENUATES THE GNRH MEDIATED INCREASE IN INTRACELLULAR CA2+.  
M Mrdutt, C Magee, J Cantlon, D Murtazina, B Sanborn and C Clay, Seattle, WA and Fort Collins, CO. University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)  
Abstract 65

9:45 UNDERSTANDING THE ACTIVIN-INDUCED PATHWAY FOR ENDODERM DIFFERENTIATION FROM EMBRYONIC STEM CELLS.  
A Sinha, A Kartikasari and A Bhushan, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)  
Abstract 66

10:00 - 10:15 Intermission

10:15 State-of-the-Art Speaker  
SEROTONIN AND BONE: IMPLICATIONS OF AN OLD SIGNALING SYSTEM IN A NEW LOCATION  
Elizabeth Haney, Oregon Health & Science University

10:45 DEVELOPMENT AND OPTIMIZATION OF MONOCLONAL ANTIBODIES TO ZINC TRANSPORTER 8 FOR IMMUNOHISTOCHEMISTRY.  
S Gitomer, S Sarkar, J Walter, J Wenzlau, C Lee and J Hutton, Aurora, CO. University of Colorado School of Medicine (WSMRF)  
Abstract 67

11:00 MULTIPLE AUTOIMMUNE DISORDERS IN NEW ONSET TYPE 1 DIABETES.  
TM Triolo, L Yu, D Miao, LA Scrimgeour, GJ Klingensmith, GS Eisenbarth and JM Barker, Aurora, CO. University of Colorado School of Medicine (WSMRF)  
Abstract 68

11:15 A CASE OF AN EXTREMELY AGGRESSIVE PITUITARY TUMOR.  
C Lovato, P Kapsner and M Garimella, Albuquerque, NM. University of New Mexico  
Abstract 69

11:30 LOW VITAMIN D LEVELS IN NORTHERN AMERICAN ADULTS WITH THE METABOLIC SYNDROME.  
G Jialal, T Cook, D Siegel, I Jialal and S Devaraj, Sacramento, CA. University of California, Davis  
Abstract 70

11:45 THE EFFECT OF A ONE-HOUR AEROBIC RUN ON 25-OH VITAMIN D LEVELS IN TRAINED AND UNTRAINED PREMENOPAUSAL WOMEN.  
LE Schneider, M Prowse, L Berk, NS Daher and B Haddock, Loma Linda, CA and San Bernardino, CA. Loma Linda University (WAFMR)  
Abstract 71
8:00 IMPROVED CLINICAL OUTCOMES OF CHILDREN IDENTIFIED THROUGH NEWBORN SCREENING WITH DEFECTS OF VITAMIN B12 METABOLISM. J Merritt, S Hale and S Hahn, Seattle, WA. University of Washington, Seattle Children’s Hospital

8:15 INSULIN-LIKE GROWTH FACTOR II PEPTIDE FUSION ENABLES UPTAKE OF ALPHA-N-ACETYLGUCOSAMINIDASE INTO MUCOPOLYSACCHARIDOSIS TYPE III B FIBROBLASTS. C Sinow, S Kan, B Tippin, L Troitskaya, A DiStefano, A Todd, S Le and P Dickson, Torrance, CA. LA BioMed at Harbor-UCLA (WSPR Subspecialty Award Winner)

8:30 BRAIN MRI/MRS FINDINGS IN PATIENTS WITH SMITH-LEMLI-OPITZ SYNDROME (SLOS) AND CORRELATIONS WITH CLINICAL AND BIOCHEMICAL PARAMETERS. G Flory, LS Merkens, MJ Merkens, W Woodward, CD Kroenke, J Roullet and RD Steiner, Portland, OR. Oregon Health & Science University (WSPR Mead Johnson Travel Award Winner)

8:45 State-of-the-Art Speaker
NEXT-GENERATION SEX: NOVEL GENETIC APPROACHES TO DISORDERS OF SEX DEVELOPMENT
Eric Vilain, David Geffen School of Medicine at UCLA

9:15 46,XY DISORDER OF SEX DEVELOPMENT: REPORT OF A FAMILY WITH AN APPARENTLY NOVEL X-LINKED FORM. A Myers, J Bernstein, G Lopez and L Hudgins, Stanford, CA. Stanford University

9:30 XP11.4 DUPLICATION IN A SIMILARLY AFFECTED MOTHER AND SON: A NEW RECOGNIZABLE SYNDROME WITH EXPRESSION IN THE FEMALE. B Hall, Lexington, KY. University of Kentucky

9:45 OSTEOGENESIS IMPERFECTA AND GENERALIZED ARTERIAL CALCIFICATIONS OF INFANCY. DC Monteil, GJ Kunz, ST Maurer and MJ Willis, San Diego, CA. Navy Medical Center San Diego

10:00 - 10:15 Intermission

10:15 EHLERS-DANLOS TYPE VIII, PERIODONTITIS-TYPE: FURTHER DELINEATION OF THE SYNDROME IN A 4-GENERATION PEDIGREE. E Reinsein, RY Wang, DL Rimoin and WR Wilcox, Los Angeles, CA and Orange, CA. Cedars Sinai Medical Center
**10:30** COMPARTMENT SYNDROME, A RARE COMPLICATION OF EHLERS-DANLOS SYNDROME TYPE IV.
_A Sun, E Reinstein and DL Rimoin, Los Angeles, CA. Cedars-Sinai Medical Center_  
Abstract 79

**10:45** DNA CPG DEMETHYLATION AT IGF-1 INTRON 2 STAT5B ENHANCER SITE OCCURS AT ONSET OF ADOLESCENCE.
_J Wiedmeyer, S Liu, X Yu, C Callaway, R McKnight and R Lane, Salt Lake City, UT.
University of Utah_  
Abstract 80

**11:00** DUPLICATE GENETIC TESTING IN AN INTEGRATED HEALTHCARE SYSTEM.
_MS Williams, DS Collingridge, GM Wood and J Gudgeon, Salt Lake City, UT.
Intermountain Healthcare (WSPR)_  
Abstract 81

**11:15** DE BARSY SYNDROME; REPORT OF A PREVIOUSLY UN-DESCRIBED CLINICAL FEATURE THAT SUGGESTS NEW DIRECTION FOR ETIOLOGIC INVESTIGATION.
_MJ Willis, San Diego, CA and Bethesda, MD. Naval Medical Center San Diego (WAFMR)_  
Abstract 82

**11:30** ELUCIDATING THE COMPLEXITY OF EPILEPSY: CLUES FROM 2Q23.1 DELETION.
_GJ Noh and JM Graham Jr, Los Angeles, CA. Cedars Sinai Medical Center_  
Abstract 83

**11:45** A PRENATAL DILEMMA; ELLIS-VAN CREVELD AND NEUROFIBROMATOSIS.
_AC Jelin, H Perry, J MacLean and K Rauen, San Francisco, CA. University of California, San Francisco_  
Abstract 84

Health Care Research I
Sunset Center, Promenade Lobby
Michele D. Kipke, Presiding

**8:30** BONE SCAN OVERUSE IN THE STAGING OF PROSTATE CANCER.
_R Palvolgyi, T Daskivich, L Kwan, K Chamie and M Litwin, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)_  
Abstract 85

**8:45** SCREENING FOR LYNCH SYNDROME USING COLORECTAL CANCER IMMUNOHISTOCHEMISTRY.
_A Khaki and L Madlensky, La Jolla, CA. University of California, San Diego School of Medicine_  
Abstract 86
9:00  CLINICAL AND ECONOMIC IMPACT OF FORMULARY RESTRICTION ON PHACOEMULSIFICATION.
JD Burns and PL Tsai, Tucson, AZ. University of Arizona College of Medicine

Abstract 87

9:15  INSURANCE STATUS AND EMERGENCY DEPARTMENT UTILIZATION IN PATIENTS WITH ACUTE STONE EPISODES.
DS Han, G Schroeder, G Richards, C Tenggardjaja, R Bowman, G Agarwal and D Baldwin, Loma Linda, CA. Loma Linda University (WSMRF)

Abstract 88

9:30  VARIABLES ASSOCIATED WITH HOSPITAL READMISSION OF PATIENTS WITH CONGESTIVE HEART FAILURE.
M Yusufzai, N Singh and R Sirohi, Stockton, CA. San Joaquin General Hospital

Abstract 89

9:45  EFFECT OF FAXING EMERGENCY DEPARTMENT PRESCRIPTIONS ON PHARMACY WAIT TIME AND SUBSEQUENT HEALTH CARE UTILIZATION.
TJ Fernando and LJ Baraff, Los Angeles, CA. David Geffen School of Medicine at UCLA

Abstract 90

10:00 - 10:15 Intermission

10:15  LOWERING LIPOPROTEINS AMONG EMPLOYEES: PROGRESS AT WORK.
L.W. Raymond 1,2, J. Pankowski2, H. Shiflett2, 1Carolina's Healthcare System, Charlotte, NC and 2University of North Carolina at Chapel Hill, N.C.
LW Raymond, J Pankowski and H Shiflett, Charlotte, NC. University of North Carolina, Chapel Hill (WAFMR)

Abstract 91

10:30  AN EVALUATION OF THE ORAL HEALTH STATUS OF RURAL UGANDAN SCHOOL CHILDREN ENROLLED IN ‘BRIGHTER SMILES AFRICA.

Abstract 92

10:45  State-of-the-Art Speaker
DESIGNING A HEALTH SYSTEM FOR AYA.
Roberta G. Williams, Keck School of Medicine at the University of Southern California and Children's Hospital Los Angeles

11:15  REPETITIVE STRESS SYMPTOMS IN RADIOLOGISTS IN THE DIGITAL AGE.
JP Wood, Albuquerque, NM. University of New Mexico (WSMRF)

Abstract 93
11:30 MISSION, SENSEMAKING, AND TOOLS: EXPLORING THE CAPACITY OF COMMUNITY HEALTH CENTERS TO IMPLEMENT EVIDENCE-BASED INTERVENTIONS.

D Terasaki, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 94

11:45 TRANSPARENT REPORTING OF GAMBLING EFFECTIVENESS STUDIES.

I Parhami, MD Campos, A Fink and T Fong, Los Angeles, CA. University of California - Los Angeles

Abstract 95

Hematology and Oncology I
Sunset Center, Studio 105
Virginia Broudy and Sioban Keel, Presiding

8:30 SURVIVAL OUTCOMES OF ADULTS WITH ACUTE MYELOID LEUKEMIA-A STUDY OF NATIVE AMERICAN, HISPANIC, AND NON-HISPANIC WHITES TREATED IN NEW MEXICO.

B Armijo, E Libby, D Quintana, N Rivera, C Wiggins, S Lee and M Abdul-Jaleel, Albuquerque, NM. University of New Mexico

Abstract 96

8:45 VALUE OF CONTROL GROUPS IN PHASE 2 CLINICAL TRIALS.

J Moseley, J Pagel and M Othus, Seattle, WA. University of Washington (WSMRF)

Abstract 97

9:00 SURVIVIN AS A POTENTIAL SENSOR OF OXIDATIVE STRESS IN HUMAN BREAST CANCER.

S Pervin, A Tran, L Tran, R Urman, G Chaudhuri and R Singh, Los Angeles, CA. Charles Drew University of Medicine and Science (WSCl Travel Award Winner) (WSCI)

Abstract 98

9:15 RASSF1C OVER-EXPRESSION PROTECTS LUNG CANCER CELLS FROM BETULINIC ACID EFFECTS ON CELL PROLIFERATION.

J Jo, E Franke, Y Amaar and M Reeves, Loma Linda, CA. Loma Linda University

Abstract 99

9:30 THE PENTOSTATIN PLUS CYCLOPHOSPHAMIDE (PC) NON-MYELOABLATIVE REGIMEN INDUCES DURABLE HOST T CELL FUNCTIONAL DEFICITS AND PREVENTS MARROW ALLOGRAFT REJECTION.

J Taylor, J Mariotti and DH Fowler, Albuquerque, NM and Bethesda, MD. University of New Mexico School of Medicine (WSMRF)

Abstract 100

9:45 YIN YANG 1 REGULATES THE TRANSCRIPTIONAL REPRESSION OF SURVIVIN.

N Galloway, F Li, G Sui and N Wall, Loma Linda, CA; Buffalo, NY and Winston-Salem, NC. Loma Linda University School of Medicine (WAFMR/WSCI Subspecialty Award Winner)

Abstract 101
10:00 - 10:15 Intermission

10:15 State-of-the-Art Speaker
IRON METABOLISM AND THE ANEMIA OF INFLAMMATION.
Sioban Keel, University of Washington

10:45 SLUG mRNA IS HIGHLY EXPRESSED IN SQUAMOUS LUNG CARCINOMA AND ASSOCIATED WITH EXPRESSIONS OF EGFR AND ZEB1 IN PATIENTS WITH NON-SMALL CELL LUNG CANCER (NSCLC).
JM Zhao, K Yoshida, C Mascaux, M Wynes, R Dzidziuszko, S Witta and F Hirsch, Denver, CO. University of Colorado at Denver (WSMRF)

11:00 DETECTION OF INFLAMMATORY BIOMARKERS IN THE BLOOD OF PATIENTS WITH BREAST CANCER METASTASIS.
K Mahuron, P Foubert, L Natarajan, JP Pierce and J Varner, La Jolla, CA. University of California, San Diego (WAFMR)

11:15 INFLAMMATORY MEDIATORS REGULATE IMP-3 EXPRESSION IN HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC).
C Anastasiou, J Luo and M St. John, Los Angeles, CA. David Geffen School of Medicine at UCLA

11:30 IS RACE A DETERMINANT OF SURVIVAL IN PATIENTS WITH CASTRATION RESISTANT PROSTATE CANCER TREATED WITH DOCETAXEL?
S Ravi-Kumar, C Verschraegen, and S Lee, Albuquerque, NM. University of New Mexico

11:45 DO WE KNOW WHAT CHILDREN RECEIVING LEUKEMIA/LYMPHOMA THERAPY HAVE VARICELLA ZOSTER IGG ANTIBODY PROTECTION?
L Wolff, Portland, OR. Doenbecher Children's Hospital /Oregon Health & Science University (WSPR)

Metabolism I
Church of the Wayfarer, Carlson Hall
Kristen J. Nadeau and Kathleen Colleran, Presiding

8:30 State-of-the-Art Speaker
UPDATE ON THE DEVELOPMENT OF AN ARTIFICIAL PANCREAS.
Jessica Castle, Oregon Health & Science University

9:00 PREVALENCE OF METABOLIC SYNDROME (METS) IN A MALE VETERAN CIGARETTE SMOKING POPULATION.
D DeMoss, PD Rolle, L Ferry, S Tonstad and A Fireck, Loma Linda, CA. Loma Linda University

Abstract 102
Abstract 103
Abstract 104
Abstract 105
Abstract 106
Abstract 107
9:15 TESTOSTERONE DEPRIVATION ACUTELY DIMINISHES INSULIN SENSITIVITY IN YOUNG, HEALTHY MEN.
K Rubinow, C Snyder, J Amory, W Bremner and ST Page, Seattle, WA. University of Washington (WSCI Travel Award Winner)

Abstract 108

9:30 PROTECTIVE EFFECT OR TESTOSTERONE AGAINST HIGH FAT DIET INDUCED NON-ALCOHOLIC FATTY LIVER DISEASE IN T-DEFICIENCY RATS MAY NOT BE INSULIN-DEPENDENT.
Y Jia, L Nikolaenko, C Wang, C Chong, M Diaz-Arjonilla, S Laurel, S French, JK Yee, PW Lee, Y Lue and RR Swerdloff, Torrance, CA. LA BioMed (Carmel AFMR Scholar Winner) (WAFMR)

Abstract 109

9:45 RAPAMYCIN ADMINISTRATION IMPROVES METABOLIC ABNORMALITIES AND DECREASES ADIPOSE TISSUE INFLAMMATION IN DIET-INDUCED OBESITY.
S Subramanian, L Goodspeed, S Wang, KD O'Brien, A Chait and W Ladiges, Seattle, WA. University of Washington (WAFMR Outstanding Investigator Award Winner)

Abstract 110

10:00 - 10:15 Intermission

10:15 PSYCHOLOGICAL INSULIN RESISTANCE IN A LOW-INCOME, ETHNIC MINORITY POPULATION.
SH Hsia, S Machinani and S Bazargan-Hejazi, Los Angeles, CA. Charles R. Drew University

Abstract 111

10:30 DOES CALORIC INTAKE EXPLAIN THE WEIGHT-NEUTRAL EFFECTS OF INSULIN DETEMIR VERSUS INSULIN GLARGINE IN TYPE 1 DIABETES?
M Garimella, S Mitchell and M Burge, Albuquerque, NM. University of New Mexico (WSCI Travel Award Winner)

Abstract 112

10:45 EFFECT OF INSULIN ON SPILLOVER OF MEAL DERIVED FATTY ACIDS.
RH Nelson, K Muthusamy, D Vlazny, A Smailovic and JM Miles, Rochester, MN. Mayo Clinic (Carmel AFMR Scholar Winner) (WAFMR)

Abstract 113

11:00 SITAGLIPTIN VERSUS THIAZOLIDINEDIONES AS A THIRD-LINE ORAL ANTI-HYPERGLYCEMIC AGENT IN TYPE 2 DIABETES MELLITUS.
SH Hsia, MD Navar, P Duran, M Shaheen and MB Davidson, Los Angeles, CA. Charles R. Drew University of Medicine and Science

Abstract 114

11:15 INSULIN RESISTANCE IN ADOLESCENTS WITH TYPE 1 DIABETES: ROLE OF HYPERGLYCEMIA.
L Pryor, A Hull, MC Green, J Forster, JE Reusch and KJ Nadeau, Aurora, CO and Denver, CO. University of Colorado (WSMRF)

Abstract 115
A UNIQUE CASE OF A 34 YEAR OLD WOMAN WITH TYPE-2 DIABETES PRESENTING WITH DIABETIC KETOACIDOSIS SECONDARY TO INSULIN ANTIBODIES.
M Garimella and DS Schade, Albuquerque, NM. University of New Mexico

SYNERGISTIC EFFECT OF FRUCTOSE AND INSULIN ON GLUCOSE METABOLISM IN HEPG2 CELLS.
ME Patterson, P Wahjudi, C Mao, JK Yee and PW Lee, Torrance, CA. Harbor-UCLA Medical Center (Carmel AFMR Scholar Winner)

Neonatal Pulmonary I
All Saints Church, Sanctuary
Vivek Balasubramaniam and Jason Gien, Presiding

A NOVEL METHOD FOR THE DETECTION OF NITRITE-DERIVED NITRIC OXIDE IN WHOLE BLOOD.
D Goltiao, LE Barceló, AB Blood and GG Power, Loma Linda, CA. Loma Linda University

NITRITE INFUSION AT PHYSIOLOGIC CONCENTRATIONS REDUCES CAROTID VASCULAR RESISTANCE IN FETAL SHEEP.
G Truong, H Schroeder, S Bragg, GG Power and AB Blood, Loma Linda, CA. Loma Linda University Medical Center

PRENATAL ADMINISTRATION OF ROSIGLITAZONE TO RAT PUPS DOES NOT ALTER THE ADULT METABOLIC PHENOTYPE.
H Sierra, J Liu, R Sakurai, N Truong, RJ Lee, G Zhang, PW Lee, J Torday and V Rehan, Torrance, CA. Harbor UCLA

LUNG LIPOFIBROBLASTS (LIFS) ACTIVELY RECRUIT, STORE AND RELEASE RETINOIC ACID IN RESPONSE TO PGE2.
N Truong, R Sakurai, V Rehan and J Torday, Torrance, CA. Harbor-UCLA

JOAN HODGMAN MEMORIAL LECTURE
HELPING BABIES BREATHE.
Susan Niermeyer, University of Colorado School of Medicine
To take place in All Saints Church Auditorium - this talk only

PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPARγ) AGONIST PROSTAGLANDIN J2 BLOCKS HYPOXIA-INDUCED DECREASE IN PULMONARY FGF-10 SIGNALING.
R Sakurai, A Chen, J Torday and V Rehan, Torrance, CA. Los Angeles Biomedical Institute
9:45  URINARY NITRIC OXIDE METABOLITES (NOX) AND CYCLIC GUANOSINE MONOPHOSPHATE (CGMP) IN VENTILATED EXTREMELY LOW BIRTHWEIGHT (ELBW) NEWBORNS RECEIVING INHALED NITRIC OXIDE.
H Horneman, C Chapin, A Barrette, RL Keller, R Ballard and P Ballard, San Francisco, CA. University of California, San Francisco

10:00 - 10:15 Intermission

10:15  State-of-the-Art Speaker
STEM AND PROGENITOR CELLS IN LUNG GROWTH AND REPAIR.
Vivek Balasubramaniam, University of Colorado

10:45 LIPOFIBROBLAST LIPID DROPLET TRAFFICKING CO-REGULATES ALVEOLAR TYPE II CELL (ATII) SURFACTANT PHOSPHOLIPID: PROTEIN EXPRESSION.
J Williams, R Sakurai, V Rehan and J Torday, Torrance, CA. Harbor-UCLA

11:00 LATE SURFACTANT INCREASES SURFACTANT PROTEIN (SP) LEVELS IN VENTILATED EXTREMELY LOW BIRTHWEIGHT (ELBW) NEWBORNS.
RL Keller, J Merrill, L Palermo, W Truog, R Steinhorn, R Ryan, E Eichenwald, D Durand, S Courtney, D Black, P Ballard and R Ballard, San Francisco, CA; Oakland, CA; Kansas City, MO; Chicago, IL; Buffalo, NY; Houston, TX and Stony Brook, NY. University of California, San Francisco

11:15 CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE 2 AS A POTENTIAL MEDIATOR OF BETAMETHASONE-INDUCED FETAL LUNG MATURATION.
JJ Nielson, C Li, A Li, B Chan, R Ramanathan and P Minoo, Los Angeles, CA. Keck School of Medicine, University of Southern California (WSPR Mead Johnson Travel Award Winner)

11:30 THIRDHAND SMOKE ADVERSELY AFFECTS FETAL LUNG GROWTH AND DIFFERENTIATION.
K Chien, R Sakurai, J Torday and V Rehan, Torrance, CA. Los Angeles Biomedical Institute (WSPR Subspecialty Award Winner)

11:45 MECHANICAL VENTILATION OF PRETERM LAMBS LEADS TO MORE APOPTOSIS AND LESS PROLIFERATION OF NEURONS AND GLIA.
J Alvord, A Wint, MJ McCoy, L Dong, M Dahl, C Callaway, R McKnight, BA Yoder, R DiGernimo, RH Lane and K Albertine, Salt Lake City, UT. University of Utah (WSPR Abbott Nutrition Lowell Glasgow Student Research Award) (WSMRF)
8:00 TRACT BASED SPATIAL STATISTICS OF NEONATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY: SELECTIVE INVOLVEMENT OF CORTICAL SPINAL TRACT.
A Weiner, R Ceschin, J Wisnowski, E Tokar, A Nagasunder, S Bluml, R Ramanathan, L Paquette and A Panigrahy, Los Angeles, CA and Pittsburgh, PA. University of Southern California

8:15 ELECTRICAL FIELD STIMULATION OF THE SUPERIOR CERVICAL GANGLION ATTENUATES CEREBRAL BLOOD FLOW IN TERM AND PRETERM LAMBS.
AJ Czynski, AB Blood and J Buchholz, Loma Linda, CA. Loma Linda University

8:30 COMPARISON OF UMBILICAL VENOUS AND INTRAOSSEOUS ACCESS DURING SIMULATED NEONATAL RESUSCITATION.
A Rajani, R Chitkara and L Halamek, Palo Alto, CA. Stanford University School of Medicine

8:45 COMPARISON OF CARDIAC OUTPUT MEASUREMENTS BETWEEN ELECTRICAL CARDIOMETRY (EC) AND ECHOCARDIOGRAPHY.
RG Cayabyab, S Bhombal, M Ebrahimi and I Seri, Los Angeles, CA. LAC+USC Medical Center (WSPR)

9:00 THE JOAN HODGMAN MEMORIAL LECTURE
HELPING BABIES BREATHE.
Susan Niermeyer, University of Colorado School of Medicine

9:30 TRACT BASED SPATIAL STATISTICS (TBBS) OF ECMO-RELATED NEONATAL BRAIN INJURY: INITIAL EXPERIENCE.
V Arora, R Ceschin, J Wisnowski, A Nagasunder, S Bluml, R Ramanathan, L Paquette and A Panigrahy, Los Angeles, CA and Pittsburgh, PA. Children’s Hospital Los Angeles

9:45 THE EFFECT OF ANTITHROMBIN III ON BLOOD PRODUCT REQUIREMENTS DURING NEONATAL EXTRACORPOREAL MEMBRANE OXYGENATION SUPPORT.
R Perry, L Klee, R Ramanathan, J Stein, I Seri and P Friedlich, Los Angeles, CA. Children’s Hospital Los Angeles, University of Southern California Keck School of Medicine
10:00 DEVELOPMENTAL MASSAGE THERAPY (DMT) PROMOTES PARASYMPATHETIC NERVOUS SYSTEM ACTIVITY IN PRETERM INFANTS.
S Smith, S Haley, B Wong and LJ Moyer-Mileur, Salt Lake City, UT. University of Utah
Abstract 135

10:15 - 10:30 Intermission

10:30 A RANDOMIZED, MASKED, PLACEBO CONTROLLED STUDY TO ASSESS THE SAFETY AND EFFICACY OF DARBEPOETIN ALFA ADMINISTERED TO PRETERM INFANTS.
R Ohls, RD Christensen, S Wiedmeier, BD Kamath, A Rosenberg, R Schrader, C Backstrom-Lacy, D Lambert, J Burnett, B Pruckler and H Peceny, Albuquerque, NM; Denver, CO and Salt Lake City, UT. University of New Mexico
Abstract 136

10:45 EFFECT OF FLUORESCENT LIGHT EXPOSURE ON METALLOPORPHYRIN-TREATED NEWBORN MICE.
S Schulz-Geske, FS Kalish, H Zhao, Y Katayama, KA Champion, HJ Vreman, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine (WSPR Mead Johnson Travel Award Winner)
Abstract 137

11:00 ROLE OF HEME OXYGENASE IN A MURINE MODEL OF EARLY NECROTIZING ENTEROCOLITIS.
S Schulz-Geske, FS Kalish, KY Jang, H Zhao, M Huey, HJ Vreman, KS Sylvester, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine
Abstract 138

11:15 MAGNETIC RESONANCE IMAGING (MRI) TO ASSESS CEREBRAL INJURY AND PREDICT NEURODEVELOPMENTAL OUTCOMES IN INFANTS BORN WITH CONGENITAL DIAPHRAGMATIC HERNIA (CDH).
M Chen, SL Bonifacio, HC Glass, EE Rogers, J Barkovich and RL Keller, San Francisco, CA. University of California, San Francisco
Abstract 139

11:30 RISK FACTORS FOR EPILEPSY IN TERM INFANTS WITH HYPOXIC ISCHEMIC ENCEPHALOPATHY.
KJ Hon, SL Bonifacio, AJ Barkovich, JE Sullivan, EE Rogers, DM Ferriero and HC Glass, Seattle, WA and San Francisco, CA. University of Washington (WSPR Subspecialty Award Winner)
Abstract 140

11:45 COMPARISON OF CEREBRAL REGIONAL OXYGEN SATURATION (CRSO2) AND RENAL REGIONAL OXYGEN SATURATION (RRSO2) RESPONSE TO OXYGEN DESATURATION IN EXTREMELY LOW BIRTH WEIGHT INFANTS (ELBW) DURING THE FIRST 72 HOURS OF POSTNATAL LIFE.
S Soleymani, R Cayabyab and I Seri, Los Angeles, CA. Children’s Hospital
Abstract 141
Neuroscience I
Sunset Center, Conductor’ Room
Marie-Francoise Chesselet and Edward Wagner, Presiding

9:00  AMYLOID BETA INJECTION IN AXONAL TERMINAL SITES RESULTS IN MOUSE OPTIC TRACT DEGENERATION.
D Carrick and S Sun, Loma Linda, CA. Loma Linda University

9:15  TEMPORAL ALTERATIONS IN LESION VOLUME IN A RAT MODEL OF REPETITIVE MILD TRAUMATIC BRAIN INJURY.
M Muellner, J Coats, A Mohd-Yusof, K Neglario, A Obenaus and L Huang, Loma Linda, CA; Loma Linda University, CA; Riverside, CA and San Bernardino, CA. Loma Linda University (WSMRF)

9:30  ELEVATED LEVELS OF CASPASE 14 IN PATIENTS WITH ALZHEIMER’S DISEASE.
J Van Ornam, A Crofton, M Schrag, M Zabel, C Mueller, H Vinters and W Kirsch, Loma Linda, CA; Fairfax, VA and Los Angeles, CA. Loma Linda University

9:45  SURGERY DURATION VERSUS BRAIN IN JURY IN THE NEONATAL RAT MODEL OF HYPOXIA-ISCHEMIA.
M Burris, H Chen, A Fajilan and JH Zhang, Loma Linda, CA. Loma Linda University School of Medicine

10:00 - 10:15 Intermission

10:15  INVESTIGATING THE CURRENT BIOLOGICAL MODEL OF ADDICTION.
JK Lawhorn, Seattle, WA. University of Washington School of Medicine (WSMRF)

10:30  INHIBITION OF ASTROCYTE GLT-1 IN THE VENTROMEDIAL HYPOTHALAMUS ENHANCES THE EPINEPHRINE RESPONSE IN HYPOGLYCEMIA COUNTERREGULATORY FAILURE.
N Shalygin and N Sanders, Seattle, WA. University of Washington School of Medicine (WSMRF)

10:45  MEASURING DEPRESSION SEVERITY IN PATIENTS WITH EPILEPSY.
H Dehdashti, D Labiner and J Chong, Tucson, AZ. University of Arizona College of Medicine

11:00  STUDY OF THE NEUROPHYSIOLOGY OF COGNITIVE DYSFUNCTION IN PARKINSON'S DISEASE.
KA Baker, Aurora, CO. University of Colorado Denver (WSMRF)
11:15 REPRODUCIBILITY OF GAMMA-BAND RESPONSE RECORDED BY MAGNETOECEPHALOGRAPHY AND ELECTROENCEPHALOGRAPHY.
*ST Simon* and DC Rojas, Denver, CO. *University of Colorado Health Sciences Center*

Abstract 150

11:30 THE EFFECT OF PRENATAL ALCOHOL EXPOSURE ON SUBSEQUENT ETHANOL CONSUMPTION AFTER THE ADOLESCENT EXPERIENCE OF A TRAUMATIC EVENT IN MALE C57BL/6J MICE: A PILOT STUDY.
*KJ Drexler* and KK Caldwell, Albuquerque, NM. *University of New Mexico School of Medicine (WSMRF)*

Abstract 151

11:45 MGMT BIOCHEMICAL ACTIVITY IS ASSOCIATED WITH MYELOSUPPRESSION FOLLOWING THERAPY WITH TEMOZOLOMIDE.
*J Olson*, J Silber and M Chamberlain, Mercer Island, WA. *University of Washington (WSMRF)*

Abstract 152

Pulmonary and Critical Care I
Carmel Women's Club
*Gustavo Matute-Bello and Michel Boivin, Presiding*

8:30 DIFFUSE OPTICAL SPECTROSCOPY MONITORING OF CYTOCHROME C OXIDASE REDOX STATE DURING PHYSIOLOGICAL CHALLENGES IN ANIMAL MODELS.
*J Lee*, JG Kim, S Mahon, D Mukai, R Patino, JA Longoria, R Sato and M Brenner, Irvine, CA. *University of California, Irvine*

Abstract 153

8:45 ONTOGENY AND HIGH ALTITUDE INFLUENCE CA²⁺ SPARKS IN SHEEP PULMONARY ARTERIAL MYOCYTES.
*SR Hadley*, Q Blood, P Le, LD Longo, J Buchholz, DG Papamatheakis, GD Smith and SM Wilson, Loma Linda, CA and Williamsburg, VA. *Loma Linda University (WSMRF)*

Abstract 154

9:00 EFFECTS OF ISCHEMIC CONDITIONING AND ALTITUDE ON BRACHIAL ARTERY FLOW MEDIATED DILATION.
*PC Giri*, B Matus, D Rodgers, M Saleh, X Lin, G Foster and JD Anholm, Loma Linda, CA. *Loma Linda University (California Thoracic Society Scholar Winner) (CTS)*

Abstract 155

9:15 COMPARISON OF SVV TO SCVO2 IN PATIENTS UNDERGOING MAJOR SURGICAL PROCEDURES.
*NC King*, BM Blair, C Collier, RL Applegate, C Sanghvi and M Allard, Loma Linda, CA. *Loma Linda University Medical Center*

Abstract 156

9:30 VITAMIN D RECEPTOR DELETION DISRUPTS NORMAL LUNG DEVELOPMENT AND LEADS TO AN ASTHMA PHENOTYPE.
9:45 SIMVASTATIN INHIBITS EXPRESSION OF EOTAXINS IN MOUSE AND HUMAN AIRWAY EPITHELIUM: IMPLICATIONS FOR THE TREATMENT OF ALLERGIC ASTHMA.
AA Zeki, P Thai and R Wu, Sacramento, CA and Davis, CA. University of California, Davis Medical Center (WSCI Travel Award Winner) (WAFMR)

10:00 - 10:15 Intermission

10:15 State-of-the-Art Speaker
RECENT ADVANCES IN OUR UNDERSTANDING OF ACUTE LUNG INJURY.
Gustavo Matute-Bello, University of Washington

10:45 DEVELOPMENT OF A COBINAMIDE-BASED CYANIDE SENSOR TO RAPIDLY DETECT CYANIDE TOXICITY.
JA Longoria, A Vo, W Blackledge, I Yoshii, T Le, R Liou, S Mahon, G Boss and M Brenner, Orange, CA; Irvine, CA and San Diego, CA. University of California Irvine Medical Center

11:00 TEMPORARY ARM OCCLUSION MAY REVEAL LEVEL OF CYANIDE TOXICITY.
JG Kim, J Lee, S Mahon, D Mukai, D Yoon and M Brenner, Irvine, CA and Orange, CA. University of California Irvine (Carmel AFMR Scholar Winner)

11:15 LETHAL LEVEL CYANIDE POISONING REVERSAL BY INTRAMUSCULAR INJECTION OF COBINAMIDE.
D Yoon, J Lee, JG Kim, D Mukai, S Mahon, G Boss, W Blackledge and M Brenner, Irvine, CA and La Jolla, CA. Beckman Laser Institute

11:30 POSTNATAL MATURATION DECREASES THE ROLE OF RH0-KINASE IN ELECTROMECHANICAL COUPLING OF SHEEP PULMONARY ARTERIES.
D Papamatheakis, S Vemulakonda, J Patel, Q Blood, T Merritt, LD Longo and SM Wilson, Loma Linda, CA. Loma Linda University Medical Center (Carmel AFMR Scholar Winner) (CTS)

11:45 COUGH AND CHEST BULGE: A RARE CASE OF SPONTANEOUS LUNG HERNIATION.
P C Giri and JD Anholm, Loma Linda, CA. Loma Linda VA Healthcare System (CTS)
8:30  EFFECT OF KIDNEY REST ELEVATION ON POSTOPERATIVE CREATININE KINASE LEVELS IN HAND-ASSISTED LAPAROSCOPIC DONOR NEPHRECTOMY.
      E Peters, G Agarwal, G Richards, C Tenggadjaja, R Bowman and D Baldwin, Loma Linda, CA. Loma Linda University
      Abstract 164

8:45  ADIPOSE DERIVED-STEM CELL ADHERENCE, PROLIFERATION, AND MIGRATION ON ALLODERM® MATRIX.
      GC Slack, S Hagvall, P Zuk, P Rahgozar, A Yaghoubian, E Kruger, N Ehsani, C Tabit and J Bradley, CA, CA and Los Angeles, CA. David Geffen School of Medicine at UCLA
      Abstract 165

9:00  COMBINATORY EFFECT OF BMP-2 AND APATITE COATED SCAFFOLDS ON THE OSTEOGENIC DIFFERENTIATION OF HUMAN MESENCHYMAL STEM CELLS.
      HE Davis, E Case, S Miller and JK Leach, Davis, CA. University of California, Davis (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)
      Abstract 166

9:15  RETROPERITONEAL ANATOMY: IMPLICATIONS FOR INGUINODYNIA.
      AS Mannan, A Walker, E Stark and S Towfigh, Los Angeles, CA. David Geffen School of Medicine at UCLA
      Abstract 167

9:30  TELEMEDICINE PRE-ANESTHESIA CONSULTATION PROVIDES ACCURATE AIRWAY EXAM INFORMATION.
      B Wolford, B Gildea, RL Applegate, G Stier, R Patchin and J Nyirady, Loma Linda, CA. Loma Linda University (WSMRF)
      Abstract 168

9:45  FAILURE STRENGTH OF TENDON REPAIR WITH VARYING STITCH COUNT IN THE PULVERTAFT WEAVE AND SIDE-TO-SIDE TECHNIQUES.
      CR Adair, P Williams, S Inceoglu and MD Wongworawat, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)
      Abstract 169

10:00 - 10:15 Intermission

10:15  OCULAR IMAGING TECHNIQUES: AN USEFUL TOOL IN THE DIAGNOSIS AND MANAGEMENT OF PATIENTS WITH ANTERIOR SEGMENT PATHOLOGY.
       N Dehdashti and R Ursea, Tucson, AZ. University of Arizona College of Medicine
       Abstract 170
10:30 URETEROSCOPY WITHOUT INTRA-OPERATIVE FLUOROSCOPIC IMAGING AS A SAFE ALTERNATIVE.
B Baldwin, G Richards, G Agarwal, C Tenggardjaja, R Bowman and DD Baldwin, Loma Linda, CA. Loma Linda University

10:45 RECONSTRUCTIVE OR COSMETIC PLASTIC SURGERY: FACTORS INFLUENCING THE TYPE OF PRACTICE ESTABLISHED BY CANADIAN PLASTIC SURGEONS.
C McInnes, D Courtemanche, C Verchere, K Bush and J Arneja, Vancouver, BC, Canada. University of British Columbia

11:00 LIGHTS, CAMERA, SURGERY 2010: EXPANSION AND STANDARDIZATION OF THE PRODUCTION OF SURGICAL EDUCATION LEARNING RESOURCES.
K Kwan, D Duffy, J Masterson and G Blair, Vancouver, BC, Canada. University of British Columbia

11:15 X-STOP IMPLANTATION FOR THE TREATMENT OF NEUROGENIC INTERMITTENT CLAUDICATION.
N Heyrani, SK Huo and A Shamie, Los Angeles, CA and Santa Monica, CA. David Geffen School of Medicine at UCLA (WSMRF)

11:30 COMPARISON OF RADIATION EXPOSURE AND COST BETWEEN PERCUTANEOUS RADIOFREQUENCY AND CRYOABLATION IN THE TREATMENT OF SMALL RENAL MASSES.
G Schroeder, G Richards, G Agarwal, J Smith and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine

11:45 RELATIONSHIP OF ESOPHAGEAL MUCOSAL OXYGEN SATURATION TO GASTROINTESTINAL FUNCTION IN PATIENTS UNDERGOING CARDIOPULMONARY BYPASS: A PRELIMINARY REPORT.
BM Blair, NC King, RL Applegate, C Sanghvi, IR Dorotta and JW Gatling, Loma Linda, CA. Loma Linda University Medical Center (WSMRF)
STUDENT SCIENTIFIC SESSION I
Global Health
WESTERN STUDENT MEDICAL RESEARCH FORUM
Sunset Center, Chapman #4
8:30 AM – 11:30 AM
Friday, January 28, 2011

Peter Eveland and Mira Estin, Presiding

8:30 EVALUATION OF THE FEASIBILITY AND EFFECTIVENESS OF A COMPLEMENTARY FEEDING INTERVENTION FOR REDUCTION OF CHILDHOOD MALNUTRITION IN KENYA.
R Ashton, K McCalmont, A Tomedi and F Rohan-Minjares, Albuquerque, NM. University of New Mexico School of Medicine
Abstract 177

8:45 NUTRITION EDUCATION IN THE BHUTANESE NEPALI REFUGEE COMMUNITY OF TWIN FALLS, ID.
T Brito, Seattle, WA. University of Washington (WSMRF)
Abstract 178

9:00 ADDRESSING THE HEALTHCARE WORKER SHORTAGE IN RURAL UGANDA BY TRAINING VILLAGE HEALTH WORKERS.
B Cluka, Seattle, WA. University of Washington (WSMRF)
Abstract 179

9:15 REDUCING TYPHOID INFECTIONS IN ANTSIRABE, MADAGASCAR THROUGH THE PROMOTION OF HANDWASHING AND HOUSEHOLD WATER PURIFICATION.
E Embick, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 180

9:30 REDUCING CHILD MORTALITY THROUGH THE INTEGRATION OF VITAMIN A SUPPLEMENTATION WITH THE MANAGEMENT OF INFECTIOUS DISEASE IN UGANDA.
N Furukawa, Seattle, WA. University of Washington
Abstract 181

9:45 COMMUNITY-BASED DENTAL HEALTH EDUCATION IN THE PHILIPPINES.
NA Hale, Seattle, WA. University of Washington (WSMRF)
Abstract 182

10:00 - 10:15 Intermission
10:15 REDUCING INTESTINAL PARASITIC INFECTIONS IN RURAL PERU THROUGH COMMUNITY EDUCATION.
L Pudwill, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 183

10:30 WHAT NEW KNOWLEDGE DO STUDENTS GAIN FROM INTERNATIONAL HEALTH WORK?
F To, Vancouver, BC, Canada. University of British Columbia
Abstract 184

10:45 THE TREATMENT AND PREVENTION OF DIARRHEA AND DEHYDRATION IN RURAL MONGOLIA.
R Wallace, Seattle, WA. University of Washington School of Medicine
Abstract 185

11:00 PEDIATRIC MALARIA TREATMENT DELAYS ACROSS SOCIOECONOMIC LEVELS IN SUBURBAN ACCRA, GHANA.
KR Wong, New Haven, CT; La Jolla, CA and Accra, Ghana. Yale University School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)
Abstract 186

11:15 FACTORS AFFECTING PERCEIVED HEALTH OF LATINA CAREGIVERS IN EAST LOS ANGELES.
LM Wolchok and C Mendez-Luck, Los Angeles, CA. David Geffen School of Medicine at UCLA
Abstract 187

STUDENT SCIENTIFIC SESSION II

Community Health

WESTERN STUDENT MEDICAL RESEARCH FORUM

LaPlaya Hotel, Poseidon Room

8:30 AM – 11:15 AM
Friday, January 28, 2011

Jay Erickson and Csilla Felsen, Presiding

8:30 DEVELOPING PHYSICAL FITNESS PROGRAMS FOR SENIOR ADULTS IN MONTPELIER, ID.
TD Aebischer, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 188

8:45 AN ALTERNATIVE SAFETY NET TO THE EMERGENCY ROOM: A FREE MEDICAL CLINIC FOR THE HOMELESS IN SPOKANE, WASHINGTON.
CS Inaba, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 189
9:00  SOCIODEMOGRAPHIC PREDICTORS OF TRAVEL DISTANCE TO A FREE CLINIC IN LOS ANGELES.
MJ Kim, H Ra, YK Han and A Jo, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)
Abstract 190

9:15  COLLABORATION IN SUBSTANCE ABUSE PREVENTION.
BD Marvinsmith, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 191

9:30  ADDRESSING POSTPARTUM TESTING OF GESTATIONAL DIABETES MELLITUS IN OTHELLO, WA.
K Morgan, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 192

9:45  CREATION OF A SUPPORT GROUP FOR FAMILIES OF DRUG AND ALCOHOL ABUSERS.
R Naderi, Seattle, WA. University of Washington (WSMRF)
Abstract 193

10:00 - 10:15 Intermission

10:15  PROMOTING CHILDREN’S ORAL HEALTH IN SHELTON, WASHINGTON.
M Parker, Seattle, WA. University of Washington (WSMRF)
Abstract 194

10:30  IMPROVING IMMUNIZATION ADHERENCE IN THE COMMUNITY OF SHOSHONE, IDAHO.
M Rohrbach, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 195

10:45  PSYCHOSOCIAL MEDIATORS TO PHYSICAL ACTIVITY DURING THE PERINATAL PERIOD: A SYSTEMATIC REVIEW OF THE LITERATURE.
AR Stevens and J Leiferman, Denver, CO. University of Colorado at Denver (WSMRF)
Abstract 196

11:00  SCREENING PREGNANT WOMEN FOR ADVERSE CHILDHOOD EXPERIENCES IN PORT TOWNSEND, WASHINGTON.
B Wooldridge, Bremerton, WA. University of Washington (WSMRF)
Abstract 197
STUDENT SCIENTIFIC SESSION III
Adolescent Medicine, Pediatrics, and Neonatal

WESTERN STUDENT MEDICAL RESEARCH FORUM
Sunset Center, Carpenter Hall
8:30 AM – 11:30 AM
Friday, January 28, 2011

Rich Hillman and Hillary Davis, Presiding

8:30 WOMEN INFANTS AND CHILDREN (WIC) POLICY CHANGE: EFFECTS ON FRUIT AND VEGETABLE CONSUMPTION AMONG LOW-INCOME CHILDREN NEW MEXICO.
E Greig, S Davis and O Myers, Albuquerque, NM. University of New Mexico School of Medicine
Abstract 198

8:45 CHARACTERIZING THE TRIGGERS OF PEDIATRIC ASTHMA IN A RURAL ENVIRONMENT.
RY Mandell and C Karr, Seattle, WA. University of Washington (WSMRF)
Abstract 199

9:00 BICEPS BRACHII LONG HEAD OVERACTIVITY ASSOCIATED WITH ELBOW FLEXION CONTRACTURE IN BRACHIAL PLEXUS BIRTH PALSY.
L Sheffler, L Lattanza, M Sison-Williamson and M James, Sacramento, CA. University of California, Davis School of Medicine (WSMRF)
Abstract 200

9:15 INCREASING ADOLESCENT SPORTS PARTICIPATION TO PREVENT TOBACCO USE IN BUFFALO, WYOMING.
DM Conway, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 201

9:30 VIOLENCE IN THE COMMUNITY: A COMPREHENSIVE CURRICULUM TO PRODUCE YOUTH PEER-ADVOCATES FOR VICTIMS OF VIOLENCE.
A Hunziker, Seattle, WA. University of Washington (WSMRF)
Abstract 202

9:45 INCREASING ACCESS TO ADOLESCENT REPRODUCTIVE HEALTH SERVICES ON PRINCE OF WALES ISLAND, ALASKA.
CL Martinez, Seattle, WA and Klawock, AK. University of Washington School of Medicine (WSMRF)
Abstract 203

10:00 - 10:15 Intermission
10:15 ALCOHOL ABUSE PREVENTION AMONG ADOLESCENTS IN
COTTONWOOD, ID.
K Parden, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 204

10:30 LIVER EXPRESSION OF IGF-1 IS NOT DECREASED IN PRETERM LAMBS
VENTILATED FOR 3 DAYS AND WEANED FROM VENTILATION.
C Block, M Dahl, N Von Der Ahe, MJ McCoy, Z Wang, L Dong, R McKnight, D Null,
BA Yoder, RH Lane and K Albertine, Salt Lake City, UT. University of Utah (WSMRF)
Abstract 205

10:45 IL-17 PRODUCTION BY CORD BLOOD MONONUCLEAR CELLS IS
DIMINISHED COMPARED TO ADULTS.
JE Caron, TR La Pine, NH Augustine, TB Martins and HR Hill, Salt Lake City, UT.
University of Utah
Abstract 206

11:00 GLUCOSE TRANSPORTER MRNA EXPRESSION IN PLACENTAS OF
GROWTH-RESTRICTED FETUSES.
JE Kim, J Cho, B Shin, S Devaskar and C Janzen, Los Angeles, CA. David Geffen School
of Medicine at UCLA (WSMRF)
Abstract 207

11:15 PATIENT/FAMILY CHARACTERISTICS IN AMERICAN INDIAN CHILD AND
ADOLESCENT QUALITY OF CARE RESEARCH.
M Podlogar and DK Novins, Aurora, CO. University of Colorado Health Sciences Center
Abstract 208

INVESTIGATOR WORKSHOPS

12:15 PM – 1:15 PM
Friday, January 28, 2011

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

Sunset Center – Bingham #3

THINKING BEYOND PHYSICAL RISKS IN CLINICAL RESEARCH: SOCIETAL
AND GROUP HARMs
Susan Bankowski, Oregon Health and Science University

Sunset Center – Chapman #4

DEVELOPING AND USING PATIENT REGISTRIES FOR CLINICAL RESEARCH
Liron Caplan, University of Colorado Health Science Center
CONCURRENT SESSIONS

&

STUDENT SCIENTIFIC SESSIONS

Friday, January 28, 2011
1:30 PM

Jointly sponsored by

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

Adolescent Medicine and General Pediatrics.........................Carpenter Hall, Sunset Center
Cardiovascular II.................................................Il Forniao, Pine Inn
Gastroenterology and Hepatology.................................Green Room, Sunset Center
Health Care Research II.....................................Promenade Lobby, Sunset Center
Immunology and Rheumatology I..................................Studio 105, Sunset Center
Infectious Diseases...............................................Room #6, Sunset Center
Morphogenesis and Malformations.................................Rehearsal Room, Sunset Center
Neonatology General II.........................................All Saints Church, Auditorium
Nephrology and Hypertension.....................................Conductor’s Room, Sunset Center

STUDENT SCIENTIFIC SESSIONS IV and V
1:30 PM – 5:00 PM

STUDENT SCIENTIFIC SESSION IV.......................... Sunset Center – Chapman #4
STUDENT SCIENTIFIC SESSION V............................. Sunset Center – Bingham #3

Adolescent Medicine and General Pediatrics
Sunset Center, Carpenter Hall
Cora C. Breuner and Ann Giesel, Presiding

1:00 BICYCLE AND ATV HELMET SAFETY IN MCCALL, IDAHO.
H Hallett, Seattle, WA. University of Washington (WSMRF)

1:15 MATERNAL RISKS, COMMUNITY VIOLENCE EXPOSURE AND SELF-REPORTED ASTHMA AMONG CHILDREN IN FOSTER CARE.
J Hellyer, SE Culhane, EF Garrido, CL Petrenko and HN Taussig, Aurora, CO. University of Colorado Denver (WSMRF)
1:30 INTRATUBULAR GERM CELL NEOPLASIA IN THE PEDIATRIC POPULATION: A CASE REPORT.
K DeGirolamo and J Masterson, Vancouver, BC, Canada. University of British Columbia
Abstract 211

1:45 LEARN PEDIATRICS: CREATING A WEB-BASED MULTIMEDIA RESOURCE FOR MEDICAL STUDENTS LEARNING PEDIATRIC CLINICAL SKILLS.
Abstract 212

2:00 State-of-the-Art Speaker
UPDATES IN ADOLESCENT GYNECOLOGY: WHAT'S NEW IN CONTRACEPTION, DIAGNOSIS AND MANAGEMENT OF POLYCYSTIC OVARIAN SYNDROME AND STD TREATMENTS.
Ann Giesel, University of Washington, Seattle Children's Hospital

2:45 SMOKING PREVENTION IN ADOLESCENT GIRLS.
AJ Ball, Seattle, WA. University of Washington School of Medicine (WSMRF)
Abstract 213

3:00 BRIGHTER SMILES: A COMPARISON OF GROWTH IN RURAL UGandan CHILDREN TO WHO STANDARDS.
Abstract 214

3:15 – 3:30 Intermission

3:30 DISPARIETY IN HEALTH LITERACY BETWEEN ENGLISH SPEAKING AND SPANISH SPEAKING PARENTS OF HOSPITALIZED CHILDREN.
J McDermott, M Joseph and R Poynter, Madera, CA and Fresno, CA. Children's Hospital Central California (WSPR Mead Johnson Travel Award Winner) (WSMRF)
Abstract 215

3:45 KEY ELEMENTS FOR SUCCESSFUL GLOBAL HEALTH EDUCATION ELECTIVES: LESSONS FROM “BRIGHTER SMILES AFRICA”.
Abstract 216

4:00 BODY MASS INDEX AND ACUTE INJURY RISK IN CHILDREN AGE 5-17 YEARS.
L McRae, J Campbell, Q Doan, N Kissoon and A AlQahtani, Vancouver, BC, Canada.
University of British Columbia (WSPR Subspecialty Award Winner) (WSMRF)
Abstract 217
4:15 CONCUSSION EVALUATION METHODS AMONG WASHINGTON STATE HIGH SCHOOL FOOTBALL COACHES AND ATHLETIC TRAINERS.
A Murphy, MS Kaufman, DB Coppel, I Molton and SA Herring, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 218

4:30 ATHLETIC PARTICIPATION AND SUBSTANCE USE IN UNIVERSITY STUDENTS.
A Hsii, J Carlson and R Peebles, Palo Alto, CA and Philadelphia, PA. LPCH

Abstract 219

4:45 IDENTIFICATION AND MANAGEMENT OF OVERWEIGHT AND OBESE PEDIATRIC PATIENTS HOSPITALIZED IN AN ACADEMIC HOSPITAL.
MA King, F Nkoy, S Halbern and C Maloney, Salt Lake City, UT. University of Utah

Abstract 220

Cardiovascular II
Ocean Room, Pine Inn, Il Forniao
W. Robb Maclellan, Presiding

1:30 HEME OXYGENASE-1 IS PROTECTIVE IN AN EXPERIMENTAL MODEL OF ABDOMINAL AORTIC ANEURYSM.
J Azuma, RJ Wong, L Maegdefessel, H Zhao, FS Kalish, A Deng, DK Stevenson and PS Tsao, Stanford, CA. Stanford University School of Medicine (Carmel AFMR Scholar Winner)

Abstract 221

1:45 IDENTIFICATION OF A NOVEL BIOMARKER THAT DISCRIMINATES HEART FAILURE ETIOLOGY.
WC Maclellan, R Maclellan, T Horwich, G Fonarow and J LeBlanc, Los Angeles, CA. David Geffen School of Medicine at UCLA (E.E. Osgood Winner)

Abstract 222

2:00 State-of-the-Art Speaker
USE OF BIOMARKERS IN HEART FAILURE: NEW THOUGHTS ON AN OLD PROBLEM.
W. Robb Maclellan, David Geffen School of Medicine at UCLA

2:30 ZOTAROLIMUS DRUG ELUTING STENTS IN PERCUTANEOUS REVASCULARIZATION COMPARED TO 1ST GENERATION DES IN HIGH RISK PATIENTS WITH LEFT MAIN CORONARY ARTERY DISEASE.
M Shanmugasudaram, V Ram, S Jayasuria, J Dewar, R Boyella, N Kalra, S Goldman and HM Thai, Tucson, AZ. University of Arizona/SAVAHCS Medical Center

Abstract 223

2:45 IMPACT OF RECENT DEVICE PROCEDURES ON THE INCIDENCE OF CARDIAC DEVICE INFECTION UNDERGOING EXTRACTION.
T Moukabary, J Indik, P Ott and S Thal, Tucson, AZ. University of Arizona/SAVAHCS
3:00 CARDIOMYOPATHY FACTORS IN DUCHENNE MUSCULAR DYSTROPHY.
A Gray, F Meaney, JG Andrews, CM Cunniff and BJ Barber, Tucson, AZ. University of Arizona College of Medicine

3:15 - 3:30 Intermission

3:30 THE EFFECT OF IVUS GUIDANCE ON CLINICAL OUTCOMES IN PERCUTANEOUS REVASCULARIZATION COMPARED TO CORONARY ARTERY BYPASS GRAFTING AMONG HIGH RISK PATIENTS WITH LEFT MAIN CORONARY ARTERY DISEASE.
M Shanmugasudaram, V Ram, S Jayasuria, J Dewar, J Nguyen, R Boyella, S Goldman and HM Thai, Tucson, AZ. University of Arizona/SAVAHCS Medical Center

3:45 CHEST PAIN AND ST ELEVATION: THE BRUGADA ALTERNATIVE (CASE REPORT).
M Lyons and D Ratliff, Albuquerque, NM. University of New Mexico

4:00 TAKOTSUBO CARDIOMYOPATHY OCCURRING 14 DAYS AFTER CEREBRAL ANEURYSM RUPTURE.
M Ashok Kumar, N Menon, P Nakaji and R Sue, Phoenix, AZ. St. Joseph's Hospital

4:15 ASPERGILLUS ENDOCARDITIS OF THE LEFT VENTRICLE IN A RENAL TRANSPLANT PATIENT: A CASE REPORT.
T Randhawa and R Taylor, Albuquerque, NM. University of New Mexico Medical Center

4:30 ADULT CONGENITAL PULMONARY STENOSIS. CASE REPORT AND LITERATURE REVIEW.
IB Alomari and MJ Ricciardi, Albuquerque, NM. University of New Mexico Medical Center

4:45 OVER-THE-COUNTER ENERGY DRINK CONSUMPTION AND ACUTE MYOCARDIAL INFARCTION: A CASE REPORT.
JD Martinez, M Sheldon and MJ Ricciardi, Albuquerque, NM. University of New Mexico Health Sciences Center
Gastroenterology and Hepatology
Sunset Center, Green Room
Jeffrey Glenn, Presiding

1:30  INTERLEUKIN-6 INCREASES INTESTINAL EPITHELIAL SMALL MOLECULE PERMEABILITY THROUGH INCREASED CLAUDIN-2 EXPRESSION.
M Hashimi, M Boivin, D Ye, R Al-Sadi and T Ma, Albuquerque, NM. University of New Mexico Hospital (WAFMR/WSCI Outstanding Resident Award Winner)

1:45  LIPOPOLYSACCHARIDE EFFECT ON INTESTINAL TIGHT JUNCTION PERMEABILITY: A KEY ROLE FOR MYOSIN LIGHT CHAIN KINASE.
TZ Alhmoud, R Al-Sadi and T Ma, Albuquerque, NM. University of New Mexico (WSCl Travel Award Winner)

2:00  ROLE OF P38 MITOGEN ACTIVATED PROTEIN KINASE ON THE IL-1B-INDUCED INCREASE IN INTESTINAL TIGHT JUNCTION PERMEABILITY.
TZ Alhmoud, R Al-Sadi and T Ma, Albuquerque, NM. University of New Mexico

2:15  WILSON DISEASE: ABNORMAL METHIONINE METABOLISM IN PATHOGENESIS OF LIVER DAMAGE.
M Dolatshahi, S Jose, C Halsted and V Medici, Davis, CA. University of California, Davis (WAFMR/WSCI Subspecialty Award Winner)

2:30  PREVALENCE OF PEDIATRIC INFLAMMATORY BOWEL DISEASE AMONG HISPANICS IN AN URBAN ACADEMIC CENTER IN THE SOUTHWEST UNITED STATES.
JG Adair, DA Gremse and RL Scherr, Las Vegas, NV. University of Nevada School of Medicine

2:45  TREATMENT OF CHRONIC HEPATITIS B PATIENTS ACCORDING TO CURRENT GUIDELINES: A COMMUNITY-BASED STUDY.
S Zhang, J Ristau, HN Trinh, RT Garcia, H Nguyen, BS Levitt and MH Nguyen, Los Angeles, CA; San Jose, CA and Palo Alto, CA. David Geffen School of Medicine at UCLA (WSMRF)

3:00  ROLE OF ANTIMICROBIAL PEPTIDES IN ESOPHAGITIS.
ZD Robinson, J Masterson, L Hosford, S Fillon and GT Furuta, Denver, CO. University of Colorado (WSMRF)

3:15 - 3:30 Intermission
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Authors</th>
<th>Institution</th>
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<tr>
<td>3:30</td>
<td>P38 KINASE PATHWAY MEDIATES ENDOTOXIN INDUCED INCREASE IN INTESTINAL EPITHELIAL TIGHT JUNCTION PERMEABILITY.</td>
<td>MR Naqvi, RA Sadi and T Ma, Albuquerque, NM. University of New Mexico (WSMRF)</td>
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<td>3:45</td>
<td>EPIDEMIOLOGY OF BILIARY ATRESIA IN NEW MEXICO.</td>
<td>R Rose and L McLoughlin, Albuquerque, NM. University of New Mexico</td>
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<td>4:00</td>
<td>SPONTANEOUS RUPTURE OF HEPATIC HEMANGIOMA IN A NEONATE - SURVIVAL WITH NON-OPERATIVE MANAGEMENT.</td>
<td>A Ghuman, R Schreiber and S Butterworth, Vancouver, BC, Canada. University of British Columbia</td>
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<tr>
<td>4:15</td>
<td>State-of-the-Art Speaker NASH: A CLINICAL UPDATE.</td>
<td>Glen Lutchman, Stanford University</td>
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<td>1:30</td>
<td>EVALUATING DESIGN ELEMENTS IN COMMONLY VISITED HYPERTENSION PATIENT EDUCATION WEBSITES.</td>
<td>SR Stratton, A Dotson and S Kim, Seattle, WA. University of Washington (WSMRF)</td>
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<td>1:45</td>
<td>ONSITE CLINICS IN SIX WORKPLACES: MEASURES OF SUCCESS.</td>
<td>L.W. Raymond 1,2, J. Pankowski2, L. Bowers2, D. Burns2, B. Cole2, T. Lovings2, H. Shiflett2, A. Yanni2. 1CAROLINAS HEALTHCARE SYSTEM, CHARLOTTE, NC AND 2UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, NC.</td>
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<td>2:00</td>
<td>BUILDING CAPACITY TO REDUCE DIABETES DISPARITIES: TRAINING COMMUNITY HEALTH WORKERS.</td>
<td>M Bouchonville, K Colleran and B Kipp, Albuquerque, NM. University of New Mexico Health Science Center (Carmel AFMR Scholar Winner) (WAFMR)</td>
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<td>2:15</td>
<td>AVOIDING THE IMPRESSION OF IMPROPRIETY: UNDERSTANDING COMMON ERROR TYPES IN PUBLICATIONS CITED BY RESIDENCY APPLICANTS.</td>
<td>HR Simmons, S Kim, AM Zins and AE Amies-Oelschlager, Seattle, WA. University of Washington (WSMRF)</td>
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</table>
2:30 HEALTH NEEDS AND HEALTHCARE SYSTEM RESPONSES AMONG VICTIMS OF GENDER-BASED VIOLENCE IN AFGHANISTAN.
S Stokes and E Miller, Sacramento, CA. University of California Davis School of Medicine (WSMRF)

Abstract 246

2:45 SMOKING CESSION DURING PREGNANCY INCREASES MOTIVATION TO BREASTFEED T.ALMEN MERRITT AND STEPHANIE ARMSTRONG, DEPARTMENT OF PEDIATRICS AND MEDICAL STUDENT, LOMA LINDA UNIVERSITY, LOMA LINDA, CALIFORNIA.
TA Merritt, Loma Linda, CA. Loma Linda University

Abstract 247

3:00 PATIENT COMPLIANCE IN A CLINICAL TRIAL OF AN HERBAL THERAPY FOR TYPE-2 DIABETES.
E Brueckner, JT Martin, DH Nguyen, N Mendoza, B Nguyen, R Espino, J Hoettedumla and Y Semenova, Pomona, CA. Western University of Health Sciences (WSMRF)

Abstract 248

3:15 - 3:30 Intermission

3:30 BIOMECHANICAL CHARACTERIZATION OF THE CARTILAGINOUS ENDPLATE IN THE INFANT SPINE.
RP Farmer, R Paietta, V Ferguson and E Burger, Aurora, CO. University of Colorado, School of Medicine (WSMRF)

Abstract 249

3:45 VALIDITY AND RELIABILITY OF THE JOINT COMMISSION SUBJECT IDENTIFICATION CRITERIA FOR ASSESSING THE QUALITY OF CHILDREN’S INPATIENT ASTHMA CARE.
S West, F Nkoy, B Fassl, B Stone, S Halbern and C Maloney, Salt Lake City, UT. University of Utah (WSCI Travel Award Winner) (WAFMR)

Abstract 250

4:00 THE USE OF MULTIATTRIBUTE UTILITY THEORY IN THE SELECTION OF RADIATION THERAPY TREATMENTS.
A Burt, MH Phillips and A Civan Hartzler, Seattle, WA. University of Washington School of Medicine (WSMRF)

Abstract 251

4:15 PROGNOSTIC VALUE OF MAXIMAL COMPARED TO 3-MINUTE VASCULAR OCCLUSION TEST IN PATIENTS WITH SEVERE SEPSIS OR SEPTIC SHOCK.
W Brisbane, J Shen, E Walters and H Nguyen, Loma Linda, CA. Loma Linda University

Abstract 252

4:30 DOES EDUCATIONAL INTERVENTION CHANGE PERCEPTION OF PREGNANT WOMEN TOWARDS CORD BLOOD BANKING?
4:45 TELEPHONE FOLLOW-UP OF EMERGENCY DEPARTMENT PATIENTS: PATIENT CHARACTERISTICS AND CONTACT PERCENTAGES.
S Oberfoell, S Arora and M Menchine, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

Immunology and Rheumatology I
Sunset Center, Studio 105
Emil Heinze and Richard Weisbart, Presiding

1:30 REGULATION BY ESTROGEN AND PROGESTERONE OF INTERFERON ALPHA SIGNALING IN HUMAN LEUKOCYTES.
J Zheng and G Hughes, Seattle, WA. University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

1:45 EOSINOPHILIC VASCULITIS.
E Arena-Rook, D Rankin, K Colburn and E Katsaros, Loma Linda, CA. Loma Linda University (Carmel AFMR Scholar Winner)

2:00 T-REGULATORY AND TUMOR SUPPRESSOR FUNCTIONS OF FOXP3 ARE MEDIATED THROUGH SEPARATE SIGNALING PATHWAYS.
E Heinze, G Chan, R Mory, R Khavari, R Nishimura and R Weisbart, Sylmar, CA; Sepulveda, CA and Los Angeles, CA. Olive View UCLA Medical Center (Carmel AFMR Scholar Winner) (/)

2:15 THE IMMUNOMODULATORY ROLE OF HIGH DOSE INTRAVENOUS IMMUNOGLOBULIN IN A MURINE MODEL OF BILIARY ATRESIA.
J Boguniewicz, R Tucker, S Brindley and CL Mack, Aurora, CO. University of Colorado School of Medicine

2:30 HUMAN TRANSITIONAL B CELLS IN NORMAL AND AUTOIMMUNE PERIPHERAL BLOOD.
S Hsu, A Weldon, A Benitez, I Baez, K Colburn and K Payne, Loma Linda, CA. Loma Linda University Medical Center (Carmel AFMR Scholar Winner)

2:45 AUTOIMMUNITY AND ASBESTOS RELATED DISEASE IN AMPHIBOLE EXPOSED INDIVIDUALS OF LIBBY, MONTANA.
LS Marchand and J Pfau, Seattle, WA and Pocatello, ID. University of Washington (WSMRF)
LYMPHOCYTE PROFILES FROM THE SOFT TISSUES OF METAL-ON-METAL HIPS.
T Tan, P Sutthiruangwong, M Al-Hamad, C Magyar, S Nelson and P Campbell, Los Angeles, CA. Orthopaedic Hospital and David Geffen School of Medicine at UCLA

3:00 - 3:30 Intermission

STATE-OF-THE-ART SPEAKER
IS RHEUMATOID ARTHRITIS A NEOPLASTIC DISEASE?
Richard Weisbart, David Geffen School of Medicine at UCLA

4:00 OUTCOMES AND COST-EFFECTIVENESS OF RESIDENT-PERFORMED PALPATION-GUIDED INTRAARTICULAR PROCEDURES IN A TEACHING HOSPITAL.
S Yaqub, U Ashraf, H Norton, JI Gibb, WL Sibbitt and A Bankhurst, Albuquerque, NM and Amarillo, TX. University of New Mexico Health Sciences Center

4:15 CHOLESTASIS AS AN ATYPICAL AND MISLEADING PRESENTATION OF KAWASAKI DISEASE: CASE REPORT AND LITERATURE REVIEW.
CK Brar, R Keosheyan and E Arce-Hernandez, Fresno, CA and Madera, CA. University of California San Francisco, Fresno

4:30 ULTRASOUND-GUIDED ARTHROCENTESIS OF THE KNEE USING NEW ASPIRATING SYRINGE TECHNOLOGIES.
LG Kettwich, WL Sibbitt, N Chavez-Chiang, S Delea, H Norton and A Bankhurst, Albuquerque, NM. University of New Mexico Health Sciences Center

4:45 OUTCOMES AND COST-EFFECTIVENESS OF ULTRASOUND-GUIDED INVASIVE PROCEDURES PERFORMED BY RESIDENTS IN A TEACHING HOSPITAL.
U Ashraf, B Weis, RD Smalligan, JI Gibb, H Norton, WL Sibbitt and A Bankhurst, Amarillo, TX and Albuquerque, NM. Texas Tech University Health Sciences Center
Infectious Diseases
Sunset Center, Room # 6
Brad Spellberg and David Gilbert, Presiding

1:30  
**State-of-the-Art Speaker**
RAPID MOLECULAR DIAGNOSTICS: THE CUTTING EDGE OF INFECTIOUS DISEASES.
Fred C. Tenover, Cepheid

2:00  
IDENTIFICATION OF NEUTROPHILS AS A PREDOMINANT SOURCE OF IL-1β PRODUCING CELLS IN THE EARLY INNATE IMMUNE RESPONSE TO STAPHYLOCOCCUS AUREUS CUTANEOUS INFECTION.
*FF Hebroni, J Cho, RI Ramos and LS Miller, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

2:15  
INHIBITION OF HERPES SIMPLEX VIRUS (HSV) GLYCOPROTEIN’S GB, GD, GH-GL INDUCED CELL FUSION AND VIRAL SPREAD VIA HEPARAN MIMICS.
*S Choudhary and V Tiwari, Pomona, CA. Western University of Health Sciences, College of Osteopathic Medicine of Pacific (WAFMR/WSCI Subspecialty Award Winner)*

2:30  
THE ROLE OF FC-GAMMA RECEPTOR IIIB VARIATION IN CONDITIONING INTERFERON-GAMMA LEVELS IN SUB-SAHARAN AFRICAN CHILDREN WITH SEVERE MALARIAL ANEMIA.
*A Chaudhury and D Perkins, Albuquerque, NM. University of New Mexico*

2:45  
PROINFLAMMATORY IMMUNE RESPONSE AND PUERPERAL GROUP A STREPTOCOCCAL SEPSIS.
*PF Spargen, NH Augustine, EA Clark, SM Davis, TB Martins, AR Wilson, RM Silver and HR Hill, Salt Lake City, UT. University of Utah*

3:00  
THE INCIDENCE OF BLOOD AND BODY FLUID EXPOSURE IN OUR TRAINEES.
*CM Ives, K Inaba, G Barmparas, S Swadron, P Teixeira, Z Saadi, M Lenzini and D Demetriades, Los Angeles, CA. LAC+USC Medical Center*

3:15 - 3:30 Intermission

3:30  
EFFECTIVENESS OF ROUTINE METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS SCREENING.
*I Jack, E Ezeanolue, S Elsadat and K Rae Tuano, Las Vegas, NV. University of Nevada School of Medicine*
3:45 INCIDENCE OF INVASIVE FUNGAL INFECTIONS IN UMBILICAL CORD BLOOD TRANSPLANT RECIPIENTS.  
V Chow, F Milano, C Delaney, H Xie and SA Pergam, Seattle, WA. Fred Hutchinson Cancer Research Center (WSMRF)  
Abstract 272

4:00 BOPA IS REQUIRED FOR PERSISTENCE OF BRUCELLA.  
V Atluri and R Tsolis, Davis, CA. University of California, Davis  
Abstract 273

4:15 MACROLIDE RESISTANT TREPONEMA PALLIDUM: ASSOCIATION WITH MOLECULAR STRAIN TYPE.  
MD Grimes, C Godornes, L Tantalo, CM Marra and SA Lukehart, Seattle, WA. University of Washington School of Medicine (WSMRF)  
Abstract 274

Morphogenesis and Malformations  
Sunset Center, Rehearsal Room  
Ian Glass and Tom Cushing, Presiding

1:00 State-of-the-Art Speaker  
WHEN CILIA GO BAD: JOUBERT SYNDROME AND OVERLAPPING DISORDERS.  
Ian Glass, University of Washington & Seattle Children’s Hospital  
Abstract 275

1:30 VIABILITY WITH GERMLINE HRAS G12V MUTATION IN COSTELLO SYNDROME IS DUE TO REDUCED MRNA EXPRESSION ASSOCIATED WITH DINUCLEOTIDE SUBSTITUTION.  
DA Stevenson, J Carey, A Calhoun, P Yu, C Vaughn, S Dobrowolski and J Swensen, Salt Lake City, UT. University of Utah (WSPR)  
Abstract 275

1:45 COLLAGEN SUBSTRATE SPECIFICITY OF PROLYL 3-HYDROXYLASES.  
AW Farnand, ME Weis, LS Kim, RJ Fernandes and DR Eyre, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)  
Abstract 276

2:00 PRENATAL DIAGNOSIS OF AMYOPLASIA CONGENITA.  
E Muller, G Enns, S Hintz, R Barth and L Hudgins, Stanford, CA. Stanford University (WSPR Mead Johnson Travel Award Winner)  
Abstract 277

2:15 MITOCHONDRIAL PATHOLOGY IN ANGELMAN SYNDROME.  
A Niemi, R Cox, C Scharfe, A Cherry and G Enns, Stanford, CA. Stanford University (WSPR)  
Abstract 278

2:30 RECURRENT ACUTE PANCREATITIS, DISTINCTIVE FACIAL APPEARANCE, AND 3-HYDROXYISOBUTYRIC ACIDURIA: A PREVIOUSLY
UNRECOGNIZED PRESENTATION OF PEARSON SYNDROME.
AR Calhoun, L Botto, J Pohl, M O'Gorman, M Pasquale and N Longo, Salt Lake City, UT. University of Utah

Abstract 279

2:45 A NEWLY DESCRIBED OVERGROWTH, MACROCEPHALY, DEVELOPMENTAL DISABILITY SYNDROME IS DUE TO A MICRODELETION OF 19P13.13 AND LOSS OF THE NF1X GENE.
RD Clark and PR Papenhausen, Loma Linda, CA and Research Triangle Park, NC. Loma Linda University School of Medicine (WSPR)

Abstract 280

3:00 - 3:15 Intermission

3:15 NEWBORN WITH CHOROIDAL FISSURE CYST AND PANHYPOPITUITARISM.
R Chitkara, A Rajani, J Bernstein, L Hudgins, S Shah, J Hahn and S Hintz, Palo Alto, CA. Stanford University

Abstract 281

3:30 LONG TERM FOLLOW-UP OF A 61-YEAR-OLD WOMAN WITH WOLF-HIRSCHHORN SYNDROME DUE TO AN UMBALANCED INHERITED 4P;13Q TRANSLOCATION.
EL Leon, S South and J Carey, Salt Lake City, UT. University of Utah

Abstract 282

3:45 NEUROLOGICAL FINDINGS IN TWO SIBLINGS WITH TAYBI-LINDER SYNDROME.
MJ Pierce, R Morse and C Curry, Madera, CA and Lebanon, NH. University of California San Francisco, Fresno (WSMRF)

Abstract 283

4:00 HEME OXYGENASE-1 DEFICIENCY IMPAIRS PLACENTAL VASCULAR FORMATION AND EMBRYONIC DEVELOPMENT.
H Zhao, J Azuma, FS Kalish, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine

Abstract 284

4:15 PRENATAL EXPOSURE TO MATERNAL CIGARETTE SMOKING HAS A GREATER EFFECT ON FETAL GROWTH THAN NICOTINE ALONE.
DT Malleske, C Fung, M Campbell, R Kaur, X Yu, C Callaway, R McKnight, K Albertine and RH Lane, Salt Lake City, UT. University of Utah (WSPR)

Abstract 285

4:30 MATERNAL TOBACCO SMOKE EXPOSURE AND INTRAUTERINE GROWTH RESTRICTION ALTER HEPATIC SREBP1A AND -2 LEVELS IN A GENDER SPECIFIC MANNER.
E Zinkhan, Y Wang, M Hale, C Jiang, R Kaur, X Yu, C Callaway, M Fitzhugh, A Brown, M Campbell, C Fung, DT Malleske, R McKnight, L Joss-Moore, K Albertine and RH Lane, Salt Lake City, UT. University of Utah

Abstract 286
4:45 DISTINCT PHENOTYPE ASSOCIATED WITH INTERSTITIAL LONG ARM DELETION OF CHROMOSOME 4Q13.3→ Q21.1.
M Golabi, B Hall and P Cotter, San Francisco, CA; Lexington, KY and Oakland, CA. Sutter Pacific Medical Center

Neonatology - General II
All Saints Church, Auditorium
Mark Underwood and Christian C. Yost, Presiding

1:15 BATH-RELATED BURN IN THE NEONATE.
N Rayjada, S Sardesai and RG Cayabyab, Los Angeles, CA. Keck School of Medicine, University of Southern California

1:30 BOLUS VERSUS LONGER INFUSION OF ENTERAL FEEDINGS FOR PRETERM NEONATES.
LL Corbin and S Smith, Portland, OR. Oregon Health and Sciences University

1:45 INCREASED AMINO ACIDS POTENTIATE GLUCOSE STIMULATED INSULIN SECRETION IN THE OVINE FETUS.
M Gadhia, A Maliszewski, M O'Meara, SR Thorn, JR Lavezzi, WW Hay, LD Brown and PJ Rozance, Denver, CO. University of Colorado

2:00 INCREASED VITAMIN E INTAKE IS ASSOCIATED WITH HIGHER α-TOCOPHEROL CONCENTRATION IN THE MATERNAL CIRCULATION, BUT HIGHER α-CARBOXYETHYL HYDROXYCHROMANS CONCENTRATION IN THE FETAL CIRCULATION.
M Go, S Didenco, M Gillingham, S Leonard, M Traber and C McEvoy, Portland, OR and Corvallis, OR. Oregon Health & Sciences University

2:15 PROLONGED HYPOGLYCEMIA DECREASES INSULIN SECRETION, NOT β-CELL POPULATION IN OVINE FETUSES.
JR Lavezzi, M O'Meara, SR Thorn, LD Brown, WW Hay and PJ Rozance, Aurora, CO. University of Colorado School of Medicine (WSPR)

2:30 EFFECTS OF A DIRECT FETAL AMINO ACID INFUSION ON OXYGENATION AND ACID-BASE BALANCE IN FETAL SHEEP.
A Maliszewski, M Gadhia, M O'Meara, SR Thorn, WW Hay, PJ Rozance and L Brown, Denver, CO. University of Colorado

2:45 INTRAUTERINE GROWTH RESTRICTION (IUGR) INCREASES RETINAL EXPRESSION OF GENES INVOLVED IN THE PATHOGENESIS OF RETINOPATHY OF PREMATUREITY (ROP) IN MALE RAT PUPS.
MA Hale, Y Jiang, X Yu, C Callaway, H Wang, GT Smith, R McKnight, RH Lane and M Hartnett, Salt Lake City, UT. University of Utah (WSPR)
3:00 THE INHIBITORY POTENCY OF LOW DOSES OF ZINC DEUTEROPORPHYRIN BIS GLYCOL ON HEME OXYGENASE ACTIVITY IN 3-DAY-OLD MICE.
Y Katayama, N Shaw, ZA Yaffe, CX He, FS Kalish, S Schulz-Geske, H Zhao, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine

3:00 - 3:05 Intermission

3:05 THE INHIBITORY POTENCY OF LOW DOSES OF ZINC DEUTEROPORPHYRIN BIS GLYCOL ON HEME OXYGENASE ACTIVITY IN 3-DAY-OLD MICE.
Y Katayama, N Shaw, ZA Yaffe, CX He, FS Kalish, S Schulz-Geske, H Zhao, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine

3:15 BACTERIAL NITRATE REDUCTION IN SALIVA OF NEWBORN INFANTS.
JA Kanady, AO Hopper, JR Ninnis, W Aruni, GG Power and AB Blood, Loma Linda, CA. Loma Linda University

3:30 PROLONGED NEONATAL INTENSIVE CARE STAY FOR INFANTS OF DIABETIC MOTHERS.
N Phattraprayoon, R Al-Ramadhani, L Barton and R Ramanathan, Los Angeles, CA. Keck School of Medicine, University of Southern California

3:45 NEONATAL MORTALITY RATE AND CAUSES OF DEATH IN NINE VILLAGES IN THE LORETO PROVINCE OF PERU.
JB Warren and JM Anderson, Portland, OR. Oregon Health & Science University

4:00 A META-ANALYSIS OF DOPAMINE USE IN HYPOTENSIVE PRETERM INFANTS: BLOOD PRESSURE AND CEREBRAL HEMODYNAMICS.
S Sassano-Higgins, P Friedlich and I Seri, Los Angeles, CA. Children's Hospital Los Angeles (WSMRF)

4:15 PRENATAL METHAMPHETAMINE USE AND NEONATAL AND INFANT NEUROBEHAVIORAL OUTCOME: RESULTS FROM THE INFANT DEVELOPMENT, ENVIRONMENT, AND LIFESTYLE (IDEAL) STUDY.
ZN Kiblawi, LM Smith, LL LaGasse, C Derauf, E Newman, R Shah, A Arria, M Huestis, W Haning, A Strauss, S DellaGrotta, LM Dansereau and BM Lester, Torrance, CA and Providence, RI. Harbor-UCLA Medical Center

4:30 EARLY PHYSICAL SIGN OF CONGENITAL RICKETS: HARRISON'S THORACIC GROOVE.
GM Chan, Salt Lake City, UT. University of Utah (WSPR)
1:30  IL-33-MEDIATED CISPLATIN-INDUCED AKI IS DEPENDENT ON CD4 T CELL-MEDIATED PRODUCTION OF CXCL1.
C Edelstein, A Akcay, Q Nguyen, K Turkmen, D Lee, S Faubel, Z He, A Pacic, D Galesic Ljubanovic and A Jani, Aurora, CO and Zagreb, Croatia. University of Colorado (WSCI Travel Award Winner) (WAP)

1:45  VITAMIN D INHIBITS CELL PROLIFERATION WITHOUT INDUCING APOPTOSIS OF HEART-DERIVED CELLS, ENHANCING CARDIAC DIFFERENTIATION BY MODULATING THE EXPRESSION OF KEY WNT SIGNALING FAMILY MEMBERS.
LA Garcia, M Ferrini, G Gibbons, R Shohet, KC Norris and JN Artaza, Los Angeles, CA; Atlanta, GA and Honolulu, HI. Charles R. Drew University of Medicine and Science (WAFMR)

Abstract 302

Abstract 303

2:00  COMPARISON OF METHODS FOR COUNTING PODOCYTES.
J Basgen and S Nicholas, Los Angeles, CA. Charles R. Drew University of Medicine and Science (Carmel AFMR Scholar Winner)

Abstract 303

2:15  FACTORS CONTRIBUTING TO THE EFFICACY OF THYMOGLOBULIN AS A TREATMENT FOR ACUTE KIDNEY GRAFT REJECTION.
Y Liu, H Kuo, Y Jiang and S Bunnapradist, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)

Abstract 305

2:30  HOSPITALIZATIONS IN ELDERLY HEMODIALYSIS PATIENTS.
MA Martinez, Y Sun, K Servilla, GH Murata and AH Tzamaloukas, Albuquerque, NM. University of New Mexico Health Sciences Center

Abstract 306

3:00  State-of-the-Art Speaker
mTOR INHIBITORS IN POLYCYSTIC KIDNEY DISEASE: FROM BENCH TO BEDSIDE.
Charles Edelstein, University of Colorado School of Medicine

3:30  THE ROLE OF NETRIN-1 RECEPTORS IN MEDIATING ATTENUATION OF ACUTE KIDNEY INJURY.
TM Luebbert, J Dalton, A Grenz and HK Eltzschig, Aurora, CO. University of Colorado School of Medicine (WSMRF)

Abstract 307
3:45  RISE IN SERUM SODIUM CONCENTRATION AFTER SALINE INFUSION IN HYPONATREMIA.

BH Rosen, D Malhotra, GH Murata, DS Raj, JI Shapiro and A Tzamaloukas, Albuquerque, NM; Toledo, OH and Washington DC, DC. University of New Mexico (WSMRF)

Abstract 308

STUDENT SCIENTIFIC SESSION IV

Developmental Biology, Genetics, and Hematology Oncology

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Chapman #4

1:30 PM – 4:45 PM

Friday, January 28, 2011

Martin Teintze and Josh Gordon, Presiding

1:30  MAINTENANCE OF PHENOTYPE OVER SERIAL PASSAGES IN FETAL CELL CULTURES.

AM Dye, S McConaghy and R Ohls, Albuquerque, NM. University of New Mexico

Abstract 309

1:45  DISPARATE CONSERVATION OF GENE EXPRESSION IN LMX1B-DIRECTED LIMB DORSALIZATION.

MK Estes, JM Feenstra, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University (WSMRF)

Abstract 310

2:00  INCREASED LEF1 EXPRESSION IMPLICATES THE WNT/β-CATENIN PATHWAY IN THE MEDIATION OF FGF-INDUCED UP-REGULATION OF SHH.

GL Mattison, ED Steinman, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University (WSMRF)

Abstract 311

2:15  DEFINING THE MECHANISM OF LIMB REGENERATION: A POTENTIAL NOVEL ROLE FOR BAMBI IN MEDIATING FGF-INDUCED SHH UP-REGULATION.

ED Steinman, GL Mattison, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University (WSMRF)

Abstract 312

2:30  ASSESSING SUSCEPTIBILITY TO AGE-RELATED MACULAR DEGENERATION WITH GENETIC MARKERS AND ENVIRONMENTAL FACTORS.

S Grob, Y Chen, J Zeng, X Zhou, P Bernstein, M Bedell, M Goldbaum, H Ferreyra, I Kozak, W Freeman and K Zhang, La Jolla, CA. University of California at San Diego, School of Medicine

Abstract 313
EXCLUSION OF PATHOGENIC CODING REGION MUTATIONS IN POSITIONAL CANDIDATE GENES FOR POSTERIOR AMORPHOUS CORNEAL DYSTROPHY.
MJ Kim, IN Lai, CK Nguyen, S Rayner, V Yellore and AJ Aldave, Los Angeles, CA. 
David Geffen School of Medicine at UCLA (WSMRF)
Abstract 314

ENHANCED LEUKOCYTE CHEMOTAXIS INTO SERUM FROM A MOUSE MODEL OF GAUCHER DISEASE.
NA Jabre, M Pandey and G Grabowski, Cincinnati, OH. University of Cincinnati
Abstract 315

3:15 - 3:30 Intermission

FAMILIAL IDIOPATHIC SCOLIOSIS: INVESTIGATION OF SFI1 GENE IN ADOLESCENT MALES WITH SEVERE CURVATURES.
GA Smith, JH Dunn, K Swindle and NH Miller, Aurora, CO. University of Colorado School of Medicine (WSMRF)
Abstract 316

ASSESSING INTEREST AND ATTITUDES TOWARD GENETIC PREDICTIVE TESTING FOR COLON CANCER: METHODOLOGY AND INITIAL PREDICTORS.
W Tuong, K Leventhal and K Graves, Sacramento, CA and Washington, DC. University of California Davis (WSMRF)
Abstract 317

FACTOR VIII (FVIII:C) LEVELS WITH AGE IN A COHORT OF INDIVIDUALS WITH MILD HEMOPHILIA A.
L Lee, A Ludlow, G Deb, L Vickars, J Wu and S Jackson, Vancouver, BC, Canada. 
University of British Columbia
Abstract 318

SURVIVAL OUTCOMES OF ADULTS WITH ACUTE MYELOID LEUKEMIA - A STUDY OF NATIVE AMERICAN, HISPANIC, AND NON-HISPANIC WHITES TREATED IN NEW MEXICO (1986-2006).
N Rivera, B Armijo, D Quintana, M Abdul-Jaleel, S Lee, C Wiggins and E Libby, Albuquerque, NM. University of New Mexico School of Medicine
Abstract 319

NOVEL COMBINATIONS OF CYTOSINE DEAMINASE AND URACIL PHOSPHORIBOSYLTRANSFERASE FOR SUICIDE GENE THERAPY.
R Runyan, Seattle, WA. University of Washington School of Medicine
Abstract 320
STUDENT SCIENTIFIC SESSION V

Surgery

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Bingham Room #3

1:30 PM – 4:30 PM
Friday, January 28, 2011

Deb Harper and Madhukar Patel, Presiding

1:30  IMPROVED METHOD FOR CHRONIC CANNULATION OF THE RAT THORACIC DUCT FOR MULTIPLE POOL KINETIC STUDIES.
MJ Douglas, N Flake and M Witte, Tucson, AZ. University of Arizona College of Medicine

Abstract 321

1:45  THE INCIDENCE OF USE OF PLATELET RICH PLASMA IN ORTHOPEDIC SURGERY IN IDAHO AND WASHINGTON.
SA Butikofer and J Seegmiller, Seattle, WA and Moscow, ID. University of Washington (WSMRF)

Abstract 322

2:00  GENDER DIFFERENCES IN NONUNION AND MALUNION FOLLOWING TIBIAL SHAFT FRACTURES: A REVIEW OF 5 TREATMENT MODALITIES.
LW Chapman, S Hame and JC Wang, Los Angeles, CA. David Geffen School of Medicine at UCLA

Abstract 323

2:15  POOR CORRELATION BETWEEN PRE-TRANSPLANT VISUALIZED ESTIMATE OF DECEASED DONOR LIVER STEATOSIS AND REPERFUSION BIOPSY ASSESSMENT.
SD Fuller, S Mangus, J Fridell, R Vianna, M Milgrom and J Tector, Indianapolis, IN. Indiana University School of Medicine

Abstract 324

2:30  VARIATIONS IN THE QUALITY OF CARE DELIVERED TO PATIENTS UNDERGOING TOTAL HIP REPLACEMENT AT THREE AFFILIATED HOSPITALS.
A Gurbani and N SooHoo, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

Abstract 325

2:45  USE OF NEGATIVE PRESSURE THERAPY ON CLOSED SURGICAL INCISIONS.
SA Huberty, A Gabriel and S Gupta, Vancouver, WA and Loma Linda, CA. University of Washington

Abstract 326
3:00  INCIDENCE AND CORRELATES OF FAILURE FOR VENTRICULOOPERITONEAL AND LUMBOPERITONEAL SHUNTS IN PATIENTS WITH IDIOPATHIC INTRACRANIAL HYPERTENSION.
*RL Martin*, W Lambert, E Tanne, D Choi, B Lobb and S Loboy, Seattle, WA and Portland, OR. *University of Washington School of Medicine*

Abstract 327

3:15 - 3:30 Intermission

3:30  A CASE OF MIXED GONADAL DYSGENESIS WITH 45,X/46,XRINTY/46,XY KARYOTYPE AND ITS LAPAROSCOPIC MANAGEMENT.
*I Molavi* and J Masterson, Vancouver, BC, Canada. *University of British Columbia (WSMRF)*

Abstract 328

3:45  ALLOGRAFT AND MICROSCOPE USE IN SINGLE-LEVEL ANTERIOR CERVICAL DISCECTOMY AND FUSION SURGERY DO NOT INCREASE THE INCIDENCE OF SERIOUS INFECTION.
*W Pannell*, S Ngo, C Wang and J Ellerman, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 329

4:00  SURGICAL MANAGEMENT IN THE TREATMENT OF FIBROUS DYSPLASIA.
*SM Richards*, OA Adetayo, SE Salcedo, AO Ray and SC Gupta, Loma Linda, CA. *Loma Linda University Medical Center*

Abstract 330

4:15  AN ATYPICAL PRESENTATION OF A PANCOLOMIC VENOUS MALFORMATION.
*F Wong* and G Blair, Vancouver, BC, Canada. *University of British Columbia*

Abstract 331

BREAKFAST-WITH-THE-INVESTIGATOR

*Monterey Beach Hotel – Captain’s Table Room*

Saturday, January 29, 2011
7:00 AM – 8:00 AM

*Point Alones Room*

ACADEMICS AND FAMILY LIFE: STRIKING A BALANCE.
Gary Satou and Nancy Satou, *David Geffen School of Medicine at UCLA*

PROS AND CONS OF AN ACADEMIC CAREER.
Gustavo Matute-Bello, *University of Washington*

JUGGLING A CAREER COMBINING BASIC RESEARCH AND CLINICAL CARE.
Katrina, Dipple, *David Geffen School of Medicine at UCLA*
STUDENT SCIENTIFIC SESSION VI and VII
8:30 AM – 12:00 PM

STUDENT SCIENTIFIC SESSION VI.......................... Sunset Center, Rehearsal Room
STUDENT SCIENTIFIC SESSION VII..........................Sunset Center – Bingham #3

General Internal Medicine and Aging
Sunset Center, Promenade Lobby
Mitch Harman, Presiding

8:30  PERIORAL WRINKLES ARE ASSOCIATED WITH GENDER, AGING, AND SMOKING: DEVELOPMENT AND ANALYSIS OF A GENDER-SPECIFIC PHOTONUMERIC SCALE.
N Cheng, A Chien and S Kang, Baltimore, MD. Johns Hopkins University (WSMRF)
Abstract 332

8:45  THE EFFECTS OF CANCER DOSING OF BISPHOSPHONATES ON THE MECHANICAL PROPERTIES OF BONE DEPEND ON DURATION OF TREATMENT.
T Luo and M Allen, Indianapolis, IN. Indiana University School of Medicine
Abstract 333
9:00 CHARACTERIZATION OF ALPHA-CRYSTALLIN UPTAKE INTO EYE LENS CELLS AS A NOVEL TREATMENT FOR CATARACT AND RETINAL DEGENERATION.
K Christopher, N Mueller and JM Petrash, Aurora, CO. University of Colorado School of Medicine (WSMRF)

Abstract 334

9:15 PLASMA TESTOSTERONE IS ASSOCIATED WITH FRAMINGHAM RISK SCORE.
BE Chock, T Lin, C Li and A Swislocki, Sacramento, CA and Martinez, CA. University of California, Davis (WSCl Travel Award Winner)

Abstract 335

9:30 VITAMIN D INHIBITS PROLIFERATION AND INDUCES DIFFERENTIATION OF C2C12 SKELETAL MYOBLAST CELLS BY MODULATING THE EXPRESSION OF PRO-MYOGENIC AND ANGIogenic GROWTH FACTORS.
KK King, LA Garcia, M Ferrini, KC Norris and JN Artaza, Los Angeles, CA. Charles R. Drew University of Medicine and Science (WAFMR/WSCI Subspecialty Award Winner)

Abstract 336

9:45 ALCOHOL USE DISORDERS IDENTIFICATION TEST - CONSUMPTION QUESTIONNAIRE (AUDIT-C): HOW OFTEN DO SCREENING RESULTS CONTRADICT REPORTED DRINKING LEVELS?
KE Delaney, GT Lapham, AD Rubinsky, ML Johnson and KA Bradley, Seattle, WA. University of Washington (WSMRF)

Abstract 337

10:00 - 10:15 Intermission

10:15 AGE-RELATED CHANGES IN THE RETINAL NERVE FIBER LAYER OF AFRICAN AMERICAN AND CAUCASIAN HEALTHY SUBJECTS USING SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY.
K Buono, M Leite, C Bowd, R Weinreb, F Medeiros and L Zangwill, San Diego, CA and Sao Paulo, Brazil. University of California San Diego

Abstract 338

10:30 DO DIABETES AND HYPERTENSION HAVE A SYNERGISTIC EFFECT ON COGNITIVE FUNCTION IN MIDDLE AGE?
J Chang, D Miller-Martinez, N Safaei Nili, C Crandall and A Karlamangla, Los Angeles, CA. David Geffen School of Medicine at UCLA

Abstract 339

10:45 State-of-the-Art Speaker
TESTOSTERONE IN AGING MEN: SHOULD WE TREAT OR NOT?
S. Mitchell Harman, Kronos Longevity Research Institute
8:30 DEVELOPMENT OF AN INTEGRATED INTERDISCIPLINARY ONCOLOGY ELECTIVE.
L Lai and P Ingledew, Vancouver, BC, Canada. University of British Columbia Faculty of Medicine (WSMRF)
Abstract 340

8:45 ACUTE MYELOID LEUKEMIA OUTCOMES FOLLOWING BREAST CANCER TREATMENT.
CY Ma and R Broady, Vancouver, BC, Canada and Van, BC, Canada. University of British Columbia (WSMRF)
Abstract 341

9:00 TARGETING FOXM1 TRANSCRIPTION FACTOR IN RHABDOMYOSARCOMA.
JG Dolan, X Wan, C Yeung and LJ Helman, Seattle, WA and Bethesda, MD. University of Washington School of Medicine
Abstract 342

9:15 MELANOMA PATIENT INFORMATION: ASSESSMENT OF THE QUALITY OF INTERNET-BASED INFORMATION RESOURCES.
E Scali and P Ingledew, Vancouver, BC, Canada and Surrey, BC, Canada. University of British Columbia
Abstract 343

9:30 LARGE SCALE CHEMOENZYMATIC SYNTHESIS OF THE NON-HUMAN SIALIC ACID, N-GLYCOLYNEURAMINIC ACID.
Y Haidar, O Pearce and A Varki, La Jolla, CA. University of California, San Diego School of Medicine
Abstract 344

9:45 MITOCHONDRIAL DNA AND MINIMAL RESIDUAL DISEASE ASSESSMENT IN PEDIATRIC ACUTE LYMPHOBLASTIC LEUKEMIA.
N Villanueva, M Agsalda, L Chang, T Ernst, A Saito, L Pritchett and B Shiramizu, Honolulu, HI. University of Hawaii John A. Burns School of Medicine
Abstract 345

10:00 - 10:15 Intermission

10:15 DYNAMIC CONTRAST-ENHANCED MRI FOR PREDICTION OF PATHOLOGIC RESPONSE TO NEOADJUVANT CHEMOTHERAPY IN BREAST CANCER PATIENTS.
AP Patel, D Chang, J Chen, M Lin, RS Mehta, M Su and O Nalcioglu, Irvine, CA and Taichung, Taiwan. University of California, Irvine
Abstract 346
10:30 WHOLE ORGAN SEGMENTATION VERSE CYLINDRICAL REGION OF INTEREST IN MEASURING CT RADIATION DOSE OF ABDOMINAL ORGANS.
JK Sandberg, M Khatonabadi and M McNitt-Gray, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)  
Abstract 347

10:45 ORTHOVOLTAGE ROTATIONAL EXTERNAL BEAM RADIATION THERAPY ON A BREAST CT PLATFORM: A SIMULATION STUDY.
ND Prionas, SE McKenney and JM Boone, Sacramento, CA. University of California Davis (WSMRF)  
Abstract 348

11:00 PERSISTENT FEVER, SPLENOMEGALY, AND ANEMIA IN A 2 YEAR OLD: A CASE OF SLOWLY PROGRESSING HEMOPHAGOCYTIC LYMPHOHISTIOCYTOSIS.
AM Bowser, K Shliakhtsitsava and E Arse, Fresno, CA. University of California San Francisco, Fresno  
Abstract 349

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

8:30 ANALYSIS OF TEMPORAL PROTEIN SECRETION FROM INDIVIDUAL T LYMPHOCYTES.
GE Owens, C Ma, A Cheung and J Heath, Los Angeles, CA and Pasadena, CA. David Geffen School of Medicine at UCLA (WSMRF)  
Abstract 350

8:45 EPIGENETIC REGULATION OF B-1 B LYMPHOCYTES IN LOW BIRTH WEIGHT INFANTS.
A Osborne, R McKnight, RH Lane and CC Yost, Salt Lake City, UT. University of Utah  
Abstract 351

9:00 CHART REVIEW ON 337 CASES OF KAWASAKI DISEASE IN CENTRAL CALIFORNIA.
Y Zhang and D Wright, Fresno, CA and Madera, CA. University of California San Francisco, Fresno  
Abstract 352

9:15 MEASUREMENT OF THERAPY INDUCED NEUTRALIZING ANTIBODIES TO INTERFERON (IFN)-β IN MULTIPLE SCLEROSIS PATIENTS UTILIZING A NEW FUNCTIONAL CELL BASED IFN-β REPORTER GENE ASSAY.
TB Martins, JW Rose, T Jaskowski, N Kusukawa, GL Gardiner, D Husebye, HS Seraj and HR Hill, Salt Lake City, UT. ARUP Institute for Clinical and Experimental Pathology  
Abstract 353

9:30 INVESTIGATION OF STAT3-DEPENDENT NEUTROPHIL MIGRATION IN JOB SYNDROME.
A Kumánovics, NH Augustine and HR Hill, Salt Lake City, UT. University of Utah (WSCI Travel Award Winner)  
Abstract 354
9:45  EFFECTS OF A NON-STEROIDAL ANTI-INFLAMMATORY DRUG ON SUPPRESSED ACTIVITY IN MICE SUFFERING FROM CHRONIC JOINT INFLAMMATION.
M Suhail, C Christianson, F Koehrn, S Malkmus, M Corr and TL Yaksh, La Jolla, CA and San Diego, CA. University of California San Diego (WSMRF)

Abstract 355

10:00 - 10:15 Intermission

10:15  SEVERE URTICARIA AND ABDOMINAL PAIN DUE TO ANTIBODIES TO IGE RECEPTOR TREATED WITH CYCLOSPORINE.
KY Wang and RL Roberts, Los Angeles, CA. David Geffen School of Medicine at UCLA

Abstract 356

10:30  A RANDOMIZED CONTROLLED TRIAL OF COST-EFFECTIVENESS OF ULTRASOUND-GUIDED INTRAARTICULAR INJECTION OF INFLAMMATORY ARTHRITIS.
H Norton, WL Sibbitt, A Bankhurst, S Delea, N Chavez-Chiang and P Band,
Albuquerque, NM and New York, NY. University of New Mexico

Abstract 357

10:45  TECHNIQUE-BASED IMPROVEMENTS IN THE COST-EFFECTIVENESS OF INTRAARTICULAR INJECTIONS FOR OSTEOARTHRITIS OF THE KNEE: A RANDOMIZED CONTROLLED STUDY.
H Norton, P Band, WL Sibbitt, N Chavez-Chiang, S Delea and A Bankhurst,
Albuquerque, NM and New York, NY. University of New Mexico

Abstract 358

11:00  NEW DEVICE TECHNOLOGIES FOR SUBCUTANEOUS FAT BIOPSY.
LG Kettwich, WL Sibbitt, N Chavez-Chiang, S Delea, A Michael and A Bankhurst,
Albuquerque, NM and El Paso, TX. University of New Mexico Health Sciences Center

Abstract 359

11:15  MIDDLE CEREBRAL ARTERY RESISTIVITY AND PULSATILITY INDICES IN SYSTEMIC LUPUS ERYTHEMATOSUS.
NM Boyer, C Roldan, KA Yonan, JM Sharrar, WL Sibbitt and ER Greene, Albuquerque,
NM and Las Vegas, NM. University of New Mexico (Carmel AFMR Scholar Winner)

Abstract 360

Metabolism II
Sunset Center, Room # 6
Karen Foster-Schubert and Neda Rasouli, Presiding

8:30  ISLET MATRIX METALLOPROTEINASE-9 IS DOWNREGULATED IN A MOUSE MODEL OF TYPE 2 DIABETES.
DS vy, K Aston-Mourney and S Kahn, Seattle, WA. University of Washington
(WAFMR/WSCI Subspecialty Award Winner)

Abstract 361
8:45 INCREASED EXPRESSION OF THE VASOCONSTRICTOR ENDOTHELIN-1 MAY CONTRIBUTE TO ISLET ENDOTHELIAL DYSFUNCTION IN DIABETES.
A Ottley, S Kahn and R Hull, Seattle, WA. University of Washington (WSMRF)
Abstract 362

9:00 OXIDATIVE STRESS PROMOTES ISLET AMYLOID DEPOSITION.
M Morcos, S Zraika and S Kahn, Seattle, WA. University of Washington
Abstract 363

9:15 NO MEDIATED REGULATION OF CREB EXPRESSION.
SK Nelson, M Miller, L Knaub, J Gunter and JE Reusch, Denver, CO. University of Colorado (WSMRF)
Abstract 364

9:30 NICOTINE WORSENS HIGH FAT DIET- INDUCED HEPATIC AND MUSCLE STEATOSIS IN MICE.
I Nzenwa, R Vides, M Mangubat, L Garcia, R Shen, AP Sinha Hikim, TC Friedman and I Sinha-Hikim, Los Angeles, CA and Stanford, CA. Charles Drew University (Carmel AFMR Scholar Winner)
Abstract 365

9:45 MONOUNSATURATED FATTY ACIDS INCOMPLETELY RESCUE 3T3-L1 CELLS FROM EFFECTS OF SCD1 INHIBITION.
JK Yee, P Wahjudi, ME Patterson, S Lim, C Mao and W Lee, Torrance, CA. Los Angeles BioMedical Research Institute at Harbor-UCLA (Carmel AFMR Scholar Winner) (WSPR)
Abstract 366

10:00 - 10:15 Intermission

10:15 IS 1,5 ANHYDROGLUCITOL (GLYCOMARK®) A CLINICALLY USEFUL TEST IN TYPE 1 DIABETES?
E Duran-Valdez, M Burge, P Broderick, L Shey, V Valentine and DS Schade, Albuquerque, NM. University of New Mexico
Abstract 367

10:30 A NOVEL MECHANISM TO PREVENT CARDIAC CONSEQUENCES OF IN UTERO COCAINE EXPOSURE.
R Vides, I Nzenwa, R Shen, AP Sinha Hikim and I Sinha-Hikim, Los Angeles, CA and Stanford, CA. Charles Drew University
Abstract 368

10:45 DISCORDANCE IN LIPID ACCUMULATION AND LESION SIZE: DETECTION WITH COMBINED OIL RED O AND MOVAT’S PENTACHROME STAINING.
J Kim, A Haw, P Reifsnyder, E Leiter and KD O’Brien, Seattle, WA and Bar Harbor, ME. University of Washington
Abstract 369
11:00 IUGR ALTERS HEPATIC MRNA LEVELS OF HMGA1, RBP4, AND INSR IN A GENDER SPECIFIC MANNER IN D120 RATS.
*B Burshears, MA Hale, Q Fu, X Yu, C Callaway, R McKnight, L Joss-Moore and RH Lane, Salt Lake City, UT. University of Utah *(Carmel AFMR Scholar Winner) (WSPR)*
Abstract 370

11:15 A BIOASSAY OF INSULIN BIOACTIVITY USING HEPG2 CELLS IN CULTURE.
*ME Patterson, P Wahjudi, JK Yee and PW Lee, Torrance, CA. Harbor-UCLA Medical Center*
Abstract 371

11:30 MEASUREMENT OF MOLECULAR DETERMINANTS OF BODY WEIGHT REGULATION IN THE HUMAN BRAIN USING MAGNETIC RESONANCE SPECTROSCOPY.
*KE Foster-Schubert, E Shankland, R Frayo, M Kushmerick, K Conley and D Cummings, Seattle, WA. University of Washington (WAFMR)*
Abstract 372

Neonatology - Developmental Biology
All Saints Church, Auditorium
Laura Brown and Douglas Matsell, Presiding

8:00 MESENCHYMAL-SPECIFIC DELETION OF APC DISRUPTS PARABRONCHIAL AND PERIVASCULAR SMOOTH MUSCLE CELLS DIFFERENTIATION.
*B Chan, A Li, C Li, Y Xing, M Li and P Minoo, Los Angeles, CA. Keck School of Medicine, University of Southern California (WSPR Mead Johnson Travel Award Winner)*
Abstract 373

8:15 EFFECTS OF ERYTHROPOIETIN AND DARBEPOETIN ON GROWTH AND DIFFERENTIATION OF CULTURED HUMAN FETAL CARDIAC MYOCYTES.
*EM Stewart, S McConaghy and R Ohls, Albuquerque, NM. University of New Mexico (WSPR Outstanding Resident Award Winner)*
Abstract 374

8:30 IUGR ALTERS MRNA LEVELS OF CHOLINERGIC AND GABAERGIC RECEPTORS IN A DEVELOPMENTALLY-SPECIFIC MANNER.
*MD Kunkel, Y Wang, C Callaway, X Yu, R McKnight, L Joss-Moore and RH Lane, Salt Lake City, UT. University of Utah*
Abstract 375

8:45 MATERNAL TOBACCO SMOKE EXPOSURE ALTERS RAT LUNG PPARG AND SETD8 ABUNDANCE IN A GENDER-SPECIFIC MANNER.
*L Joss-Moore, Y Wang, MA Hale, M Campbell, M Fitzhugh, R Kaur, C Jiang, A Brown, X Yu, C Callaway, R McKnight, DT Malleske, C Fung, K Albertine and RH Lane, Salt Lake City, UT. University of Utah*
Abstract 376
9:00  MECHANICAL TACTILE STIMULATION IN A NEONATAL STRESS MODEL ALTERS DEPOT-SPECIFIC ADIPOSE TISSUE EXPRESSION OF TNF-ALPHA AND IL-6 OF ADULT RATS.
G Warner, S Haley, K Gulliver, RH Lane and LJ Moyer-Mileur, Salt Lake City, UT. 
University of Utah (WSMRF)  
Abstract 377

9:15  INTRAUTERINE GROWTH RESTRICTION ALTERS EXPRESSION OF PPARγ CO-REPRESSORS: NCOR1, SMRT, AND SIRT1 IN JUVENILE MALE RAT ADIPOSE.
B Lang, Y Wang, X Yu, M Hale, C Callaway, R McKnight, L Joss-Moore and RH Lane, Salt Lake City, UT. University of Utah  
Abstract 378

9:30  TISSUE SPECIFIC ROLE OF DNA METHYLTRANSFERASE 4 DURING ZEBRAFISH DEVELOPMENT.
J Hooton, I Jafri and DA Jones, Seattle, WA and Salt Lake City, UT. University of Washington School of Medicine (WSPR Subspecialty Award Winner)  
Abstract 379

9:45  MECHANICAL-TACTILE STIMULATION DURING NEONATAL STRESS DECREASES VISCERAL ADIPOSE TISSUE AND PREVENTS HYPERINSULINEMIA IN ADULT RATS.
G Warner, S Haley, K Gulliver, JA Thomson, L Joss-Moore, RH Lane and LJ Moyer-Mileur, Salt Lake City, UT. University of Utah (WSMRF)  
Abstract 380

10:00 - 10:15 Intermission

10:15  INTRAUTERINE GROWTH RESTRICTION BY UTEROPLACENTAL INSUFFICIENCY AND MATERNAL TOBACCO SMOKING EXPOSURE CAUSES GENDER-SPECIFIC CHANGES IN MRNA EXPRESSION OF HIPPOCAMPAL ESTROGEN RECEPTOR.
B Num pang, D Caprau, X Ke, M Hale, X Yu, C Jiang, R Kaur, M Fitzhugh, C Callaway, L Joss-Moore, R McKnight and RH Lane, Salt Lake City, UT. University of Utah (WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award Winner)  
Abstract 381

10:30  MATERNAL SMOKE EXPOSURE DURING PREGNANCY DECREASES RAT HEPATIC IGF-1 MRNA VARIANT LEVELS IN A GENDER SPECIFIC MANNER.
B Lang, Y Wang, C Jiang, R Kaur, A Brown, M Campbell, M Fitzhugh, M Hale, C Callaway, X Yu, C Fung, DT Malleske, R McKnight, L Joss-Moore, K Albertine and RH Lane, Salt Lake City, UT. University of Utah  
Abstract 382

10:45  INTRAUTERINE GROWTH RESTRICTION ALTERS CARDIAC GENE MRNA LEVELS.
R Bierer, E Kaza, M Hale, X Yu, C Callaway, L Joss-Moore and RH Lane, Salt Lake City, UT. University of Utah  
Abstract 383
11:00  **State-of-the-Art Speaker**  
THE NEONATAL KIDNEY- INFLUENCES AND COMPROMISES.  
Douglas Matsell, *British Columbia Children's Hospital*

11:30  **HEME OXYGENASE-1 EXPRESSION IS DIFFERENTIALLY REGULATED IN VITRO BY METALLOPORPHYRINS.**  
*S Schulz-Geske, H Zhao, FS Kalish, E McCarthy, HJ Vreman, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine*  
Abstract 384

11:45  **MATERNAL TOBACCO SMOKE EXPOSURE INFLUENCES GENES INVOLVED IN HIPPOCAMPAL DEVELOPMENT IN A GENE AND GENDER SPECIFIC MANNER.**  
*B Numpang, D Caprau, X Ke, M Schober, M Hale, C Callaway, C Jiang, M Fitzhugh, R McKnight, L Joss-Moore and RH Lane, Salt Lake City, UT. University of Utah*  
Abstract 385

**Neonatal Pulmonary II**  
All Saints Church, Sanctuary  
*Paul J. Rozance and Kurt Albertine, Presiding*

8:30  **DECREASED PULMONARY VESSEL DENSITY AND PULMONARY ARTERY ENDOTHELIAL CELL FUNCTION IN FETAL SHEEP WITH INTRAUTERINE GROWTH RESTRICTION.**  
PJ Rozance, G Seedorf, A Brown, J Gien, J Tang and S Abman, Aurora, CO. University of Colorado (WSPR)  
Abstract 386

8:45  **IUGR INCREASES MECP2 MRNA AND CALPONIN ABUNDANCE IN NEONATAL RAT LUNG EXPOSED TO MODERATE HYPEROXIA.**  
*A Sainz, J Stiers, Y Wang, X Yu, C Callaway, R McKnight, E O'Brien, K Albertine, RH Lane and L Joss-Moore, Salt Lake City, UT. University of Utah*  
Abstract 387

9:00  **A NOVEL MEANS FOR DELIVERING NASAL INTERMITTENT POSITIVE PRESSURE VENTILATION (NIPPV) IN INFANTS VIA THE NASAL CANNULA (NC): MEASUREMENTS OF DELIVERED PARAMETERS.**  
*SC Andaya, D Crotwell, R DiBlasi and R Ramanathan, Los Angeles, CA and Seattle, WA. Keck School of Medicine, University of Southern California*  
Abstract 388

9:15  **PROTEIN AND CATION CONCENTRATIONS IN THE EXHALED BREATH FLUID OF PREMATURE NEONATES.**  
*EM Morales, Torrance, CA. Harbor UCLA*  
Abstract 389

9:30  **ANALYSIS OF ALVEOLAR MACROPHAGE POLARIZATION FOLLOWING LUNG INJURY IN PREMATURE NEONATES.**  
*B Chan, A Li, R George, J Groffen, N Heisterkamp, K Kwong, R Ramanathan and P Minoo, Los Angeles, CA. University of Southern California*  
Abstract 390
9:45  CAFFEINE WORSENS INFLAMMATION AND ALVEOLAR HYPOPLASIA IN HYPEROXIA-EXPOSED NEWBORN MICE.
B Lopez, TM Maisonet, S Dayanim, S Grewal, ZH Aghai and VA Londhe, Los Angeles, CA and Camden, NJ. David Geffen School of Medicine at UCLA

10:00  EXPRESSION OF CARCINOEMBRYONIC ANTIGEN CELL ADHESION MOLECULE 6 (CEACAM6) IN HEALTHY AND INJURED CEABAC TRANSGENIC MICE.
A Barrette, S Lin, C Chapin and P Ballard, San Francisco, CA. University of California San Francisco

10:15 - 10:30 Intermission

10:30  CURCUMIN AUGMENTS NEONATAL LUNG INJURY/REPAIR BY INHIBITING TGF-β SIGNALING.
R Sakurai, Y Li, J Torday and V Rehan, Torrance, CA. Los Angeles Biomedical Institute

10:45  BDNF PROTEIN ABUNDANCE IN WHITE MATTER IS DECREASED IN PRETERM LAMBS MANAGED BY MECHANICAL VENTILATION COMPARED TO NASAL VENTILATION.
B Houston, J Claar, J Alvord, M Schober, L Dong, M Dahl, C Block, R McKnight, D Null, BA Yoder, RH Lane and K Albertine, Salt Lake City, UT and Appleton, WI. University of Utah (WSMRF)

11:00  MATERNAL FOOD RESTRICTION ASSOCIATED INCREASE IN LUNG ELASTIN IS DUE TO PROTEIN DEFICIENCY.
R Lee, R Sakurai, Y Li, N Satyadev, J Torday and V Rehan, Torrance, CA. Los Angeles Biomedical Institute

11:15  SILDENAFIL USE IN NEONATES WITH MECONIUM ASPIRATION OR SEPSIS: A RETROSPECTIVE LOOK AT HEMODYNAMIC EFFECTS.
JJ Limjoco, L Paquette, R Ramanathan, I Seri and P Friedlich, Los Angeles, CA. Children's Hospital Los Angeles and Keck School of Medicine, University of Southern California

11:30  SILDENAFIL USE IN NEONATES WITH ISOLATED CONGENITAL DIAPHRAGMATIC HERNIA: A RETROSPECTIVE LOOK AT HEMODYNAMIC EFFECTS.
JJ Limjoco, L Paquette, R Ramanathan, I Seri and P Friedlich, Los Angeles, CA. Children's Hospital Los Angeles Keck School of Medicine, University of Southern California
9:00  MULTIMODALITY IMAGING OF MALFORMATIONS OF CORTICAL DEVELOPMENT.
K Behdinian, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)
Abstract 398

9:15  SUBCLINICAL MOOD AND STRESS SYMPTOMS CORRELATED WITH REDUCED CARDIOVAGAL ACTIVITY.
SR Hameed, J Stains, B Ebrat, B Suyenobu and K Tillisch, Los Angeles, CA. University of California, Los Angeles (WSMRF)
Abstract 399

9:30  PERIPHERAL BLOOD LYMPHOCYTE IMMUNE CORRELATES IN GLIOBLASTOMA PATIENTS UNDERGOING DENDRITIC CELL VACCINE IMMUNOTHERAPY.
BM Fong, D Lisiero, S Odesa, R Prins and LM Liau, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)
Abstract 400

9:45  HOW GENOTYPE INFLUENCES CLINICAL FEATURES, CELLULAR ELECTROPHYSIOLOGY, AND MICROANATOMY IN PEDIATRIC PATIENTS WITH TUBEROUS SCLEROSIS COMPLEX.
T Oh, G Mathern, D Kwiatkowski, H Vinters, N Salamon, C Cepeda, J Qiao, J Chang, M Huynh, M Levine, J Wu and K Pedram, Los Angeles, CA and Boston, MA. David Geffen School of Medicine at UCLA (WSMRF)
Abstract 401

10:00 - 10:15 Intermission

10:15  ORBITAL DISTANCES DO NOT CORRELATE TO CEREBELLAR VOLUME IN CHILDREN WITH AUTISM SPECTRUM DISORDERS.
K Camilleri, K Angkustsiri, CW Nordahl, A Lee, SB Boyd and DG Amaral, Sacramento, CA and Monterey, CA. University of California Davis School of Medicine
Abstract 402

10:30  MULTIPLE ESTROGEN RECEPTORS ARE RESPONSIBLE FOR THE ESTROGENIC ATTENUATION OF THE CANNABINOID-INDUCED INHIBITION OF GLUTAMATE RELEASE AT PROOPiomelanocortin SYNAPSES.
N Washburn and E Wagner, Pomona, CA. Western University, College of Osteopathic Medicine of the Pacific
Abstract 403

10:45  MTOR SIGNALING IN ANGELMAN SYNDROME.
R Hsu, S Moreno, G Liao and X Bi, Pomona, CA. College of Osteopathic Medicine, Western University of Health Sciences
Abstract 404
11:00 ASTROCYTE MATURATION AND REACTIVITY IN PEDIATRIC EPILEPSY SYNDROMES.
EE Kwon, G Mathern and I Wanner, Pomona, CA and Los Angeles, CA. Western University of Health Sciences (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)
Abstract 405

11:15 State-of-the-Art Speaker
TEACHING THE SPINAL CORD TO WALK AFTER SPINAL CORD INJURY.
Reggie Edgerton, David Geffen School of Medicine at UCLA

Pulmonary and Critical Care II
Carmel Women's Club
Michel Boivin and Jennifer L. Taylor-Cousar, Presiding

8:30 ACCELERATED PPARγ SIGNALING IN POST PNEUMONECTOMY LUNG REPAIR.
Y Li, R Sakurai, R Voswinckel, J Torday and V Rehan, Torrance, CA and Giessen, Germany. Los Angeles Biomedical Institute
Abstract 406

8:45 IMPACT OF VITAMIN D DEFICIENCY ON OUTCOME IN CRITICALLY ILL PATIENTS.
D Higgins, K Queensland, P Wischmeyer, A Sufit and D Heyland, Denver, CO and Kingston, ON, Canada. University of Colorado School of Medicine (WSMRF)
Abstract 407

9:00 CLINICAL UTILITY OF EXHALED NITRIC OXIDE ASSAY IN ASSESSMENT OF ASTHMA CONTROL IN CHILDREN.
P Vijayvargiya and M Joseph, Fresno, CA. University of California, San Francisco, Fresno (WSMRF)
Abstract 408

9:15 GENETIC POLYMORPHISMS OF CYTOCHROMES P450 AND PEDIATRIC ASTHMA CONTROL BY INHALED CORTICOSTEROIDS.
C Stockmann, B Fassl, F Nkoy, B Stone, L Willis, R Gaedigk, S Leeder and R Ward, Salt Lake City, UT and Kansas City, KS. University of Utah (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)
Abstract 409

9:30 INTERN NEEDS IN ULTRASOUND GUIDED CENTRAL VENOUS ACCESS DIDACTIC TEACHING.
H Abouhouli, M Boivin and G Baty, Albuquerque, NM. University of New Mexico (Carmel AFMR Scholar Winner)
Abstract 410

9:45 INHIBITION OF FARNESYLTRANSFERASE WITH FTI-277 EXACERBATES EOSINOPHILIC INFLUX IN ALLERGIC AIRWAY INFLAMMATION.
AA Zeki, KY Chang and N Kenyon, Sacramento, CA and Davis, CA. University of California, Davis Medical Center (WAFMR)
Abstract 411

10:00 - 10:15 Intermission
10:15 State-of-the-Art Speaker
ADULT DIAGNOSED CF: MILD OR DELAYED ONSET DISEASE?
Jennifer L. Taylor-Cousar, National Jewish Health

10:45 HUMAN PULMONARY ARTERY ENDOTHELIAL CELL EXPOSURE TO FIBRIN(OGEN) AUGMENTS INTRACELLULAR CALCIUM RESPONSES TO THROMBIN.
N Liang, A Firth, J Marsh, J Yuan and T Morris, San Diego, CA. University of California San Diego (Carmel AFMR Scholar Winner) (CTS)

11:00 UNDIAGNOSED AIRFLOW OBSTRUCTION, OBESITY AND RESPIRATORY SYMPTOMS: A COMPLEX INTER-RELATIONSHIP.
M Zutler, J Singer, TA Omachi and PD Blanc, San Francisco, CA. University of California, San Francisco (California Thoracic Society Scholar Winner) (CTS)

11:15 SURVIVAL IN SCLERODERMA-RELATED INTERSTITIAL LUNG DISEASE FOLLOWING LUNG TRANSPLANT.

11:30 THE EFFECT OF INFLAMMATION AND MECHANICAL VENTILATION ON ALVEOLAR FLUID CLEARANCE IN MICE.
EK Loraas, L Smith and TR Martin, Seattle, WA. University of Washington (WSMRF)

11:45 METABOLOMIC ANALYSIS OF EXHALED BREATH CONDENSATES (EBC) IN ASTHMA AND COPD.
M Schivo, W Zhao, A Aksenov, N Kenyon and C Davis, Sacramento, CA and Davis, CA. University of California, Davis (CTS)

Surgery II
Sunset Center, Green Room
Mark Urata, Presiding

8:30 SIROLIUMUS DETERS THE RATE OF HEPATITIS C PROGRESSION FOLLOWING ORTHOTOPIC LIVER TRANSPLANTATION: A SINGLE CENTER EXPERIENCE.
MA Kelly, M Kaplan, MA Zimmerman, M Wachs, T Bak and I Kam, Aurora, CO. University of Colorado Health Sciences Center (WSMRF)
8:45 PRE-LIVER TRANSPLANT THERAPIES FOR HEPATOCELLULAR CARCINOMA CAN ACHIEVE EQUIVALENT SURVIVAL FOR PATIENTS WITH WORSE PROGNOSIS.
K Klingler, S Mangus and M Maluccio, Indianapolis, IN. Indiana University School of Medicine

9:00 IN VITRO MICRODISTRACTION OF HUMAN ADIPOSE-DERIVED STEM CELLS MAY PROMOTE THEIR OSTEOGENIC POTENTIAL.
JC Lee, K Fan, S Sorice, J Bradley and P Zuk, Los Angeles, CA. David Geffen School of Medicine at UCLA

9:15 State-of-the-Art Speaker
STEM CELLS: IN THE QUEST OF FOUNTAIN OF YOUTH AND CURE FOR CANCER.
Michael Kahn, Keck School of Medicine, University of Southern California

9:45 NOVEL RISK FACTORS FOR ANTERIOR CRUCIATE LIGAMENT INJURY: SHORT LATERAL TIBIAL PLATEAU LENGTH AND DECREASED LATERAL TIBIAL PLATEAU RADIUS OF CURVATURE.
RW Westermann, C Wahl, G Blaisdell and A Cizik, Seattle, WA. University of Washington School of Medicine (WSMRF)

10:00 - 10:15 Intermission

10:15 PREOPERATIVE CT IMAGING IN REOPERATIVE CARDIAC SURGERY.
WS Chen, J Wu and S Johnstone, Honolulu, HI. Cardiothoracic Surgery, Kaiser Permanente, Honolulu (WSMRF)

10:30 GHRELIN ADMINISTRATION ATTENUATES THE MYOCARDIAL INFLAMMATORY RESPONSE TO HYPOTHERMIC ISCHEMIA/REPERFUSION AND AFFORDS CARDIOPROTECTION.
EW Austin, N Ghaly Yousif, L Ao, D Fullerton and X Meng, Aurora, CO. University of Colorado School of Medicine (WSMRF)

10:45 AUGMENTED TENDON ACHILLES REPAIR USING A TISSUE REINFORCEMENT SCAFFOLD: A BIOMECHANICAL STUDY.
L Frizzell, E Giza, R Farac and J Williams, Sacramento, CA. University of California, Davis

11:00 VALIDATION OF REAL-TIME, LOW-COST STEREO VIDEOGRAPHY IN MEASURING 3D SPINE MOTION.
S Namperumal, E Leung, S Curtiss and R Roberto, Sacramento, CA and Davis, CA. University of California, Davis School of Medicine
11:15 SEVERE PRE-LIVER TRANSPLANT CORONARY ARTERY DISEASE ASSOCIATED WITH SIGNIFICANT WORSENING OF LATE POST-TRANSPLANT SURVIVAL.
N Simon, S Mangus, S Kinsella, J Fridell, R Vianna, C Quirk, K Wilkes and J Tector, Indianapolis, IN. Indiana University School of Medicine (WSMRF)

11:30 SONOGRAPHIC EVALUATION OF THE PERONEUS LONGUS AND BREVIS TENDONS: ANATOMICAL RELATIONSHIPS AT REST AND UNDER STRESS.
LE Chen and NA Hager, Seattle, WA. University of Washington School of Medicine (WSMRF)

11:45 PREDICTORS OF COMPLICATIONS IN CHILDREN WITH DUPLICATED RENAL COLLECTING SYSTEMS.
C Spelliscy and D Kiddoo, Edmonton, AB, Canada. University of Alberta

STUDENT SCIENTIFIC SESSION VI

General Medicine

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Rehearsal Room

8:30 AM – 11:45 AM
Saturday January 29, 2011

Suzanne Allen and Jordan Sand, Presiding

8:30 RAISING AWARENESS OF ELDERLY SUICIDE RISK IN SANDPOINT, IDAHO.
JM Bartlett, Seattle, WA. University of Washington School of Medicine (WSMRF)

8:45 HORTICULTURAL THERAPY FOR PERSONS WITH SEVERE DEMENTIA.
MN Bomalaski, Seattle, WA. University of Washington (WSMRF)

9:00 ALTERNATIVE INTERVENTIONS IN A STATE WITHOUT NEEDLE EXCHANGE TO REDUCE INFECTION AMONG INJECTION DRUG USERS IN BUTTE, MT.
CJ Campbell, Seattle, WA. University of Washington School of Medicine (WSMRF)

9:15 ADDRESSING INTIMATE PARTNER VIOLENCE IN A BLACKFEET COMMUNITY.
EA Clark, Seattle, WA. University of Washington (WSMRF)
9:30 PEER-SUPPORT IN THE MANAGEMENT OF DIABETES IN THE URBAN AMERICAN INDIAN POPULATION OF SEATTLE, WASHINGTON.
A Moshiri, Seattle, WA. University of Washington School of Medicine (WSMRF)

9:45 OCCUPATIONAL HEALTH STATUS AND NEEDS OF KOREAN IMMIGRANT WORKERS IN LOS ANGELES COUNTY.
M Pham, S Choi, P Harber and A Jo, Huntington Beach, CA and Los Angeles, CA. David Geffen School of Medicine at UCLA

10:00 - 10:15 Intermission

10:15 DIABETIC FOOT CHECKS AND EDUCATION IN THE HISPANIC COMMUNITY OF BREWSTER, WASHINGTON.
K Whitaker, Seattle, WA. University of Washington School of Medicine (WSMRF)

10:30 THE EDUCATION OF WOMEN ON SMOKING CESSATION AND LIMITING SECONDHAND SMOKE EXPOSURE IN WEISER, IDAHO.
AM Windhorn, Seattle, WA. University of Washington School of Medicine (WSMRF)

10:45 EPIDEMIOLOGY OF COMPLEX REGIONAL PAIN SYNDROME.
LA Pennington, Albuquerque, NM. University of New Mexico School of Medicine (WSMRF)

11:00 BUPRENORPHINE THERAPY FOR OPIOID ADDICTION IN RURAL WASHINGTON: THE EARLY ADOPTERS.
TL Quest and R Rosenblatt, Seattle, WA. University of Washington (WSMRF)

11:15 IS PHYSICIAN NON-PROFESSIONAL EXPERIENCE WITH CANCER ASSOCIATED WITH OVARIAN CANCER SCREENING PRACTICES?
M Ragland, K Trivers, B Matthews, CH Andrilla, J Miller, D Lishner, B Goff and L Baldwin, Seattle, WA and Atlanta, GA. University of Washington School of Medicine (WSMRF)

11:30 IMPACT OF ANKLE BRACING ON SKILL PERFORMANCE OF RECREATIONAL SOCCER PLAYERS.
NS Bandolin, A Putnam and B Krabak, Seattle, WA. University of Washington School of Medicine (WSMRF)
STUDENT SCIENTIFIC SESSION VII
Pulmonary, Critical Care, and Infectious Disease

WESTERN STUDENT MEDICAL RESEARCH FORUM
Sunset Center, Bingham Room #3
8:30 AM – 11:15 AM
Saturday January 29, 2011

Ken Roberts and Hillary Davis, Presiding

8:30  LOW CARDIAC INDEX IN ASYMPTOMATIC HEART TRANSPLANT PATIENTS AT ONE YEAR POST TRANSPLANT DOES NOT LEAD TO POOR LONG TERM OUTCOME.
A Moradzadeh, M Kawano, Z Goldstein, M Hamilton and J Kobashigawa, Beverly Hills, CA. Cedars-Sinai Heart Institute

8:45  ADDRESSING MEASLES VACCINATION REFUSAL IN THE UKRAINIAN COMMUNITY OF MOSES LAKE, WASHINGTON.
E Miropolskiy, Seattle, WA. University of Washington School of Medicine (WSMRF)

9:00  PNEUMOCOCCAL DISEASE VACCINATION AND PREVENTION EDUCATION FOR ALASKA NATIVE ADULTS IN THE BRISTOL BAY REGION.
S Morgan, Seattle, WA. University of Washington School of Medicine

9:15  DISPELLING MYTHS AND PROVIDING FACTS ABOUT CHILDHOOD IMMUNIZATIONS TO THE EASTERN EUROPEAN COMMUNITY OF AUBURN, WASHINGTON.
I Triska, Seattle, WA. University of Washington (WSMRF)

9:30  COMBATTING TICKS IN COLUMBUS: EDUCATING THE BOY SCOUTS IN TICK AWARENESS.
R Van Dyke, Seattle, WA. University of Washington (WSMRF)

9:45  THE IMPACT OF MEDICATIONS ON HEART FAILURE PATIENT HOSPITAL READMISSIONS.
MS Lee, H Xu and MK Ong, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

10:00 - 10:15 Intermission
10:15 SMALL PLATELET CATIONIC PEPTIDES DEMONSTRATE MICROBICIDAL ACTIVITY AGAINST MYCOBACTERIUM SMEGMATIS.
CJ Hall, C Lam, M Sharif, B Saviola and M Yeaman, Pomona, CA and Torrance, CA. Western University of Health Sciences

10:30 INVERSE CORRELATION OF INITIAL CD8 LYMPHOCYTE COUNT AND CD4 LYMPHOCYTE RESPONSE TO COMBINATION ANTIRETROVIRAL THERAPY IN TREATMENT-NAÏVE VETERANS.
NI Izadi, CJ Graber and MB Goetz, Los Angeles, CA. David Geffen School of Medicine at UCLA

10:45 OUTCOME OF LATENT TUBERCULOSIS TREATMENT DURING LIVER TRANSPLANT CANDIDACY: A RETROSPECTIVE CASE SERIES.
TK Lew, S Saab, R Busuttil and DZ Uslan, Los Angeles, CA. David Geffen School of Medicine at UCLA

11:00 EVALUATION OF EXHALED NITRIC OXIDE AS A SURROGATE FOR AIRWAYS HYPERRESPONSIVENESS.
JL Larson, M Zeidler, E Kleerup and D Tashkin, Los Angeles, CA. David Geffen School of Medicine at UCLA

RESIDENTS’ FORUM
Sunset Center – Carpenter Hall
8:30 AM – 11:15 AM
Saturday, January 29, 2011

Jacob Hogue, Presiding

8:30 UTILITY OF SERUM TOTAL IGE ESTIMATION AND ALLERGY TESTING IN CHILDREN WITH PERSISTENT ASTHMA. A RETROSPECTIVE STUDY FROM THE CENTRAL VALLEY OF CALIFORNIA.
ASabry and M Joseph, Fresno, CA. University of California, San Francisco, Fresno

8:45 APNEA AND MORTALITY IN CHILDREN WITH CEREBRAL PALSY.
LM Tran, D Strauss, J Brooks and YW Wu, San Francisco, CA. Life Expectancy Project

9:00 DEVELOPMENT OF AN INTERNATIONAL ELECTIVE FOR PEDIATRIC RESIDENTS: BRINGING CAMBODIA TO FRESNO.
JE Hahn, S Yang and D Pugatch, Fresno, CA and Madera, CA. University of California, San Francisco -Fresno
9:15 THE USE OF VERBAL AUTOPSY TO DETERMINE LEADING CAUSES OF NEONATAL DEATH IN RURAL TIBET.
K Westmoreland, B Fassl and F Nkoy, Salt Lake City, UT. University of Utah (WSCI Travel Award Winner) (WSMRF)  
Abstract 453

9:30 AN UNUSUAL CASE OF THYROID CARCINOMA.
J Castillo, P Kapsner, M Garimella and K Colleran, Albuquerque, NM. University of New Mexico  
Abstract 454

9:45 - 10:00 Intermission

10:00 LEARN PEDIATRICS: CREATING INSTRUCTIONAL VIDEOS FOR MEDICAL STUDENTS LEARNING PEDIATRIC CLINICAL SKILLS - DIFFICULTIES ENCOUNTERED.
Abstract 455

10:15 ADULT PULMONARY LANGERHANS' CELL HISTIOCYTOSIS; A CASE REPORT AND REVIEW OF THE LITERATURE.
M Alkouz and IB Alomari, Albuquerque, NM. University of New Mexico  
Abstract 456

10:30 AUTOFLUORESCENCE BRONCHOSCOPY IS ESSENTIAL IN THE EVALUATION AND TREATMENT OF MYOFIBROBLASTIC TUMORS IN THE AIRWAY.
N Menon, M Smith and R Sue, Phoenix, AZ. St. Joseph's Hospital  
Abstract 457

10:45 COMMUNITY-ACQUIRED METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS CAUSING NECROTIZING TRACHEOBRONCHITIS.
Z Reagle, J Patel and T Evans, Fresno, CA. University of California, San Francisco, Fresno  
Abstract 458

11:00 DEVELOPMENT OF A CYANIDE TOXICITY LETHAL MODEL AND MEASUREMENT OF PHYSIOLOGIC AND METABOLIC EFFECTS IN RABBITS USING NON-INVASIVE DIFFUSE OPTICAL SPECTROSCOPY MONITORING.
J Thomas, R Patino, M Brenner, JG Kim, S Mahon, D Mukai and R Sato, Irvine, CA. University of California, Irvine  
Abstract 459
8:00 am  CONFERENCE WELCOME
Russell C. Klein and Angela C. Wang

8:10 am  Morning Case #1: *Primary Pulmonary Arterial Hypertension*
Presented by Fellow

8:30 am  Mini-lecture--The Diagnosis of Pulmonary Hypertension: Nuts and Bolts
Rajeev Saggar, *David Geffen School of Medicine at UCLA*

8:45 am  Mini-lecture--Prognosis and Treatment of Pulmonary Hypertension
Roham Zamanian, *Stanford University School of Medicine*

9:00 am  Mini-lecture--Coordinating Care of Patients with Pulmonary Hypertension
Juliana Liu, ANP, *Stanford University School of Medicine*

9:15 am  BREAK

9:30 am  Morning Case #2: *Assessment and Treatment of Patients with Chronic Thromboembolic Pulmonary Hypertension (CTEPH)*
Presented by Fellow

9:55 am  Mini-lecture--Diagnosis and Management of CTEPH
Victor Test, *University of California San Diego School of Medicine*

10:15 am  BREAK

10:30 am  Morning Case #3: *Pulmonary Hypertension in the Elderly*
Presented by Fellow

10:55 am  Mini-lecture--Managing Pulmonary Hypertension in Elderly Patients
Victor Test, *University of California San Diego School of Medicine*

11:15 am  Airway Clearance Devices Exhibitors Fair

11:45 am  LUNCH PRESENTATION
*Genetics and the Lung: Impact of Molecular Genetics on the Diagnosis and Treatment of Patients with CF and non-CF Bronchiectasis*
1:00 pm  AFTERNOON WELCOME / PRETEST  
Russell C. Klein and Angela C. Wang

1:15 pm  Afternoon Case #1: (58 y/o with ABPA/heterozygote dF508)  
Presenting Fellow and Brian Morrissey, University of California, Davis School of Medicine

1:40 pm  Mini-lecture: The Atypical Cystic Fibrosis Patient  
Brian Morrissey, University of California, Davis School of Medicine

2:00 pm  BREAK

2:15 pm  Afternoon Case #2: Atypical Mycobacterial Pulmonary Infection (75 y/o F with Bronchiectasis and Mycobacterium Abscessus)  
Presenting Fellow and Charles Daley, National Jewish Medical and Research Center

2:40 pm  Mini-lecture: Update on Diagnosis and Management of Atypical Mycobacterial Disease in Bronchiectasis  
Charles Daley, National Jewish Medical and Research Center

3:15 pm  BREAK

3:30 pm  Afternoon Case #3: (16 y/o with CF undergoing living non-related double lung transplant)  
Presenting Fellow and Mark Pian, University of California San Diego School of Medicine, Rady Children’s Hospital San Diego

3:55 pm  Mini-lecture: Controversies in Pediatric Lung Transplantation  
Mark Pian, University of California San Diego School of Medicine, Rady Children’s Hospital San Diego

4:10 pm  Mini-lecture: Pediatric and Adult Palliative Care for Chronic Lung Disease  
Jessica Goggin, RN, University of California San Diego

4:30 pm  Master Clinician Presentation  
David M. Claman, University of California, San Francisco

5:15 pm  CLOSING REMARKS  
Russell C. Klein and Angela C. Wang
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### 2010-2011

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INDEX TO WESTERN PRESENTED ABSTRACTS

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Health Care Research I
Hematology and Oncology I
Metabolism I
Neonatal Pulmonary I
Neonatology General I
Neuroscience I
Pulmonary and Critical Care I
Surgery I

WSMRF Student Scientific Session I - Global Health
WSMRF Student Scientific Session II - Community Health
WSMRF Student Scientific Session III – Adolescent Medicine, Pediatrics, and Neonatal

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Gastroenterology and Hepatology
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Morphogenesis and Malformations
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WSMRF Student Scientific Session IV - Developmental Biology, Genetics, and Hematology Oncology
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Hematology and Oncology II
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UPCOMING MEETINGS

Experimental Biology 2011
April 9-13, 2011
Walter E. Washington Convention Center
Washington, DC

AFMR Special Translational Symposia:
- **Saturday, April 9, 2011**
  *Keys for Translation: Science and Strategy*

- **Sunday, April 10, 2011**
  *Angiotensin-Insulin Crosstalk: A True Translational Story from Bedside to Bench*

- **Monday, April 11, 2011**
  *Neurodegenerative Diseases: Pathogenesis and Treatment from Bench to Bedside*

- **Tuesday, April 12, 2011**
  *Vitamin D: Relevance in Infection, Inflammation and Asthma*

- **Wednesday, April 13, 2011**
  *Mechanisms of Prostate Cancer Progression to the Castration-resistant State*

2011 ASCI/AAP Joint Meeting
April 15-17, 2011
The Fairmont Hotel
Chicago, Illinois

2011 Clinical and Translational Research and Education Meeting
ACRT/SCTS/AFMR Joint Annual Meeting
April 27-29, 2011
Omni Shoreham Hotel
Washington, DC

2011 Pediatric Academic Societies Meeting and Asian Society for Pediatric Research
April 30-May 3, 2011
The Colorado Convention Center
Denver, Colorado