

**WESTERN REGIONAL MEETING AT A GLANCE**  
**Carmel, California**  
**January 28-31, 2009**

Only those sessions indicated as “CME certified” are available for *AMA PRA Category 1 Credits™*

TIME	ACTIVITY & LOCATION
	<b>WEDNESDAY, JANUARY 28, 2009</b>
1:00 pm – 5:00 pm 3:00 pm – 5:00 pm	<b>Faculty and Fellow Registration</b> Entry Lobby – Sunset Center <b>Student and Resident Registration</b> Monterey Beach Hotel – Captain’s Table Room
2:00 pm – 5:00 pm <i>CME certified</i>	<b>Evolutionary Pathobiology of Atherosclerosis (Thrombosis, Inflammation and Lipids)</b> <i>Sponsored by WAP</i> Sunset Center – Carpenter Hall
5:00 pm – 5:30 pm	<b>WAP Business Meeting</b> Sunset Center – Carpenter Hall
5:30 pm – 7:00 pm	<b>Welcoming Cocktail Party</b> <i>Jointly sponsored by</i> WAFMR, WAP, WSCI, WSPR, and WSMRF Carmel Women’s Club
	<b>THURSDAY, JANUARY 29, 2009</b>
8:00 am – 5:00 pm 7:00 am – 11:00 am 3:00 pm – 6:00 pm	<b>Faculty and Fellow Registration</b> Pacific Repertory Theater – Golden Bough <b>Student and Resident Registration</b> Monterey Beach Hotel – Captain’s Table
8:30 am – 12:00 pm <i>CME certified</i>	<b>WAFMR, WSCI, WAP, and WSPR Joint Plenary Session I</b> WSPR Stanley Wright Memorial Lecture WAP Distinguished Lectureship WSCI Mayo Soley Award WSPR Abbott Nutrition Joseph W. St. Geme, Jr. Education Award Pacific Repertory Theater – Golden Bough
12:15 pm – 1:15 pm	<b>New Investigator Workshops</b> <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i>  <i>Sunset Center – Bingham #3</i> Keys to Writing Successful Grants Margaret E. Wierman, <i>University of Colorado Denver</i> <i>Sunset Center – Chapman #4</i> Manuscript Writing 101 Bradley Anawalt, <i>University of Washington</i>
1:45 pm – 4:15 pm <i>CME certified</i>	<b>WAFMR, WSCI, WAP, and WSPR Joint Plenary Session II</b> 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	<b>WSCI Business Meeting</b> Pacific Repertory Theater – Golden Bough
4:15 pm – 5:00 pm	<b>WSPR Business Meeting</b> Pacific Repertory Theater – Golden Bough
5:00 pm – 6:45 pm	<b>Tri-Society Retreat</b> Pacific Repertory Theater – Golden Bough
5:00 pm – 6:00 pm	<b>Developmental Biology Club</b> Church of the Wayfarer
6:00 pm – 8:00 pm	<b>Student Subspecialty Award Session: Posters, Pizza and Beer</b> Monterey Beach Hotel – La Grande Room <i>All welcome and encouraged to attend</i>
6:00 pm – 9:00 pm	<b>Cardiovascular Club</b> Il Forniao, Ocean Room – Pine Inn
6:00 pm – 9:00 pm	<b>West Coast Endocrine Club</b> LaPlaya Hotel – Carmel Room
	<b>FRIDAY, JANUARY 30, 2009</b>
8:00 am – 5:00 pm 7:00 am – 11:00 am 3:00 pm – 6:00 pm 1:00 pm – 1:30 pm	<b>Faculty and Fellow Registration</b> Entry Lobby – Sunset Center <b>Student and Resident Registration</b> Monterey Beach Hotel – Captain’s Table Room <b>CTS Credit Sign In Registration</b> Carmel Women’s Club
7:00 am – 8:00 am	<b>Breakfast-with-the-Investigator</b> Monterey Beach Hotel – La Grande Room
8:30 am – 12:00 pm <i>CME certified</i>	<b>Concurrent Sessions</b> Behavior and Development – Bingham #3, Sunset Center Cardiovascular I – Il Forniao – Ocean Room, Pine Inn Endocrinology I – 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 – 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
8:30 am – 12:00 pm <i>CME certified</i>	<b>Student Scientific Session I</b> Community Health Project LaPlaya Hotel – Carmel Room
8:30 am – 12:00 pm <i>CME certified</i>	<b>Student Scientific Session II</b> Surgery Chapman #4, Sunset
8:30 am – 12:00 pm <i>CME certified</i>	<b>Student Scientific Session III</b> Community Health Project LaPlaya Hotel – Poseiden Room
8:30 am – 12:00 pm <i>CME certified</i>	<b>Student Scientific Session IV</b> Genetics & Development

	Sunset Center – Carpenter Hall
12:00 pm – 1:30 pm	<b>Society Officers Planning Luncheon Meeting</b> <i>(invited attendees only)</i> La Playa Hotel
12:15 pm – 1:15 pm	<b>New Investigator Workshops</b> <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i> <b>Sunset Center – Bingham #3</b> Keys to Writing Successful Grants Margaret E. Wierman, <i>University of Colorado Denver</i> <b>Sunset Center – Chapman #4</b> Manuscript Writing 101 Bradley Anawalt, <i>University of Washington</i>
1:30 pm – 5:00 pm <b>CME certified</b>	<b>Concurrent Sessions</b> 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 I – 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 – 4:00 pm <b>CME certified</b>	<b>Student Scientific Session V</b> Infectious Disease and Hematology and Oncology LaPlaya – Carmel Room
1:30 pm – 4:00 pm <b>CME certified</b>	<b>Student Scientific Session VI</b> Cardiology LaPlaya – Poseidon Room
1:30 pm – 5:00 pm <b>CME certified</b>	<b>Student Scientific Session VII</b> Community Health Project Sunset Center – Bingham #3
1:00 pm – 4:00 pm <b>CME certified</b>	<b>Student Scientific Session VIII</b> Community Health Project Carlson Hall, Church of the Wayfarer
1:30 pm – 5:00 pm <b>CME certified</b>	<b>Student Scientific Session IX</b> Health Care Research Sunset Center – Chapman #4
1:30 pm – 5:00 pm	<b>California Thoracic Society – Session I</b> Managing Septic Shock Cardiopulmonary Exercise Testing in Lung and Heart Diseases Managing Dyspnea in Lung Diseases Carmel Women's Club
5:30 pm – 7:30 pm	<b>Dysmorphology Club</b> Carpenter Hall – Sunset Center
6:15 pm – 9:30 pm <b>CME certified</b>	<b>Jr. Faculty and Fellow Subspecialty Scholars Award Event</b> Carmel Women's Club <i>(by invitation only)</i> Academics, a Great Career: In Good Times and in Bad Jane EB Reusch <i>University of Colorado Denver-VAMC</i> Chapman #4 – Sunset Center

6:00 pm – 9:30 pm <i>CME certified</i>	<b>Western Metabolism Club</b> Bingham #3 – Sunset Center
6:00 pm – 9:00 pm	<b>CTS Social Hour and Dinner</b> <i>"in the tradition of the Western Respiratory Club Dinner"</i> Jon Samet, <i>University of Southern California</i> La Playa Hotel
6:30 pm – 9:00 pm	<b>Western Kidney Club</b> Il Forniao, Ocean Room – Pine Inn
	<b>SATURDAY, JANUARY 31, 2009</b>
8:00 am – 12:00 pm 7:00 am – 11:00 am 3:00 pm – 6:00 pm 1:15 pm – 1:30 pm	<b>Faculty and Fellow Registration</b> Entry Lobby – Sunset Center <b>Student and Resident Registration</b> Monterey Beach Hotel – Captain’s Table Room <b>CTS Registration</b> Carmel Women's Club
7:00 am – 8:00 am	<b>Breakfast-with-the-Investigator</b> Monterey Beach Hotel – La Grande Room
8:30 am – 12:00 pm <i>CME certified</i>	<b>Concurrent Sessions</b> Cardiovascular III – Il Forniao – Ocean Room, Pine Inn Endocrinology II – Room #6, Sunset Center Hematology and Oncology II – Studio 105, Sunset Center Immunology and Rheumatology II – Chapman #4, Sunset Center Infectious Diseases II – Mini Symposium – Promenade Lobby, Sunset Center Neonatology – Developmental Biology – All Saints Church, Auditorium Neonatal – Pulmonary II – All Saints Church, Sanctuary Neuroscience II – Conductor's Room, Sunset Center Pulmonary and Critical Care II – Carmel Women’s Club Surgery II – Green Room, Sunset Center
8:30 am – 12:00 pm <i>CME certified</i>	<b>Student Scientific Session X</b> Surgery Carlson Hall, Church of the Wayfarer
8:30 am – 12:00 pm <i>CME certified</i>	<b>Student Scientific Session XI</b> Surgery Sunset Center – Bingham #3
8:30 am – 12:00 pm <i>CME certified</i>	<b>Student Scientific Session XII</b> Morphogenesis Sunset Center – Rehearsal Room
9:00 am – 11:45 am <i>CME certified</i>	<b>Residents’ Forum</b> Carpenter Hall, Sunset Center
12:30 pm – 2:30 pm	<b>Residents' Luncheon</b> Carpenter Hall, Sunset Center
1:30 pm – 5:30 pm	<b>California Thoracic Society – Session II</b> <i>CTS Master Clinician Lecture</i> Pulmonary Embolism Inhalational Injuries in the Workplace Pulmonary and Critical Care Complications of Bone Marrow Transplants Carmel Women’s Club

5:30 pm – 6:30 pm	<b>WSMRF Committee Meeting</b> Monterey Beach Hotel – Captain’s Table
6:30 pm – 9:00 pm	<b>Western Student Medical Research Forum Awards Banquet</b> Invited Speaker, Paul Epstein, <i>Associate Director of the Center for Health and the Global Environment at Harvard Medical School</i> Climate Instability: Health Consequences and Healthy Solutions Monterey Beach Hotel – Points Ballroom

The sessions that will be CME certified are noted on the Program-at-a-Glance page. CME credit will be available to all attendees for the actual hours of course attendance through Tulane University. CME registration is available on-line or at the Registration Desk in the Sunset Center for \$65.00. If you paid for CME on-line, you will need to fill out the CME Verification Form at the Registration Desk in order to receive your CME certificate.

### Tulane University Health Sciences Center

**PROGRAM OBJECTIVES:** At the conclusion of this educational activity, the participant should be better able to:

1. Discuss new developments in pathophysiology of human disease that will improve patient care and medical education
2. Identify new areas of investigation which will inform research and improve patient care and safety
3. Explore current innovative tools for teaching and practicing medicine
4. Evaluate current trends and techniques for biomedical research in common disease states.
5. Discuss recent medical advances
6. Develop optimal strategies for clinical investigation and transmission of clinical research results.

**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 educational activity for a maximum of 19.25 *AMA Physician's Recognition Award category 1 credits*<sup>TM</sup>. Each physician should claim only those hours of credit that he/she actually spent in the educational 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 CME CREDIT:** To receive the appropriate number of CME credits, it is important to do the following:

- Upon arrival, pick up your verification form at the Registration Desk.
- On your departure, turn in your completed verification form at the Registration Desk.

A listing of the number of credits available each day will be included with the verification form. Program hours that run simultaneously or overlap are not included in the total credits available each day.

### DISCLOSURE

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*<sup>TM</sup> 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 Scholars Program***

On behalf of the Western Organizing Committee we would like to thank the sponsors of the Seventh 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.

**Carmel Scholars in the area of:**  
Immunology and Rheumatology  
Pulmonary and Critical Care

***Our Proud Meeting Sponsor includes:***  
*Centocor Pharmaceuticals*

### **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  
American Medical Association Foundation  
California Thoracic Society  
Howard Hughes Medical Institute - NIH Research Scholars Program  
Howard Hughes Medical Institute - Research Training Fellowships  
for Medical Students  
Mead Johnson Nutritionals  
National Institutes of Health – Clinical Research Training Program  
Sarnoff Cardiovascular Research Foundation  
Stanford University  
University of Washington/Seattle Children's Hospital

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

Sharon Adler  
David Amaral  
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Jane Buckner  
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Victoria Camerini  
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Steven Chessler  
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Christopher Cunniff  
Linda Curtiss  
Nicholas Daniels  
Laurel Desnick

Laura Dugan  
David Durand  
Ferric Fang  
Kenneth Feingold  
Gary Firestein  
David Fredricks  
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Edward Goldson  
Kathryn Hassell  
Randall Heidenreich  
Andrew Hopper  
Loris Hwang  
Adam Jonas  
Mark Looney  
Thomas Ma  
Mary Malloy  
John Masterson  
Susanne Nicholas  
Jerrold Olefsky  
Richard Olney  
Rangasamy Ramanathan

Virender Rehan  
Jane Reusch  
Hamid Said  
Gary Schiller  
Robert Schooley  
Robert Schwartz  
Thomas Semrad  
Istvan Seri  
Erik Skarsgard  
Brian Stauffer  
Ron Swerdloff  
Nick Vaziri  
Feizal Waffarn  
Edward Wagner  
Leslie Walker  
Jeff Wallace  
Donna Washington  
Ted Wun  
Mark Wurfel

**SPECIALTY ANNOUNCEMENTS**  
**Thursday, January 29, 2009**

**DEVELOPMENTAL BIOLOGY CLUB**  
5:00 PM  
Church of the Wayfarer

**David W. Smith Memorial Lecture**  
**The Power of Touch - Lessons Learned from the Worm**

*Featured Speaker: Catherine Rankin, University of British Columbia*

Contact person: Judith Hall  
*Sponsored by Mead Johnson Nutritionals*

**CARDIOVASCULAR CLUB**  
6:00 PM  
Il Forniao – Pine Inn

**TRIGLYCERIDE-RICH LIPOPROTEINS AND VASCULAR INFLAMMATION: WHERE THE FAT HITS THE FAN**

*Featured Speaker: John Rutledge, University of California, Davis*

**WEST COAST ENDOCRINE CLUB**

6:00 PM

Carmel Room, La Playa Hotel  
Reception and Scientific Program

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

**Prolactin and Prolactinomas: What's New?**

*Featured Speaker: Mark Molitch, Northwestern University*

Wine, Cheese and Light Refreshments

*Sponsored by an educational grant from Corcept Therapeutics*

**Friday, January 30, 2009**

**DYSMORPHOLOGY CLUB**

5:30 PM – 7:30 PM

Carpenter Hall – Sunset Center

**Genetic Unknowns and Rare Knowns**

Contact person: Louanne Hudgins

*Supported by an unrestricted educational grant from Abbott Nutrition*

**WESTERN METABOLISM CLUB**

6:00 PM

Bingham #3 – Sunset Center

**Presentation of 2009 Robert H. Williams-Rachmiel Levine Award**

**Genotype and Phenotype Relationships: In Common Diseases, and Between Mentor and Mentee**

*Recipient: Jerome I. Rotter, Cedars-Sinai Medical Center*

**WESTERN PERINATAL CLUB**

6:00 PM – 9:30 PM

Carmel Room – La Playa Hotel

**Perinatal Briefing**

**Improving Neonatal Quality Across California: The Evolving Role of CPQCC**

*Featured Speaker: Paul Sharek, Stanford School of Medicine*

*Supported by Mead Johnson Nutritionals*

**WESTERN KIDNEY CLUB**

6:30 PM

Il Forniao – Pine Inn

*Bradley Warady, University of Missouri School of Medicine*

**WESTERN ASSOCIATION OF PHYSICIANS**

*Sunset Center – Carpenter Hall*

**Wednesday, January 28, 2009**

**2:00 PM – 5:00 PM**

**EVOLUTIONARY PATHOBIOLOGY OF ATHEROSCLEROSIS  
(THROMBOSIS, INFLAMMATION AND LIPIDS)**

*Michael Crawford and David Gilbert, Presiding*

**2:00 INTRODUCTION**

Michael Crawford, *University of California, San Francisco*

**2:15 THROMBOSIS**

Ethan Weiss, *University of California, San Francisco*

**3:00 BREAK**

**3:15 INFLAMMATION**

Christopher Glass, *University of California, San Diego*

**4:00 LIPIDS**

Alan Chait, *University of Washington*

**4:45 DISCUSSION**

**5:00 ADJOURN**

**5:00 WESTERN ASSOCIATION OF PHYSICIANS BUSINESS MEETING**

**5:30 JOINT SOCIETY RECEPTION**

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**JOINT PLENARY SESSION I**

**EFFECTS OF EXERCISE ON AGING, METABOLISM, AND VASCULAR DISEASE**

**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 – 12:00 PM  
Thursday, January 29, 2009**

*Jane EB Reusch and Michael Crawford, Presiding*

**8:30 WSPR STANLEY WRIGHT MEMORIAL LECTURE  
THE RISK OF ATHEROSCLEROTIC CARDIOVASCULAR DISEASE IN  
CHILDREN AND ADOLESCENTS.**

*Stephen R. Daniels, University of Colorado School of Medicine*

**9:00 EXERCISE TRAINING AND METABOLIC FLEXIBILITY.**

*Bret H. Goodpaster, University of Pittsburgh*

***9:45 – 10:00 Intermission***

**10:00 “MYOKINES” THE MUSCLE AS AN ENDOCRINE ORGAN.**

*Kenneth Walsh, Boston University School of Medicine*

**10:45 WSCI MAYO SOLEY AWARD**

**Presenter:** Hal F. Yee, Jr.

**Recipient:** James N. Weiss, *David Geffen School of Medicine at UCLA*

**11:00 WSPR ABBOTT NUTRITION JOSEPH W. ST. GEME, JR. EDUCATION  
AWARD**

*David K. Stevenson, Stanford University*

**11:15 WAP DISTINGUISHED LECTURESHIP**

**EXERCISE, MITOCHONDRIA AND METABOLIC PHENOTYPE.**

*David E. Kelley, Merck and Company*

**12:00 ADJOURN**

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**JOINT PLENARY SESSION II**

**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***

**1:45 PM – 4:15 PM  
Thursday, January 29, 2009**

*Joseph Vinetz and F. Curt Bennett, Presiding*

**1:45 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE  
RESEARCH AWARD**

**SHORT-TERM EXPOSURE OF ACETAZOLAMIDE IN THE  
PHARMACOLOGIC TREATMENT OF CHRONIC METABOLIC ALKALOSIS  
IN NEONATES AND INFANTS.**

*B Tam, A Chhay, L Yen, L Tesoriero, I Seri and P Friedlich, Los Angeles, CA. Children's  
Hospital Los Angeles, University of Southern California Keck School of Medicine*

Abstract 1

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

**CHITOSAN-MEDIATED IN UTERO GENE THERAPY FOR CYSTIC FIBROSIS.**

*P Yang, E Skarsgard and W Jia, Vancouver, BC, Canada. The University of British  
Columbia (WSMRF)*

Abstract 2

**2:15 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD  
PHENOTYPIC AND MOLECULAR CHARACTERIZATION OF THE SKELETAL  
MANIFESTATIONS OF NEUROFIBROMATOSIS TYPE 1.**

*David A. Stevenson, University of Utah*

***2:45 - 3:00 Intermission***

**3:00 E. E. OSGOOD AWARD**

**MODULATION OF REGULATORY T LYMPHOCYTES BY KILLER  
DENDRITIC CELLS.**

*J Wright and N Larmonier, Tucson, AZ. University of Arizona College of Medicine  
(WAFMR)*

Abstract 3

**3:15 WAFMR OUTSTANDING INVESTIGATOR AWARD  
FRUCTOSE CONSUMPTION IN RHESUS MACAQUES AS A MODEL FOR**

**ACCELERATED DEVELOPMENT OF DYSLIPIDEMIA AND INSULIN RESISTANCE.**

Andrew A. Bremer, *University of California, Davis*

Abstract 4

**3:45 WSCI OUTSTANDING INVESTIGATOR AWARD**

**INSULIN AND GROWTH FACTOR SIGNALING IN THE HEART.**

E. Dale Abel, *University of Utah, School of Medicine*

**4:15 WSPR BUSINESS MEETING**

**WSCI BUSINESS MEETING**

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**NEW INVESTIGATOR WORKSHOPS**

**12:15 PM – 1:15 PM**

**Thursday, January 29, 2009**

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*

**KEYS TO WRITING SUCCESSFUL GRANTS**

Margaret E. Wierman, *University of Colorado Denver*

*Sunset Center – Chapman #4*

**MANUSCRIPT WRITING 101**

Bradley Anawalt, *University of Washington*

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**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 29, 2009**

- 1 FEASABILITY OF A WALKING SCHOOL BUS PROGRAM TO PREVENT OBESITY IN HISPANIC ELEMENTARY SCHOOL CHILDREN.**  
*C Conklin, N Burks, C Roldan and A Kong, Albuquerque, NM. University of New Mexico School of Medicine (WSPR Subspecialty Award Winner)*

Abstract 5
- 2 HOW DOES AUDITORY SENSORY GATING IN NEWBORNS WITH PRENATAL DRUG AND/OR NICOTINE EXPOSURE DIFFER FROM NEWBORNS WITH NORMAL PRENATAL EXPOSURES?**  
*A Herndon, S Hunter and R Ross, Aurora, CO. University of Colorado, Denver School of Medicine (WSPR Subspecialty Award Winner)*

Abstract 6
- 3 TRANSFORMING GROWTH FACTOR-BETA PATHWAY POLYMORPHISMS AND AORTIC ROOT DILATATION IN KAWASAKI DISEASE PATIENTS.**  
*KO Lin, D Molkara, JR Frazer, C Shimizu, S Jain, S Sun, AL Baker, JW Newburger, S Davila, ML Hibberd and JC Burns, La Jolla and San Diego, CA; Boston, MA and Singapore, Singapore. University of California, San Diego School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 7
- 4 RELATIONSHIPS BETWEEN PHYSIOLOGICAL AND FUNCTIONAL VARIABLES IN PERIPHERAL ARTERIAL DISEASE.**  
*P Liu, S Figoni and C Kunkel, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 8
- 5 TESTOSTERONE SUPPLEMENTATION PREVENTS AGE-RELATED LOSS OF SKELETAL MUSCLE MASS BY INHIBITING JNK AND MYOSTATIN SIGNALING.**  
*R Porche, E Kovacheva, R Shen, E Assanah and I Sinha-Hikim, Los Angeles, CA. Charles Drew University (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

- 6 MECHANICAL VENTILATION OF PRETERM LAMBS FOR 3-4 WEEKS IS ASSOCIATED WITH NECROTIZING ENTEROCHOLITIS.**  
*WL Leavitt, A Smith, C Blair, A Wint, J Alvord, L Dong, MJ Dahl, L Joss-Moore, L Moyer-Mileur, DM Null, BA Yoder, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*  
Abstract 10
- 7 NEXT-GENERATION DNA SEQUENCING FOR DE NOVO GENOME ASSEMBLY.**  
*J Hiatt, E Turner, R Patwardhan, C Lee and J Shendure, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)*  
Abstract 11
- 8 AUTOMATED CLINICAL INFORMATION SYSTEM IMPROVES PATIENT CARE.**  
*ES Park and J Perkins, Seattle, WA. University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*  
Abstract 12
- 9 FEEDBACK REGULATION OF P53/MICRORNA 34A/BCL6 CIRCUITRY IN B-CELL DIFFERENTIATION.**  
*JL Zhao, D Rao and D Baltimore, Los Angeles, CA and Pasadena, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*  
Abstract 13
- 10 EFFECTS OF SPECIFIC SINGLE-NUCLEOTIDE POLYMORPHISMS IN A LUPUS-ASSOCIATED HAPLOTYPE OF COMPLEMENT RECEPTOR 2 ON ALTERNATIVE SPLICING.**  
*KB Douglas, DC Windels, AV Gadeliya, CL Homme, D Ulgiati, BP Tsao and SA Boackle, Aurora, CO; Crawley, West Australia and Los Angeles, CA. University of Colorado Denver School of Medicine (WAFMR/WSCI Subspecialty Award Winner)*  
Abstract 14
- 11 CHITOSAN NANOPARTICLES FOR ANTIMICROBIAL TREATMENT AGAINST CUTANEOUS PATHOGENS.**  
*X Ye, J Chamber, C Fernandez, J Phan and J Kim, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*  
Abstract 15
- 12 ASSESSMENT OF AUTONOMIC DAMAGE IN DIABETICS USING AN ISOMETRIC HANDGRIP TEST.**  
*M Sirichotiratana, J Petrofsky and M Prowse, Loma Linda, CA. Loma Linda University (WAFMR/WSCI Subspecialty Award Winner)*  
Abstract 16
- 13 ULTRASOUND IMAGING OF THE FETAL CISTERNA MAGNA:**

- DIFFERENTIATION OF MEGA CISTERNA MAGNA FROM DANDY-WALKER VARIANT BY RATE OF GROWTH OF THE FETAL CISTERNA MAGNA IN THE SECOND AND THIRD TRIMESTERS.**  
*E Richardson, M Dighe and D Doherty, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)*  
Abstract 17
- 14 BRAIN INJURY AND AMPLITUDE-INTEGRATED ELECTROENCEPHALOGRAM IN PRETERM INFANTS.**  
*N Can, HC Glass, SL Bonifacio, D Glidden, J Barkovich and DM Ferriero, Irvine and San Francisco, CA. University of California, Irvine (WSPR Subspecialty Award Winner) (WSMRF)*  
Abstract 18
- 15 PHYSIOLOGIC VITAMIN D HORMONE 1 $\alpha$ ,25(OH) $_2$ D $_3$  HAS SPATIAL AND TEMPORAL-SPECIFIC ACTIONS DURING PERINATAL PULMONARY MATURATION.**  
*S Fonseca, R Sakurai, E Shin, J Torday and V Rehan, Torrance, CA. Harbor-UCLA Medical Center (WSPR Subspecialty Award Winner)*  
Abstract 19
- 16 DEVELOPMENTAL EXPRESSION AND FUNCTION OF COLLAGEN TYPE XI IN ZEBRAFISH.**  
*BL McMahan, J Adams and J Oxford, Seattle, WA and Boise, ID. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)*  
Abstract 20
- 17 ELEVATED ACTIVITY OF MATRIX METALLOPROTEINASE-2 AND -9 IS ASSOCIATED WITH INCREASED STIFFNESS, MEDIAL CALCIFICATION AND VASOMOTOR DYSFUNCTION OF ARTERIAL VASCULATURE IN PATIENTS WITH END-STAGE KIDNEY DISEASE.**  
*JM Kim, HC Yang, E Chum, WA Gourlay, A Levin and AW Chung, Vancouver, BC, Canada. Child and Family Research Institute (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*  
Abstract 21
- 18 ESTROGEN RAPIDLY ATTENUATES GLUTAMATERGIC NEUROTRANSMISSION AT PRO-OPIOMELANOCORTIN SYNAPSES.**  
*M Nguyen and E Wagner, Pomona, CA. Western University of Health Sciences - College of Osteopathic Medicine of the Pacific (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*  
Abstract 22
- 19 COBINAMIDE AND DOS MONITORING-A POTENTIAL NEW TREATMENT APPROACH FOR MASS CASUALTY CYANIDE POISONING.**  
*R Ahdout, K Kreuter, D Mukai, J Kim, J Lee, W Blackle, S Mahon, G Boss and M Brenner, Irvine and La Jolla, CA. University of California, Irvine (WAFMR/WSCI Subspecialty Award Winner)*  
Abstract 23

- 20 OP-1 ENHANCES OSTEOGENESIS IN OSTEOPROGENITOR CULTURES CHALLENGED WITH POLYMETHYLMETHACRYLATE PARTICLES.**  
*R Chiu, S Kann, T Ma and S Goodman, Stanford, CA. Stanford University School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 24

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**BREAKFAST-WITH-THE-INVESTIGATOR**

*Monterey Beach Hotel – La Grande Room*

**Friday, January 30, 2009  
7:00 AM – 8:00 AM**

**THE CV, THE PERSONAL STATEMENT, AND LORS IN PREPARATION TO A RESIDENCY PROGRAM: THE BEST PACKAGE FOR YOUR IDEAL PROGRAM.**  
*Sergio Huerta, University of Texas Southwestern*

**AN ACADEMIC CAREER IN CLINICAL INVESTIGATION.**  
*Gary Schiller, David Geffen School of Medicine at UCLA*

**WHAT TO DO WITH YOUR PROFESSIONAL CAREER AND HOW TO DECIDE.**  
*Hal F. Yee, Jr., University of California, San Francisco*

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**CONCURRENT SESSIONS**

and

**STUDENT SCIENTIFIC SESSIONS**

**Friday, January 30, 2009**

**8:30 AM**

*Jointly sponsored by*

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

**Behavior and Development.....Bingham Room #3, Sunset Center  
Cardiovascular I ..... Il Forniao, Pine Inn  
Endocrinology I .....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 .....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, III, and IV**

**8:30 AM – 12:00 PM**

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

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**Behavior and Development**

Sunset Center, Bingham Room #3

*F. Curt Bennett and Edward Goldson, Presiding*

**8:30 HOW DOES AUDITORY SENSORY GATING IN NEWBORNS WITH  
PRENATAL DRUG AND/OR NICOTINE EXPOSURE DIFFER FROM  
NEWBORNS WITH NORMAL PRENATAL EXPOSURES?**

*A Herndon, S Hunter and R Ross, Aurora, CO. University of Colorado, Denver School of Medicine (WSPR Subspecialty Award Winner)*

Abstract 25

**8:45 CHRONIC TOBACCO USE AND P50 SENSORY GATING.**

*ME Guese, LF Martin, R Freedman and A Olincy, Denver and Aurora, CO. University of Colorado Denver School of Medicine (WSMRF)*

Abstract 26

**9:00 CORRELATING STRUCTURAL-FUNCTIONAL PARAMETERS IN THE DEVELOPING BRAIN DURING IMPLICIT LANGUAGE LEARNING.**

*YK Han, K McNealy, E Kan, V Shih, E Sowell and M Dapretto, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 27

**9:15 UNDERIDENTIFICATION OF ANXIETY AND ATTENTIONAL SYMPTOMS IN CHILDREN WITH CHROMOSOME 22Q11.2 DELETION SYNDROME.**

*K Angkustsiri, N Tartaglia, J Johnson, J Enriquez, RL Hansen and TJ Simon, Sacramento, CA and Denver, CO. University of California Davis Medical Center (WSPR Mead Johnson Travel Award Winner) (WSPR)*

Abstract 28

**9:30 SENSITIVITY OF THE AUTISM DIAGNOSTIC OBSERVATION SCHEDULE FOR CHILDREN WITH AUTISM SPECTRUM DISORDERS AND CO-OCCURRING ANXIETY SYMPTOMS.**

*K Homburg, A Blakeley-Smith, K Ridge, S Hepburn and J Reaven, Aurora, CO. University of Colorado Denver School of Medicine (WSMRF)*

Abstract 29

**9:45 GASTROINTESTINAL DISORDERS IN CHILDREN WITH AUTISM SPECTRUM DISORDER FROM MULTIPLEX FAMILIES IN THE AGRE DATABASE.**

*LW Wang and D Thomas, Sacramento and Los Angeles, CA. University of California, Davis M.I.N.D. Institute*

Abstract 30

*10:00 – 10:15 Intermission*

**10:15** *State-of-the-Art Speaker*

**THE IMMUNE "ENVIRONMENT" IN AUTISM.**

*Robin Hansen, MIND Institute, University of California, Davis*

**10:45 CHANGES IN SELF-ESTEEM IN OVERWEIGHT CHILDREN PARTICIPATING IN A MEDICALLY SUPERVISED AND PSYCHOLOGICALLY MONITORED RISK FACTOR REDUCTION PROGRAM.**

*B Creel, WN Evans, RJ Acherman, GA Mayman and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada*

Abstract 31

**11:00 PEDIATRIC MENTAL HEALTH AND SUBSTANCE ABUSE SCREENING PRACTICES.**

*J Warmack and P Riggs, Denver, CO. University of Colorado Denver School of Medicine*  
Abstract 32

**11:15 EVALUATING THE EFFICACY OF APPETITE AWARENESS TRAINING IN THE TREATMENT OF EATING DISORDERS IN A MILIEU-BASED PROGRAM: A PILOT STUDY.**

*AA Cirona, M Solomon, C Nab and J Hagman, Denver and Aurora, CO. University of Colorado Denver School of Medicine (WSMRF)*

Abstract 33

**11:30 TRAUMA EXPOSURE AND COPING MECHANISM IN ERITREAN REFUGEES: AN EXPLORATORY STUDY.**

*BW Belay and D Savin, Aurora, CO. University of Colorado Denver School of Medicine*

Abstract 34

**11:45 HOW OVERWEIGHT CHILDREN IMPACTS FAMILY DOMAINS.**

*B Creel, WN Evans, RJ Acherman, GA Mayman and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada*

Abstract 35

**Cardiovascular I**

Pine Inn, Il Forniao – Ocean Room

*Jane Reusch, Presiding*

**8:30 TRANSFORMING GROWTH FACTOR-BETA PATHWAY POLYMORPHISMS AND AORTIC ROOT DILATATION IN KAWASAKI DISEASE PATIENTS.**

*KO Lin, D Molkara, JR Frazer, C Shimizu, S Jain, S Sun, AL Baker, JW Newburger, S Davila, ML Hibberd and JC Burns, La Jolla and San Diego, CA; Boston, MA and Singapore. University of California, San Diego School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 36

**8:45 ROSUVASTATIN SUPPRESSES THE DEVELOPMENT OF EXPERIMENTAL ABDOMINAL AORTIC ANEURYSMS IN MICE THROUGH THE INDUCTION OF HEME OXYGENASE-1.**

*J Azuma, RJ Wong, T Morisawa, M Hsu, DK Stevenson and PS Tsao, Stanford, CA. Stanford University School of Medicine (WSCI Travel Award Winner) (WSMRF)*

Abstract 37

**9:00 L-4F, AN HDL MIMETIC PEPTIDE, INHIBITS PLATELET AGGREGATION.**

*DA Tien, GM Buga, M Navab, ST Reddy and AM Fogelman, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 38

**9:15 EXERCISE-INDUCED AORTIC HEME OXYGENASE ACTIVITY IS ASSOCIATED WITH ATTENUATION OF EXPERIMENTAL ABDOMINAL**

**AORTIC ANEURYSM DISEASE.**

*GM Schultz, MM Tedesco, T Morisawa, J Azuma, RJ Wong, DK Stevenson and RL Dalman, Stanford, CA. Stanford University (WSMRF)*

Abstract 39

**9:30 AFTERDEPOLARIZATIONS OCCUR IN CARDIOMYOCYTES DERIVED FROM HUMAN EMBRYONIC STEM CELLS AND INDUCED PLURIPOTENT STEM CELLS.**

*JA Gantz and M Laflamme, Seattle, WA. University of Washington (WSMRF)*

Abstract 40

**9:45 AFOS INHIBITS PHENYLEPHRINE MEDIATED CONTRACTILE DYSFUNCTION BY ALTERING PHOSPHOLAMBAN AND TROPONIN T PHOSPHORYLATION.**

*M Jeong, J Walker, W Colucci, R Moore, C Vinson and C Long, Aurora, CO; Boston, MA; Boulder, CO and Bethesda, MD. University of Colorado Denver*

Abstract 41

**10:00 - 10:15 Intermission**

**10:15 IMMEDIATE HYPOTHERMIA, AND NOT DELAYED, INDUCTION IMPROVES LEFT VENTRICULAR FUNCTION AND ATTENUATES LV REMODELING IN ACUTE MYOCARDIAL INFARCTION.**

*EB Juneman, H Raasch, T Hagerty, J Lancaster, S Goldman and H Thai, Tucson, AZ. Southern Arizona VA (WAFMR)*

Abstract 42

**10:30 CARDIAC DIFFERENTIATION OF INDUCED PLURIPOTENT STEM CELLS.**

*LT Hegerova, Seattle, WA. University of Washington (WSMRF)*

Abstract 43

**10:45 ON THE ROAD TO STEM CELL-BASED THERAPY FOR CARDIAC REPAIR: CHARACTERIZING WNT SIGNALING IN DIFFERENTIATING CARDIOMYOCYTES.**

*OK Afanasiev and CE Murry, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 44

**11:00 LIBMAN-SACKS ENDOCARDITIS IS A CAUSE OF STROKE/TRANSIENT ISCHEMIC ATTACKS AND FOCAL BRAIN INJURY IN PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS.**

*M Peralta, R Hayek, J Sharrar, C Gasparovic and C Roldan, Albuquerque, NM. University of New Mexico Health Sciences Center*

Abstract 45

**11:15 RIGHT VENTRICULAR REMODELING IN EISENMENGER'S SYNDROME: A THREE-DIMENSIONAL ANALYSIS.**

*L Strizich, Seattle, WA. University of Washington (WSMRF)*

**11:30 COVALENT MODIFICATION OF KEAP1 BY 1-PALMITOYL-2-(5,6-EPOXYISOPROSTANE E2)-SN-GLYCERO-3-PHOSPHATIDLYCHOLINE STIMULATES NRF2-DEPENDENT HEME-OXYGENASE PRODUCTION IN HUMAN AORTIC ENDOTHELIAL CELLS.**

*K Matinpour, M Mazzotta and A Watson, Los Angeles, CA. David Geffen School of Medicine, UCLA (WSMRF)*

Abstract 47

**Endocrinology I**

Sunset Center, Room # 6

*Steven Chessler, Presiding*

**8:30** *State-of-the-Art Speaker*

**PITUITARY TUMOR PATHOGENESIS.**

*Shlomo Melmed, Cedars Sinai Health Sciences Center*

**9:00 GENETIC NATURE OF INSULIN CLEARANCE, AN UNDERSTUDIED METABOLIC TRAIT.**

*MO Goodarzi, X Guo, YI Chen, B Fang, A Xiang, KD Taylor, TA Buchanan, LJ Raffel and JI Rotter, Los Angeles, CA. Cedars-Sinai Medical Center (WSCI Travel Award Winner) (WAFMR)*

Abstract 48

**9:15 THE RELATIONSHIP BETWEEN INSULIN RESISTANCE-ASSOCIATED METABOLIC PARAMETERS AND ANTHROPOMETRIC MEASUREMENTS WITH SUGAR-SWEETENED BEVERAGE INTAKE AND PHYSICAL ACTIVITY LEVELS IN US ADOLESCENTS: FINDINGS FROM THE 1999-2004 NATIONAL HEALTH AND NUTRITION EXAMINATION SURVEY.**

*AA Bremer, P Auinger and RS Byrd, Sacramento, CA and Rochester, NY. University of California, Davis*

Abstract 49

**9:30 THE LIPID AND WEIGHT CHANGE ASSOCIATED WITH BETA-BLOCKER IN TYPE 2 DIABETES.**

*W Gu, R Mallios, L Nguyen, A Cohen, GR Twitchell, V Pall and J Huang, Fresno, CA. University of California, San Francisco (WAFMR)*

Abstract 50

**9:45 ACUTE CONSUMPTION OF VERY LOW CARBOHYDRATE MEALS LOWERS POSTPRANDIAL CONCENTRATIONS OF INSULIN AND LEPTIN.**

*M Kumagai, J Smith, S Bergman, J Jordan, A Clemons, M Gillingham, B Duell and D Stadler, Portland, OR. Oregon Health and Science University*

Abstract 51

**10:00 - 10:15 Intermission**

**10:15 NON-DIABETIC ARE AT HIGH RISK FOR DEVELOPING PERSISTENT DIABETES MELLITUS AFTER LIVER TRANSPLANT.**

*LE Aguirre, M Sheikh-Ali and B McNeil, Albuquerque, NM and Jacksonville, FL. University of New Mexico (WSMRF)*

Abstract 52

**10:30 VITAMIN D (1,25D) INHIBITS CARDIOMYOBLASTS CELL PROLIFERATION BY PROMOTING CELL CYCLE ARREST AND ENHANCES CARDIOMYOTUBES FORMATION WITHOUT INDUCING APOPTOSIS.**

*JN Artaza and KC Norris, Los Angeles, CA. Charles Drew University (WAFMR)*

Abstract 53

**10:45 PRESENTING COMPLAINTS OF PEDIATRIC PATIENTS WITH HYPERTHYROIDISM.**

*L Loomba-Albrecht, AA Bremer, DM Styne and NS Glaser, Sacramento, CA. University of California Davis Medical Center*

Abstract 54

**11:00 ASSESSMENT OF MAXIMAL CORTISOL SECRETION RATES IN SECONDARY ADRENAL INSUFFICIENCY (AI) PATIENTS AND IN HEALTHY CONTROLS USING ADVANCED NUMERICAL MODELING METHODS.**

*Z Qiao, R Dorin, C Qualls and F Urban, Albuquerque, NM and Miami, FL. New Mexico Veterans Affairs Health Care System (WAFMR)*

Abstract 55

**11:15 REPRIMO EXPRESSION AND FUNCTION IN PITUITARY TUMORS.**

*AJ Knox, SA McNamara, M Xu, BK Kleinschmidt-DeMasters, KO Lillehei and ME Wierman, Aurora and Denver, CO. University of Colorado, Denver School of Medicine (WSCI)*

Abstract 56

**11:30 ANTI-CTLA-4 THERAPY INDUCES HYPOPITUITARISM IN METASTATIC PROSTATE CARCINOMA.**

*T Dillard and M Fleseriu, Portland, OR. Oregon Health & Science University*

Abstract 57

**11:45 INTRAUTERINE GROWTH RESTRICTION ALTERS RAT ENDOCANNIBINOID RECEPTOR EXPRESSION IN PERIPHERAL ADIPOSE TISSUE.**

*EK Brown, LA Joss-Moore, Y Wang, CW Callaway, X Yu, R McKnight, LJ Moyer-Mileur and RH Lane, Salt Lake City, UT. University of Utah*

Abstract 58

**Genetics**

Sunset Center, Rehearsal Room

*Randall A. Heidenreich and Adam Jonas, Presiding*

**8:30 CHROMOSOME 17Q21.31 DELETION SYNDROME: A REPORT OF TWO NEW PATIENTS AND REVIEW OF THE LITERATURE.**

*J Hogue and A Slavotinek, San Francisco, CA. University of California San Francisco*

Abstract 59

**8:45 EUKARYOTIC ELONGATION FACTOR 2 KINASE (EEF2K) DOWNREGULATION CORRELATED WITH DE NOVO DNA METHYLATION AND DECREASED DNA ACCESSIBILITY IN NEONATAL IUGR RAT LIVER.**

*Q Fu, RA McKnight, X Yu, CW Callaway and RH Lane, Salt Lake City, UT. University of Utah*

Abstract 60

**9:00 NEXT-GENERATION DNA SEQUENCING FOR DE NOVO GENOME ASSEMBLY.**

*J Hiatt, E Turner, R Patwardhan, C Lee and J Shendure, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)*

Abstract 61

**9:15 NATIVE CHROMATIN IMMUNOPRECIPITATION INEFFICIENTLY RECOVERS ACTIVELY TRANSCRIBED CHROMATIN.**

*GB Loeb, RB Deal and S Henikoff, Seattle, WA. University of Washington (WSMRF)*

Abstract 62

**9:30 PHENOTYPIC VARIATION IN PATIENTS WITH Q369 WT1 MUTATIONS.**

*T Cushing and C Clericuzio, Albuquerque, NM. University of New Mexico School of Medicine (WSPR)*

Abstract 63

**9:45 ETHYLMALONIC ENCEPHALOPATHY: EXPANDING THE PHENOTYPE.**

*KP Cusmano-Ozog, A Kwan, GM Enns and TM Cowan, Stanford, CA. Stanford University (WSPR)*

Abstract 64

**10:00 - 10:15 Intermission**

**10:15** *State-of-the-Art Speaker*

**ENZYME REPLACEMENT THERAPY FOR LYSOSOMAL STORAGE DISEASES: NEW CHALLENGES AND NEW APPROACHES.**

*Patricia I. Dickson, Harbor-UCLA*

**10:45 VISUAL AND AUDITORY FEATURES IN CARDIO-FACIO-CUTANEOUS SYNDROME.**

*SP Shankar, T Young, E Burner and K Rauen, San Francisco, CA and Durham, NC. University of California San Francisco (WSMRF)*

Abstract 65

**11:00 DYSOSTOSIS MULTIPLEX-LIKE SKELETAL FINDINGS IN ALBRIGHT HEREDITARY OSTEODYSTROPHY.**

*S Dugan, N Zadeh and J Bernstein, Stanford, CA. Stanford University (WAFMR)*

Abstract 66

**11:15 ACUTE RESPIRATORY FAILURE AND MUSCLE WEAKNESS: AN UNUSUAL PRESENTATION OF DANON DISEASE.**

*J Kaplan, M Manning, H Vogel and G Enns, Stanford, CA. Stanford University*

Abstract 67

**11:30 ESTIMATING THE PREVALENCE OF HEREDITARY HEMORRHAGIC TELANGIECTASIA (HHT) IN PATIENTS WITH JUVENILE POLYPS (JP) USING A CLINICAL INFORMATICS SYSTEM.**

*M Williams and G Wood, Salt Lake City, UT. Intermountain Healthcare (WSPR)*

Abstract 68

**11:45 DEXTROCARDIA DIAGNOSED AFTER ONE MONTH OF AGE ACCOMPANIED BY FEWER SERIOUS CARDIAC MALFORMATIONS.**

*JC Collazos, RJ Acherman, H Restrepo, RC Rollins, WJ Castillo, KT Kip and WN Evans, Las Vegas, NV. University of Nevada, School of Medicine*

Abstract 69

**Health Care Research I**

Sunset Center, Promenade Lobby

*Gary Schiller, Presiding*

**8:30 A LONGITUDINAL STUDY OF THE EFFECTS OF NURSE STAFFING LEVELS, NURSING CHARACTERISTICS, AND JOB TENURE ON PATIENT OUTCOMES FOR VA INPATIENT CARE.**

*CS Phibbs, AP Bartel and PW Stone, Menlo Park, CA; Stanford, CA and New York, NY. VA Palo Alto Health Care System (WSCI Travel Award Winner)*

Abstract 70

**8:45 AUTOMATED CLINICAL INFORMATION SYSTEM IMPROVES PATIENT CARE.**

*ES Park and J Perkins, Seattle, WA. University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 71

**9:00 ASSOCIATION OF NATIONAL INSTITUTES OF HEALTH FUNDING LEVELS WITH UNITED STATES DISEASE BURDEN MEASURES.**

*CJ Gouveia, L Gillum and SC Johnston, San Francisco, CA. University of California, San Francisco (WSMRF)*

Abstract 72

**9:15 DOES THE J-1 VISA WAIVER PROGRAM MEET THE NEEDS OF WASHINGTON STATE'S POOR AND UNDERSERVED?**

*TR Kahn, K Johnson and A Hagopian, Seattle, WA. University of Washington (WSMRF)*

Abstract 73

**9:30 IMPEDIMENTS TO AN UNDERSERVED WORKFORCE SOLUTION:  
BARRIERS TO FAMILY MEDICINE RESIDENT TRAINING IN COMMUNITY  
HEALTH CENTERS.**

*JE Sunshine, C Morris, M Keen, H Andrilla and F Chen, Seattle, WA. University of  
Washington School of Medicine (WSMRF)*

Abstract 74

**9:45 THE EFFECT OF SHOULDER DYSTOCIA SIMULATION TRAINING ON  
ACTUAL DYSTOCIA CHART DOCUMENTATION.**

*V Katz, TJ Benedetti, Q Wong and S Kim, Seattle, WA. University of Washington  
(WSMRF)*

Abstract 75

***10:00 - 10:15 Intermission***

**10:15 EFFECTS OF BODY MASS INDEX (BMI) IN CHILDREN HOSPITALIZED  
WITH ASTHMA.**

*A Moore, F Nkoy, G Lattin and B Fassl, Salt Lake City, UT. University of Utah*

Abstract 76

**10:30 COMMUNITY SOCIOECONOMIC STATUS AND PROVISION OF  
BYSTANDER CARDIOPULMONARY RESUSCITATION IN OUT-OF-  
HOSPITAL CARDIAC ARREST.**

*M Mitchell, B Stubbs and M Eisenberg, Seattle, WA. University of Washington (WSMRF)*

Abstract 77

**10:45 EVALUATING DISCLOSURE AND OFFER PROGRAMS TO ENHANCE THE  
RESPONSE TO MEDICAL INJURIES.**

*DJ Benedetti and T Gallagher, Seattle, WA. University of Washington School of Medicine  
(WSMRF)*

Abstract 78

**11:00 EFFICACY OF NEONATAL CARE EDUCATION FOR EXPECTANT  
MOTHERS IN A LIMITED-RESOURCE HOSPITAL.**

*E Weiner, S Billamay, JC Partridge and AM Martinez, San Francisco, CA and Vientiane,  
Laos. University of California San Francisco*

Abstract 79

**11:15 PARENT-DEFINED TARGET SYMPTOMS IN THE RUPP  
METHYLPHENIDATE STUDY.**

*R Sarhangian, K Bearss and L Scahill, Tucson, AZ and New Haven, CT. University of  
Arizona College of Medicine (WAFMR)*

Abstract 80

## **Hematology and Oncology I**

Sunset Center, Studio 105

*Jerry Powell, Presiding*

- 8:30 TAZAROTENE'S CHEMOPREVENTION EFFICACY ON PRECLINICAL MODELS OF MEDULLOBLASTOMA AND BASAL CELL CARCINOMA.**  
*AI Landry and P So, Westwood, CA. David Geffen School of Medicine at UCLA*  
Abstract 81
- 8:45 TREATMENT OUTCOMES OF PROSTATE PATIENTS WITH HIP REPLACEMENTS FOLLOWING PROTON THERAPY.**  
*J Park, D Bush and JD Slater, Loma Linda, CA. Loma Linda University (WSMRF)*  
Abstract 82
- 9:00 THE PROTEASOME INHIBITOR NPI-0052 TARGETS GLIOMA STEM CELLS AND RADIOSENSITIZES GLIOBLASTOMAS IN-VITRO AND IN-VIVO.**  
*M Mattes, E Vlashi, L Della Donna, C Lagadec, T McDonald and F Pajonk, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*  
Abstract 83
- 9:15 VOLUME ASSESSMENT ACCURACY IN COMPUTED TOMOGRAPHY: A PHANTOM STUDY.**  
*ND Prionas, S Ray and JM Boone, Sacramento, CA. University of California, Davis Medical Center (WSMRF)*  
Abstract 84
- 9:30 'PULMONARY EMBOLISM SEVERITY INDEX' VS 'PULSE-OXIMETRY' IN RISK STRATIFICATION OF PULMONARY EMBOLISM PATIENTS IN THE EMERGENCY DEPARTMENT.**  
*B Atwood, K Nordenholz, J Ryan and K Heard, Denver, CO and Houston, TX. University of Colorado Denver School of Medicine*  
Abstract 85
- 9:45 EFFECTS OF EPIGENETIC MODIFICATIONS WITH A HISTONE DEACETYLASE INHIBITOR ON THE IMMUNE FUNCTION OF HUMAN LYMPHOCYTES.**  
*KM Komatsubara, D Wong, B Comin-Anduix, H Sazegar, J Jalil and A Ribas, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*  
Abstract 86

### ***10:00 - 10:15 Intermission***

- 10:15 TUMOR SUBSITE LOCATION WITHIN THE COLON IS ASSOCIATED WITH SURVIVAL AFTER COLON CANCER DIAGNOSIS.**  
*C Wray, MW Hinojosa, H Le, A Ziogas, MJ Stamos and JA Zell, Pomona and Irvine, CA. Western University (WSMRF)*  
Abstract 87

**10:30 SECOND PRIMARY MALIGNANCIES IN YOUNG WOMEN WITH ENDOMETRIAL CANCER.**

*M Naqvi, D Chase and W Brewster, Irvine, CA. University of California, Irvine*

Abstract 88

**10:45 IN-VITRO COMPARISON OF S-NITROSATED PROTEIN PRODUCTION FROM NITRITE IN SHEEP VS HUMAN BLOOD.**

*K Lawson, A Mittal, GG Power and AB Blood, Loma Linda, CA. Loma Linda University*

Abstract 89

**11:00 SURVIVAL DISPARITIES IN NON-SMALL CELL LUNG CANCER PATIENTS RECEIVING RADIATION TREATMENT: AN INVESTIGATION OF RACE AND GENDER.**

*Y Khanal, J Eaton, J Pakish, P Yen, R Martins, L Carr, K Eaton, T Quang and S Patel, Seattle, WA. University of Washington*

Abstract 90

**11:15 CD30 POSITIVE ANAPLASTIC LARGE CELL LYMPHOMA (ALCL) MIMICKING LANGERHANS CELL HISTIOCYTOSIS (LCH).**

*N Ezra, G Van Dyke and S Binder, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 91

**11:30 FEEDBACK REGULATION OF P53/MICRORNA 34A/BCL6 CIRCUITRY IN B-CELL DIFFERENTIATION.**

*JL Zhao, D Rao and D Baltimore, Los Angeles and Pasadena, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 92

**11:45 ARTIFICIALLY LOW HEMOGLOBULIN A1C MEASUREMENTS IN A MULTI-ETHNIC GROUP OF DIABETICS.**

*J Parker and JA Tayek, Torrance, CA. Harbor-UCLA (WAP)*

Abstract 93

**Metabolism**

Church of the Wayfarer, Carlson Hall

*Stephanie Page, Presiding*

**8:30 COBALT MIMICS HYPOXIA MEDIATED CREB DOWN-REGULATION IN VASCULAR SMOOTH MUSCLE CELLS.**

*M Brar, L Knaub and JE Reusch, Denver and Aurora, CO. Denver Veterans Affairs Medical Center*

Abstract 94

**8:45 ORAL ETHANOL BEFORE SLEEP DELAYS RECOVERY FROM OVERNIGHT HYPOGLYCEMIA IN HEALTHY SUBJECTS.**

*-S Mitchell, M.Eversole, T Hammer and MR Burge, Albuquerque, NM. University of New Mexico*

Abstract 95

**9:00 SITAGLIPTIN EFFECTS ON TRIGLYCERIDE AND FREE FATTY ACID METABOLISM.**

*RH Nelson, JM Miles and A Vella, Rochester, MN. Mayo Clinic*

Abstract 96

**9:15 POSTNATAL OVERGROWTH AND CHANGES IN ADIPOKINES AFTER MATERNAL ZINC DEFICIENCY.**

*M Jou, B Lonnerdal and AF Philipps, Davis, CA. University of California, Davis (WSMRF)*

Abstract 97

**9:30 THE FAVORABLE EFFECT OF ALPHA 1 RECEPTOR BLOCKERS ON LIPID PROFILE IN MEN OLDER THAN 55.**

*J Huang, V Pall, W Gu, R Mallios, G Twitchell, H Ganga and A Cohen, Fresno, CA. VACCHCS*

Abstract 98

**9:45 ADIPOSITY ACCUMULATION IS GREATEST AT YOUNGER AGES IN JAPANESE-AMERICAN ADULTS.**

*CG Lee, WY Fujimoto, JD Brunzell, SE Kahn, MJ McNeely, DL Leonetti and EJ Boyko, Seattle, WA. University of Washington*

Abstract 99

**10:00 - 10:15 Intermission**

*Abst # 104 presenting here*

**10:15 CARVEDILOL VS. METOPROLOL: A COMPARISON OF EFFECTS ON ENDOTHELIAL FUNCTION AND OXIDATIVE STRESS IN RESPONSE TO ACUTE HYPERGLYCEMIA IN PATIENTS WITH TYPE 2 DIABETES AND HYPERTENSION.**

*LE Aguirre, M Burge and K Colleran, Albuquerque, NM. University of New Mexico (WAFMR)*

Abstract 100

**10:30 EARLY ADAPTIVE CHANGES IN INSULIN SENSITIVITY DEPEND UPON INITIAL STATE OF INSULIN SENSITIVITY.**

*RL Adochio, M Moriarty, JW Leitner, K Gray, B Draznin and MA Cornier, Aurora and Denver, CO. University of Colorado Denver (WSCI Travel Award Winner)*

Abstract 101

**10:45 INHIBITION OF EARLY DIFFERENTIATION OF NIH3T3 PREADIPOCYTES BY STEAROYL-COA DESATURASE INHIBITORS.**

*JK Yee, M Patterson, S Lim, C Mao and WP Lee, Torrance and Los Angeles, CA. Los Angeles BioMedical Research Institute at Harbor-UCLA (WSPR)*

Abstract 102

- 11:00** *State-of-the-Art Speaker*  
**INFLAMMATION AND LIPOPROTEINS: HOW AN INNATE IMMUNITY RESPONSE CAN PROMOTE ATHEROSCLEROSIS.**  
 Carl Grunfeld, *University of California, San Francisco*
- 11:30** **POSTPRANDIAL SERUM FRUCTOSE LEVEL IN PATIENTS TESTED FOR DIABETES.**  
 PN Wahjudi, ME Patterson, S Lim, J Yee, CS Mao and W Lee, Torrance, CA. *Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center (WSPR)*  
 Abstract 103  
[Abstract 100 presenting here](#)
- 11:45** **THE EFFECT OF BODY MASS INDEX ON FASTING BLOOD GLUCOSE AFTER INITIATION OF EXTENDED-RELEASE NIACIN IN DYSLIPIDEMIC PATIENTS.**  
 A Seely, J Lopez, J Meier, AL Swislocki and D Siegel, Martinez, CA; Mather, CA and Davis, CA. *VANCHCS*  
 Abstract 104
- Neonatal Pulmonary I**  
 All Saints Church, Sanctuary  
 David Durand and Vinny Bhutani, Presiding
- 8:30** **URINE DESMOSINE EXCRETION IN PRETERM INFANTS WITH LUNG DISEASE.**  
 RL Keller, B Starcher, PL Ballard and RA Ballard, San Francisco, CA and Tyler, TX. *University of California, San Francisco (WSPR Mead Johnson Travel Award Winner) (WSPR)*  
 Abstract 105
- 8:45** **STAT5B PROTEIN ABUNDANCE IS INCREASED IN THE LUNG FOLLOWING PROLONGED MECHANICAL VENTILATION OF PRETERM LAMBS.**  
 MJ Dahl, L Dong, MJ McCoy, DB Metcalfe, RA McKnight, B Yoder, DM Null, RH Lane and KH Albertine, Salt Lake City, UT. *University of Utah (WSPR)*  
 Abstract 106
- 9:00** **MECHANISM OF REDUCED LUNG INJURY BY HIGH FREQUENCY NASAL VENTILATION IN A PRETERM LAMB MODEL OF BRONCHOPULMONARY DYSPLASIA.**  
 J Fong, R Lee, R Sakurai, R Lane, K Albertine, J Torday and V Rehan, Torrance, CA and Salt Lake City, UT. *LA Biomed*  
 Abstract 107
- 9:15** **LARYNGEAL MASK AIRWAY FOR SURFACTANT ADMINISTRATION IN AN ANIMAL MODEL OF RESPIRATORY DISTRESS SYNDROME.**  
 KD Roberts, P Meyers, C Worwa, B Plumm, AL Lampland and MC Mammel, Minneapolis, MN and St Paul, MN. *University of Minnesota*  
 Abstract 108

**9:30 RESPONSE TO INHALED NITRIC OXIDE (INO): FURTHER ANALYSIS OF THE NO CLD TRIAL.**

*RL Keller, E Vittinghoff, L Palermo, RA Ballard, PL Ballard and W Truog, San Francisco, CA and Kansas City, MO. University of California, San Francisco (WSPR)*

Abstract 109

**9:45 - 10:00 Intermission**

**10:00 INTRAUTERINE GROWTH RESTRICTION DECREASES EXPRESSION OF RETINOIC ACID RECEPTORS IN DEVELOPING RAT LUNG.**

*TR Carroll, MA Hale, X Yu, KH Albertine and RH Lane, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 110

**10:15 CHARACTERIZATION OF THE LUNG MESENCHYMAL-SPECIFIC DERMO-1CRE CONDITIONAL PTHRP KNOCK OUT PHENOTYPE.**

*J Torday, W Deng, W Shi, R Lee and V Rehan, Torrance, CA and Los Angeles, CA. Harbor-UCLA Medical Center (WSPR)*

Abstract 111

**10:30 PHYSIOLOGIC VITAMIN D HORMONE  $1\alpha,25(\text{OH})_2\text{D}_3$  HAS SPATIAL AND TEMPORAL-SPECIFIC ACTIONS DURING PERINATAL PULMONARY MATURATION.**

*S Fonseca, R Sakurai, E Shin, J Torday and V Rehan, Torrance, CA. Harbor-UCLA Medical Center (WSPR Subspecialty Award Winner)*

Abstract 112

**10:45 EFFECT OF INHALED NITRIC OXIDE ON PLASMA NITRITE CONCENTRATIONS IN INFANTS WITH PERSISTENT PULMONARY HYPERTENSION.**

*YA Ibrahim, JR Ninnis, AO Hopper, GG Power and AB Blood, Loma Linda, CA. Loma Linda University Medical Center*

Abstract 113

**11:00 PERSISTENT PULMONARY HYPERTENSION IN VERY LOW BIRTH WEIGHT INFANTS: A ROLE FOR INHALED NITRIC OXIDE?**

*A Hopper, J Ninnis, N Mulla, D Deming, M Terry, P Moore and R Peverini, Loma Linda, CA. Loma Linda University Medical Center (WSPR)*

Abstract 114

**11:15 LEPTIN STIMULATES TADPOLE LUNG DEVELOPMENT:IMPLICATIONS FOR UNDERSTANDING EVOLUTION OF VERTEBRATE PHYSIOLOGY.**

*J Torday, K Ihida-Stansbury and V Rehan, Torrance, CA and Philadelphia, PA. Harbor-UCLA (WSPR)*

Abstract 115

**11:30** *State-of-the-Art Speaker*  
**CONGENITAL DIAPHRAGMATIC HERNIA: PREDICTING OUTCOME.**  
Roberta Keller, *University California, San Francisco*

**Neonatology – General I**

All Saints Church, Auditorium

*Rangasamy Ramanathan and Feizal Waffarn, Presiding*

**8:30** *State-of-the-Art Speaker*  
**NON-INVASIVE VENTILATION IN PRETERM INFANTS WITH RDS: IS IT TIME TO ABANDON SURFACTANT?**  
Rangasamy Ramanathan, *University of Southern California*

**9:00** **GROWTH OF CORPUS CALLOSUM IN VERY PRETERM NEONATES WITH AND WITHOUT A HEMODYNAMICALLY SIGNIFICANT PATENT DUCTUS ARTERIOSUS DURING THE FIRST POSTNATAL MONTH.**  
*E Granzow, R Cayabyab, K Barseghyan, L Vachon and I Seri, Los Angeles, CA. Los Angeles County and University of Southern California Medical Center*

Abstract 116

**9:15** **A NEW MOUSE MODEL OF NEONATAL BRAIN INJURY.**  
*Y Knauer, RJ Wong, H Zhao and DK Stevenson, Stanford, CA. Stanford University School of Medicine (WSPR Mead Johnson Travel Award Winner)*

Abstract 117

**9:30** **CEREBRAL REGIONAL OXYGEN SATURATION AND CEREBRAL FRACTIONAL OXYGEN EXTRACTION IN PRETERM INFANTS WITH AND WITHOUT A HEMODYNAMICALLY SIGNIFICANT PATENT DUCTUS ARTERIOSUS DURING THE FIRST FOUR POSTNATAL DAYS.**  
*RG Cayabyab, K Barseghyan, S Sardesai and I Seri, Los Angeles, CA. Los Angeles County and University of Southern California Medical Center (WSPR)*

Abstract 118

**9:45** **BRAIN INJURY AND AMPLITUDE-INTEGRATED ELECTROENCEPHALOGRAPHY IN PRETERM INFANTS.**  
*N Can, HC Glass, SL Bonifacio, D Glidden, J Barkovich and DM Ferriero, Irvine and San Francisco, CA. University of California, Irvine (WSPR Subspecialty Award Winner) (WSMRF)*

Abstract 119

**10:00 - 10:15 Intermission**

**10:15** **DEVELOPMENTAL ASSESSMENT, MAGNETOENCEPHALOGRAPHY (MEG), AND MAGNETIC RESONANCE IMAGING (MRI) IN PRETERM INFANTS: A PILOT STUDY.**  
*JM Rael, J Phillips, J Stephen, S Duvall, J Lowe, A Caprihan and R Ohls, Albuquerque, NM. University of New Mexico (WSPR)*

Abstract 120

**10:30 TIMING OF THE MEDICAL TREATMENT FOR PATENT DUCTUS ARTERIOSUS IN PRETERM INFANTS.**

*C Rau and GM Chan, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 121

**10:45 NITRITE CONCENTRATION IN SALIVA AND DIET OF TERM AND PRETERM INFANTS.**

*J Kanady, Y Ibrahim, AO Hopper, JR Ninnis, GG Power and AB Blood, Loma Linda, CA. Loma Linda University*

Abstract 122

**11:00 EXPERT MODELING IMPROVES ACQUISITION OF TECHNICAL SKILLS IN NEONATAL RESUSCITATION TRAINING.**

*D Leonard, J Warren, T Anderson, K Leaning, J Leflore and J Anderson, Portland, OR and Austin, TX. Oregon Health & Science University*

Abstract 123

**11:15 EXPERT MODELING IMPROVES THE ACQUISITION OF BEHAVIORAL SKILLS IN SIMULATION-BASED TRAINING.**

*D Leonard, L Corbin, K Boyle, K Leaning, J Leflore and J Anderson, Portland, OR; Stanford, CA and Austin, TX. Oregon Health & Science University*

Abstract 124

**11:30 THE EFFECTS OF PRENATAL METHAMPHETAMINE USE ON NEWBORN HEALTH: RESULTS FROM THE INFANT DEVELOPMENT, ENVIRONMENT AND LIFESTYLE (IDEAL) STUDY.**

*R Zabaneh, L Smith, L LaGasse, C Derauf, P Grant, R Shah, A Arria, M Huestis, W Haning, A Strauss, S Della Grotta, J Liu and B Lester, Torrance, CA. Harbor-UCLA Medical Center*

Abstract 125

**11:45 BLADDER PRESSURE MEASUREMENT IN SICK NEONATES.**

*D Gerstmann and DM Null, Salt Lake City, UT. University of Utah (WAFMR)*

Abstract 126

**Neuroscience I**

Sunset Center, Conductor's Room

*Marie-Francoise Chesselet and Edward Wagner, Presiding*

**8:30 ALPHA DEFENSINS AS A POTENTIAL BIOMARKER IN SCHIZOPHRENIC SWEAT.**

*M Johnson, D Ng, M Schaepper and W Kirsch, Loma Linda, CA. Loma Linda University*

Abstract 127

**8:45 PREGNANCY-RELATED REDUCTION IN CONNECTIONS FROM THE CERVIX TO THE HYPOTHALAMIC PARAVENTRICULAR NUCLEUS.**

*LA Grisham, G Rambau, MA Kirby and SM Yellon, Loma Linda, CA. Loma Linda University (WSMRF)*

Abstract 128

**9:00 INTERACTION OF METABOTROPIC GLUTAMATE 1A RECEPTORS (MGLUR1A) WITH MEMBRANE ESTROGEN RECEPTORS(MER) IN HYPOTHALAMIC ASTROCYTES INDUCES THE SYNTHESIS OF PROGESTERONE.**

*OR Hariri, J Kuo, N Hamid, G Bondar and PE Micevych, Pomona, CA and Los Angeles, CA. Western University of Health Sciences (WSMRF)*

Abstract 129

**9:15 ESTROGEN RAPIDLY ATTENUATES GLUTAMATERGIC NEUROTRANSMISSION AT PRO-OPIOMELANOCORTIN SYNAPSES.**

*M Nguyen and E Wagner, Pomona, CA. Western University of Health Sciences - College of Osteopathic Medicine of the Pacific (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 130

**9:30 SEX STEROID HORMONE INFLUENCES ON THE CANNABINOID REGULATION OF ENERGY HOMEOSTASIS.**

*BA Kellert and EJ Wagner, Pomona, CA. Western University of Health Sciences*

Abstract 131

**9:45 LOCATION OF POSTTRANSLATIONALLY MODIFIED P53 IN AXONS AND GROWTHCONES: IMPLICATION FOR A NOVEL FUNCTION?**

*A Noniyev and X Bi, Pomona, CA. College of Osteopathic Medicine, Western University of Health Sciences (WSMRF)*

Abstract 132

***10:00 - 10:15 Intermission***

**10:15 PEDIATRIC PATIENTS WITH POOR NEUROLOGICAL STATUS AND ARTERIOVENOUS MALFORMATION HEMORRHAGE: AN OUTCOME ANALYSIS.**

*T Adirim, A Singhal, D Cochrane and P Steinbok, Toronto, ON, Canada and Vancouver, BC, Canada. University of Toronto (WSMRF)*

Abstract 133

**10:30 NOT SO MILD HEAD INJURY: MR DIFFUSION TENSOR IMAGING IMPLICATES PREFRONTAL INJURY IN EXECUTIVE FUNCTION IMPAIRMENT FOLLOWING VERY MILD TRAUMATIC BRAIN INJURY.**

*E Gulko, M Lipton, M Zimmerman, B Friedman, M Kim, K Shifteh and C Branch, Bronx, and Orangeburg, NY. Albert Einstein College of Medicine (WSMRF)*

Abstract 134

**10:45 EFFECTS OF NICOTINE ON DEFAULT BRAIN MODE FUNCTIONAL CONNECTIVITY.**

*J Martin, L Martin, J Tanabe and J Tregellas, Denver, CO. University of Colorado Denver (WSMRF)*

Abstract 135

**11:00 RARE NERVE LESIONS OF NON-NERVE SHEATH ORIGIN: A 17-YEAR RETROSPECTIVE SERIES.**

*TJ Strom, BK Kleinschmidt-DeMasters, A Donson, NK Foreman and KO Lillehei, Aurora, CO. University of Colorado Health Sciences Center (WAFMR)*

Abstract 136

**11:15 THYROXINE RAPIDLY ACTIVATES NAV1.6 SODIUM CURRENT VIA INTEGRIN ALPHAVBETA3 DURING EMBRYONIC DEVELOPMENT.**

*M Yonkers and A Ribera, Aurora, CO. University of Colorado Denver - VAMC (WSMRF)*

Abstract 137

**11:30 SPINAL CORD ATROPHY AFTER CHRONIC INJURY CORRELATES WITH CLINICAL DEFICITS AND WORSENS OVER TIME.**

*P Javidan, N Yozbatiran, V Le and S Cramer, Irvine, CA. University of California, Irvine*

Abstract 138

**11:45 RELATIONSHIP BETWEEN EXCESSIVE DAYTIME SLEEPINESS AND FATIGUE IN PATIENTS WITH MULTIPLE SCLEROSIS.**

*D Salvatore and K Rammohan, Dayton, Athens, and Columbus, OH. Grandview Hospital and Medical Center*

Abstract 139

**Pulmonary and Critical Care I**

Carmel Women's Club

*Mark M. Wurfel and Michel Boivin, Presiding*

**8:30 YELLOW NAIL SYNDROME FOLLOWING THORACIC SURGERY: A CASE REPORT.**

*DP Banta, N Dandamudi, HJ Parekh and JD Anholm, Loma Linda, CA. Loma Linda University Medical Center (WAFMR)*

Abstract 140

**8:45 COBINAMIDE AND DOS MONITORING-A POTENTIAL NEW TREATMENT APPROACH FOR MASS CASUALTY CYANIDE POISONING.**

*R Ahdout, K Kreuter, D Mukai, J Kim, J Lee, W Blackle, S Mahon, G Boss and M Brenner, Irvine and La Jolla, CA. University of California, Irvine (WAFMR/WSCI Subspecialty Award Winner)*

Abstract 141

**9:00 CONTRIBUTION OF BIRTH ASPHYXIA TO PERINATAL AND CHILD MORTALITY IN RURAL TIBET.**

*J Norris, B Fassl and F Nkoy, Salt Lake City, UT. University of Utah*

Abstract 142

- 9:15 INTERLEUKIN-6 INCREASES INTESTINAL EPITHELIAL TIGHT JUNCTION PERMEABILITY.**  
*SI Battah, MA Boivin and TY Ma, Albuquerque, NM. University of New Mexico*  
 Abstract 143
- 9:30 COMPARISON OF CLASSIFICATION OF COPD IN THE GENETIC EPIDEMIOLOGY OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE STUDY USING GLOBAL INITIATIVE FOR OBSTRUCTIVE LUNG DISEASE AND AMERICAN THORACIC SOCIETY CRITERIA.**  
*R Jensen, H Gallo and R Crapo, Salt Lake City, UT. University of Utah (WAFMR)*  
 Abstract 144
- 9:45 USE OF CUFFED OR UNCUFFED ENDOTRACHEAL TUBES IN PEDIATRIC BURN PATIENTS: A 10-YEAR REVIEW.**  
*DP Dorsey, SM Bowman, MB Klein, D Archer and SR Sharar, Seattle, WA and Little Rock, AR. University of Washington School of Medicine (WSMRF)*  
 Abstract 145

**10:00 - 10:15 Intermission**

- 10:15** *State-of-the-Art Speaker*  
**USING GENETICS TO UNDERSTAND THE RELATIONSHIP BETWEEN INNATE IMMUNE RESPONSES AND OUTCOMES IN CRITICAL ILLNESS.**  
*Mark M. Wurfel, University of Washington*
- 10:45 MESENCHYMAL STEM CELLS ENHANCE BACTERIAL CLEARANCE AND REDUCE MORTALITY AND LUNG INJURY FROM E. COLI PNEUMONIA.**  
*N Gupta and MA Matthay, San Francisco, CA. University of California, San Francisco (WSCI Travel Award Winner)*  
 Abstract 146
- 11:00 DETECTION OF PLEURAL MALIGNANCIES USING GRIN LENS BASED 3D SWEEP SOURCE OPTICAL COHERENCE TOMOGRAPHY.**  
*KA Kreuter, T Xie, S Mahon, D Mukai, G Liu, H Colt and M Brenner, Irvine, CA and Orange, CA. University of California, Irvine*  
 Abstract 147
- 11:15 PRIMARY AORTOBRONCHIAL FISTULA.**  
*DP Banta and P Roos, Loma Linda, CA. Loma Linda University Medical Center (WAFMR)*  
 Abstract 148
- 11:30 FLUCTUATIONS IN BLOOD GLUCOSE LEVELS DURING HYPERBARIC OXYGEN THERAPY.**  
*KJ Swearingin, NC Delamora, P Moore, N Daher, D Sample, P Gold, M Lum and T Lo, Loma Linda, CA. Loma Linda University*  
 Abstract 149

## **Surgery I**

Sunset Center, Green Room

*Erik Skarsgard and John Masterson, Presiding*

**8:30 OP-1 ENHANCES OSTEOGENESIS IN OSTEOPROGENITOR CULTURES CHALLENGED WITH POLYMETHYLMETHACRYLATE PARTICLES.**

*R Chiu, S Kann, T Ma and S Goodman, Stanford, CA. Stanford University School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 150

**8:45 PROLONGING CARDIAC ALLOGRAFT SURVIVAL WITH DONOR MHC I ALPHA-1 HELICAL PEPTIDES.**

*J Nguyen, N Semiletova and J Kupiec-Weglinski, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 151

**9:00 BENEFICIAL EFFECTS OF EXERCISE ON PROGRESSION OF ABDOMINAL AORTIC ANEURYSM.**

*M Hsu, J Azuma, RL Dalman and PS Tsao, Stanford, CA. Stanford University (WSMRF)*

Abstract 152

**9:15 SMALL INTESTINAL LENGTHENING BY MECHANICAL EXPANDER IN RATS WITH SHORT BOWEL.**

*A Scott, S Shekherdimian and J Dunn, Los Angeles, CA. David Geffen School of Medicine (WSMRF)*

Abstract 153

**9:30 POLYMETHYLMETHACRYLATE PARTICLE-INDUCED SUPPRESSION OF OSTEOPROGENITOR DIFFERENTIATION INVOLVES IMPAIRMENT OF OSTEOPROGENITOR VIABILITY BY NECROSIS.**

*R Chiu, RL Smith and S Goodman, Stanford, CA. Stanford University School of Medicine (WSMRF)*

Abstract 154

**9:45 ARTHRODESIS OF THE FIRST METATARSOPHALANGEAL JOINT: A ROBOTIC CADAVERIC STUDY OF DORSIFLEXION ANGLE.**

*AF Bayomy, PM Aubin, BJ Sangeorzan and WR Ledoux, Seattle, WA. VA Puget Sound (WSMRF)*

Abstract 155

*10:00 - 10:15 Intermission*

**10:15 VENTRICULOPERITONEAL SHUNTS AFTER PREVIOUS ENDOSCOPIC THIRD VENTRICULOSTOMY: DOES ETV IMPROVE SHUNT SURVIVAL?**

*T Liu, A Singhal, D Cochrane and P Steinbok, Vancouver, BC, Canada. British Columbia Children's Hospital*

Abstract 156

- 10:30** *State-of-the-Art Speaker*  
**TURN LEFT AT THE PANCREAS: A ROADMAP TO A CAREER IN ACADEMIC SURGERY.**  
Erik D. Skarsgard, *University of British Columbia*
- 11:00** **COMPARISON OF FLUID WEIGHT GAIN AFTER SHOULDER ARTHROSCOPY USING FENESTRATED OUTFLOW CANNULAE VERSUS CONVENTIONAL ARTHROSCOPIC CANNULAE.**  
SB Gillham, H Syed, CM Jobe, W Phipatanakul and MD Wongworawat, Loma Linda, CA. *Loma Linda University (WSMRF)*  
Abstract 157
- 11:15** **BIOMECHANICAL EFFECT OF PDGF COATED SUTURES IN A CHRONIC INJURY MODEL.**  
JH Lee, K Otarodifard, M McGarry, C Uggen and T Lee, Irvine, CA and Long Beach, CA. *University of California, Irvine (WSMRF)*  
Abstract 158
- 11:30** **OCULAR COMPLICATIONS FOLLOWING MINIMALLY INVASIVE UROLOGIC SURGERY.**  
JL Koning, L Nicolay, JP Heldt, W Millard, F Jellison, K Ebrahimi, J Dunbar and DD Baldwin, Loma Linda, CA. *Loma Linda University Medical Center*  
Abstract 159
- 11:45** **EVALUATING OUTCOMES OF CRANIAL VAULT REMODELING SURGERY FOR CRANIOSYNOSTOSIS: USING 3D PHOTOGRAMMETRY FOR QUANTITATIVE ANALYSIS.**  
N Jourabchi and J Bradley, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)*  
Abstract 160

**STUDENT SCIENTIFIC SESSION I**

**Community Health Project**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*LaPlaya Hotel – Carmel*

**8:30 AM – 11:30 AM**  
**Friday, January 30, 2009**

*Tom Norris and Aaron Kusano, Presiding*

- 8:30 DECREASING INTIMATE PARTNER VIOLENCE IN ALASKA'S KENAI PENINSULA THROUGH AWARENESS AND RESOURCE EDUCATION.**  
*K Eastman, Seattle, WA. University of Washington*  
Abstract 161
- 8:45 HEPATITIS B PROVIDER PROTOCOLS AND PATIENT EDUCATION.**  
*ED Prince, Seattle, WA. University of Washington School of Medicine*  
Abstract 162
- 9:00 A COLLABORATIVE COMMUNITY HEALTH PROJECT AIMED AT REDUCING THE PREVALENCE OF DENTAL DISEASE.**  
*F Petigara, C Huang, D Fang, S Finke, J Lubin, M Yan, N Alexander, D El-Zammar, S Hendry, J Kangura, A Lam, A Mills, C Wallis and V Kapoor, Vancouver, BC, Canada. University of British Columbia*  
Abstract 163
- 9:15 COMMUNITY BUY-IN TO GLOBAL DENTAL HEALTH VOLUNTEER FIELD TRIPS.**  
*R Isaacs, E Wu, P Tabarsi and AJ Macnab, Vancouver, BC, Canada. University of British Columbia*  
Abstract 164
- 9:30 IMPROVING AVAILABILITY OF HEALTH CARE TO WORKERS ABOARD FISHING VESSELS BY PROMOTING A BOAT VISIT PROGRAM.**  
*T Kelly, Seattle, WA. University of Washington*  
Abstract 165
- 9:45 REDUCING POSTPARTUM DEPRESSION RISK IN LATINA WOMEN WITH ANTEPARTUM INTERVENTION.**  
*N Fox, Seattle, WA. University of Washington School of Medicine*  
Abstract 166

**10:00 - 10:15 Intermission**

- 10:15 NOSOCOMIAL INFECTION PREVENTION IN CUSCO, PERU.**  
*A Carrasco, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 167
- 10:30 DIABETES PREVENTION AND HEART HEALTH EDUCATION FOR CHILDREN OF THE YAKAMA INDIAN RESERVATION.**  
*AS Hecht, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 168
- 10:45 THE RUPERT FREE HEALTH CLINIC: A COLLABORATION BETWEEN PHYSICIANS AND THE COMMUNITY.**  
*TJ Ulrich, Seattle, WA. University of Washington School of Medicine*  
Abstract 169
- 11:00 SKIN CANCER SELF-SCREENING AND PREVENTION IN THE COLUMBIA GORGE.**  
*JR Stevens, Seattle, WA. University of Washington*  
Abstract 170
- 11:15 DIABETES EDUCATION AND MANAGEMENT IN THE POLYNESIAN COMMUNITY OF ANCHORAGE, ALASKA.**  
*T Griffin, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 171
- 11:30 NEIGHBORHOOD WALKING GROUP PARTICIPANTS AND THEIR WALKING BEHAVIOR IN AN URBAN, LOW-INCOME LATINO COMMUNITY IN LOS ANGELES, CA.**  
*MD Sangalang, G Lopez, V Camacho and M Rodriguez, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 172

## STUDENT SCIENTIFIC SESSION II

### Surgery

## WESTERN STUDENT MEDICAL RESEARCH FORUM

*Sunset Center – Chapman #4*

**8:30 AM – 12:00 PM**  
**Friday, January 30, 2009**

*Sergio Huerta and Angela Kloepfer, Presiding*

**8:30 EVALUATION OF THE LEARNING CURVE OF THE REVERSE TOTAL**

**SHOULDER: A RETROSPECTIVE REVIEW.**

*ME Mildren, B Riedel, MD Wongworawat, C Jobe and W Phipatanakul, Loma Linda, CA. Loma Linda University*

Abstract 173

**8:45 MIDFACE RECONSTRUCTION WITH A SINGLE LATISSIMUS DORSI/SERRATUS ANTERIOR-RIB/SCAPULA OSTEOMYOCUTANEOUS MEGA FLAP.**

*M de Sa, D Kwon, P Kim, C Stewart and T Stewart, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 174

**9:00 THE EFFECT OF LOW-DOSE RADIATION CT PROTOCOLS UPON URETERAL STONE DETECTION.**

*JL Koning, F Jellison, J Smith, J Heldt, N Spengler, L Nicolay, W Millard, H Saaty, H Ruckle and DD Baldwin, Loma Linda, CA. Loma Linda University Medical Center*

Abstract 175

**9:15 AESTHETIC MICROVASCULAR RECONSTRUCTION OF THE LOWER EXTREMITY: AN ALGORITHM PRIORITIZING DONOR SITE APPEARANCE AND FUNCTION.**

*G Arutyunyan, M Martin and L Yeung, Loma Linda, CA. Loma Linda University*

Abstract 176

**9:30 GIANT OSTEOMA OF THE MANDIBLE CAUSING CEREBROVASCULAR ACCIDENTS.**

*D Kwon, M de Sa and P Kim, Loma Linda, CA. Loma Linda University (WSMRF)*

Abstract 177

**9:45 BASAL COMPONENT OF DISTORTION PRODUCT OTOACOUSTIC EMISSIONS REVEALED USING THREE DIFFERENT EMISSION PROPERTIES.**

*B Lee, Loma Linda, CA. Loma Linda University, School of Medicine (WSMRF)*

Abstract 178

***10:00 - 10:15 Intermission***

**10:15 COMPARISON OF DPOAE ONSET TO ABR FIRST WAVE LATENCIES SUPPORTS COMPRESSION WAVE HYPOTHESIS FOR DPOAE REVERSE PROPAGATION.**

*JB Gleason, BB Stagner, GK Martin and B Cone-Wesson, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 179

**10:30 COMPARISON OF THE RADIAL FOREARM FLAP VS. ANTEROLATERAL THIGH FLAP IN PHARYNGOESOPHAGEAL RECONSTRUCTION.**

*M de Sa, D Kwon, P Kim, C Stewart and T Stewart, Loma Linda, CA. Loma Linda University School of Medicine*

Abstract 180

**10:45 ABERRANT SKIN PERFORATORS IN OSTEOCUTANEOUS FIBULAR FREE FLAPS.**

*D Kwon, M de Sa and P Kim, Loma Linda, CA. Loma Linda University (WSMRF)*

Abstract 181

**11:00 THE HEMOSTATIC SANDWICH: A TAMPONADE METHOD FOR CONTROLLING SEVERE BLEEDING IN PERCUTANEOUS KIDNEY STONE SURGERY.**

*WW Millard, FC Jellison, CF Tenggardjaja, LI Nicolay and DD Baldwin, Loma Linda, CA. Loma Linda University (WSMRF)*

Abstract 182

**11:15 OUTCOMES OF RECTOVAGINAL FISTULA SURGERY: RECTOVAGINAL FISTULA PLUG VERSUS FLAP ADVANCEMENT.**

*W Chung, D Ko, C Sun and T Phang, Vancouver, BC, Canada. University of British Columbia School of Medicine (WSMRF)*

Abstract 183

**11:30 RADIOSURGERY INDUCED MALIGNANT JUGULAR FORAMEN SHCWANNOMA.**

*A Tu and R Akagami, Vancouver, BC, Canada. University of British Columbia*

Abstract 184

**11:45 DEVELOPMENT OF LENTIVIRAL VECTORS FOR EX VIVO REGIONAL GENE THERAPY FOR SPINAL FUSION.**

*PS Ge, BJ Van Handel, HK Mikkola and JC Wang, Los Angeles and Santa Monica, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 185

**STUDENT SCIENTIFIC SESSION III**

**Community Health Project**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*LaPlaya Hotel – Poseiden Room*

**8:30 AM – 12:00 PM**

**Friday, January 30, 2009**

*Laurel Desnick and Hillary Davis , Presiding*

**8:30 PARENTAL EDUCATION ON ALTERNATIVE FLUORIDE SOURCES FOR PREVENTION OF DENTAL CARIES WITHIN CHILDREN RESIDING IN**

**JUNEAU, ALASKA.**

*ES Spencer, Seattle, WA. University of Washington School of Medicine*

Abstract 186

**8:45 COMMUNITY HEALTH ROUNDUP: A LOOK AT WEIGHT LOSS SOLUTIONS IN DILLON, MT.**

*M Turner, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 187

**9:00 REDUCING CHILD OBESITY THROUGH EDUCATION OF PRIMARY CARE PROVIDERS IN OTHELLO, WASHINGTON.**

*AK Farrar, Seattle, WA. University of Washington School of Medicine*

Abstract 188

**9:15 ENCOURAGING AN ACTIVE LIFESTYLE IN KIDS: THE "FITNESS FUN" ACTIVITIES PACKET.**

*J Cunningham, Seattle, WA. University of Washington School of Medicine*

Abstract 189

**9:30 AUTOMATED EXTERNAL DEFIBRILLATOR AWARENESS AT THE SWINOMISH INDIAN TRIBAL COMMUNITY.**

*KD George, Seattle, WA. University of Washington (WSMRF)*

Abstract 190

**9:45 INTERNATIONAL MEDICAL VOLUNTEER WORK: IMPROVING AWARENESS AND SUSTAINABILITY.**

*J Grenoble and T Ning, Denver, CO. University of Colorado School of Medicine*

Abstract 191

***10:00 - 10:15 Intermission***

**10:15 INCREASING DIABETES AWARENESS AND GLYCEMIC CONTROL THROUGH SELF-MANAGEMENT NUTRITION EDUCATION IN CHEWELAH, WA.**

*MA Edmunds, Seattle, WA. University of Washington (WSMRF)*

Abstract 192

**10:30 IMPROVING TREATMENT CONTINUITY FOR PEDIATRIC IRON DEFICIENCY ANEMIA IN JUNEAU, ALASKA.**

*EB Ashbaugh, Seattle, WA. University of Washington School of Medicine*

Abstract 193

**10:45 ALL TERRAIN VEHICLE SAFETY EDUCATION IN DILLON, MONTANA.**

*A Bateman, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 194

**CANCELLED**

**11:00 SPEAKING UP ABOUT HEARING PROTECTION IN AN AGRICULTURAL COMMUNITY.**

*E Verzemnieks, Seattle, WA. University of Washington School of Medicine*

Abstract 195

**11:15 GLOBAL HEALTH EXPERIENCE IN UGANDA: A UNIQUE PLATFORM FOR ENTERING DENTAL SCHOOL.**

*D Ross, W Cannon, AJ Macnab and A Kasangaki, Vancouver, BC, Canada and Kampala, Uganda. University of British Columbia (WSMRF)*

Abstract 196

**11:30 PREVENTING AGRICULTURE-ASSOCIATED CHRONIC OBSTRUCTIVE PULMONARY DISEASE THROUGH EDUCATION IN BAKER, MONTANA.**

*AJ Torvie, Seattle, WA. University of Washington School of Medicine*

Abstract 197

**STUDENT SCIENTIFIC SESSION IV**

**Genetics & Development**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*Sunset Center – Carpenter Hall*

**8:30 AM – 12:00 PM**

**Friday, January 30, 2009**

*Susan G. Marshall and Jonathan Kurche , Presiding*

**8:30 MATERNAL LOW PROTEIN DIET: EFFECT ON FETAL CARDIAC AT1 AND AT2 RECEPTORS AND DEVELOPMENT OF HYPERTENSION.**

*A Galffy, R Goyal, A Mittal, A Leitzke, E Jang and LD Longo, Loma Linda, CA. Loma Linda University*

Abstract 198

**8:45 CHARACTERIZATION OF A NOGO-ASSOCIATED ENHANCER.**

*S Magaki, S Caltharp, D Westervelt, C Pira, LF Greer and KC Oberg, Loma Linda, CA and Riverside, CA. Loma Linda University (WSMRF)*

Abstract 199

**9:00 INTRAUTERINE GROWTH OF INFANTS EXPOSED TO PRENATAL METHAMPHETAMINE: RESULTS FROM THE INFANT DEVELOPMENT, ENVIRONMENT AND LIFESTYLE (IDEAL) STUDY.**

*D Nguyen, L Smith, L LaGasse, C Derauf, P Grant, R Shah, A Arria, M Huestis, W Haning, A Strauss, S Della Grotta, J Liu and B Lester, Torrance, CA. Harbor-UCLA Medical Center (WSMRF)*

Abstract 200

- 9:15 CONCENTRATION OF S100B IN CSF IN INFANTS WITH POST-HEMORRHAGIC VENTRICULAR DILATATION.**  
*D Shenefelt and JC Beachy, Salt Lake City, UT. University of Utah*  
 Abstract 201
- 9:30 ROLE OF CHROMATIN IN COPPER HOMEOSTASIS IN YEAST.**  
*S Engler, C Rall, Q Childress and JE Krebs, Seattle, WA and Anchorage, AK. University of Washington School of Medicine (WSMRF)*  
 Abstract 202
- 9:45 FETAL ALCOHOL SYNDROME PHENOCOPIES SPONDYLOCARPOTARSAL SYNOSTOSIS SYNDROME.**  
*J Wall, R Rupps, D Krakow, N Puvanachandra, J Gardiner and C Boerkoel, Vancouver, BC, Canada and Los Angeles, CA. University of British Columbia*  
 Abstract 203
- 10:00 - 10:15 Intermission**
- 10:15 MICRODELETION OF CHROMOSOME 15Q26.2 IN A MALE: CASE REPORT.**  
*LK Hackett and L Bird, La Jolla, CA. University of California, San Diego*  
 Abstract 204
- 10:30 ASSESSMENT OF AUTONOMIC DAMAGE IN DIABETICS USING AN ISOMETRIC HANDGRIP TEST.**  
*M Sirichotiratana, J Petrofsky and M Prowse, Loma Linda, CA. Loma Linda University (WAFMR/WSCI Subspecialty Award Winner)*  
 Abstract 205
- 10:45 EFFECTS OF KL4-PEPTIDE SYNTHETIC SURFACTANT (LUCINACTANT) ADMINISTRATION ON CEREBRAL BLOOD FLOW IN PREMATURE LAMBS.**  
*B Harding, TA Merritt, M Terry, J Merrill-Henry, H Schroeder, G Power and AB Blood, Loma Linda, CA. Loma Linda University*  
 Abstract 206
- 11:00 POSSIBLE ROLE OF THE 2ND TO 4TH DIGIT RATIO AS A MARKER FOR THE DEVELOPMENT AND SEVERITY OF TYPE 2 DIABETES.**  
*S Badheka, J Martin and J Zweig, Pomona, CA and Long Beach, CA. College of Osteopathic Medicine, Western University (WSMRF)*  
 Abstract 207
- 11:15 THE EFFECT OF NUCLEUS PULPOSUS REMOVAL ON CARTILAGE DEVELOPMENT IN MOUSE LUMBAR VERTEBRAL GROWTH PLATE.**  
*U Goyal, E Mahoney, C Dahia, A Durrani and C Wylie, Tucson, AZ and Cincinnati, OH. University of Arizona College of Medicine (WAFMR)*  
 Abstract 208
- 11:30 COMPARISON OF APOLIPOPROTEIN E4 GENOTYPING BY SINGLE NUCLEOTIDE POLYMORPHISM GENOTYPING WITH RESTRICTION**

**ENZYME DIGESTS IN ASSESSING ASSOCIATION WITH HIV-DEMENTIA.**  
*N Villanueva, A Marshall, M Agsalda, D Troelstrup and B Shiramizu, Honolulu, HI.*  
*University of Hawaii*

Abstract 209

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**NEW INVESTIGATOR WORKSHOPS**

**12:15 PM – 1:15 PM**  
**Friday, January 30, 2009**

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*

**KEYS TO WRITING SUCCESSFUL GRANTS**

Margaret E. Wierman, *University of Colorado Denver*

*Sunset Center – Chapman #4*

**MANUSCRIPT WRITING 101**

Bradley Anawalt, *University of Washington*

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**CALIFORNIA THORACIC SOCIETY – SESSION I**

*Carmel Women's Club*

**1:30 PM – 5:00 PM**  
**Friday, January 30, 2009**

**MANAGING SEPTIC SHOCK**

*Russell C. Klein, Planning Chair*

**1:30 FELLOW CASE PRESENTATION**

Michael Schivo, *University of California, Davis*

**2:00 FACULTY EXPERT**

Timothy E. Albertson, *University of California, Davis*

**CARDIOPULMONARY EXERCISE TESTING IN LUNG AND HEART DISEASES**

**2:45 FELLOW CASE PRESENTATION**

Samerjit Singh, *Harbor UCLA Medical Center*

**3:15 FACULTY EXPERT**

Darryl Y. Sue, *Harbor-UCLA Medical Center and University of California, Los Angeles*

**4:00 BREAK**

**4:15 MANAGING DYSPNEA IN LUNG DISEASES**

Virginia Carrieri-Kohlman, *University of California, San Francisco*

**CONCURRENT SESSIONS**

**AND**

**STUDENT SCIENTIFIC SESSIONS**

**Friday, January 30, 2009**

**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 I.....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 V, VI, VII, VIII and IX**

**1:30 PM – 5:00 PM**

**STUDENT SCIENTIFIC SESSION V.....LaPlaya – Carmel Room  
STUDENT SCIENTIFIC SESSION VI.....LaPlaya – Poseiden Room  
STUDENT SCIENTIFIC SESSION VII.....Sunset Center – Bingham #3  
STUDENT SCIENTIFIC SESSION VIII                      Carlson Hall – Church of the Wayfarer  
STUDENT SCIENTIFIC SESSION IX.....Sunset Center – Chapman #4**

**Adolescent Medicine and General Pediatrics**  
Sunset Center, Carpenter Hall  
*Loris Y. Hwang and Leslie Walker, Presiding*

**1:30**

*State-of-the-Art Speaker*  
**CERVICAL MATURATION, MUCOSAL IMMUNITY, AND SEXUALLY  
TRANSMITTED INFECTIONS.**  
*Loris Y. Hwang, University of California, San Francisco*

- 2:00 AGE ADJUSTMENT: A POOR STRATEGY FOR PREDICTING OUTCOME IN CHILDREN BORN PREMATURELY.**  
*KS Raj, TL Sutcliffe, AM Debattista, C Goldfarb-Greenwood and LC Huffman, Palo Alto, CA. Stanford University School of Medicine*  
Abstract 210
- 2:15 NORMATIVE POPULATION DATA FOR ANOGENITAL DISTANCE IN NEWBORN INFANTS.**  
*L Beard, R Grady and S Sathyanarayana, Seattle, WA. University of Washington (WSMRF)*  
Abstract 211
- 2:30 INTERNUCLEAR OPHTHALMOPLEGIA AS A PRESENTATION OF MULTIPLE SCLEROSIS IN A PRE-PUBESCENT FEMALE.**  
*KD Dixon and KA Molas-Torreblanca, Las Vegas, NV. University of Nevada, Las Vegas (WSMRF)*  
Abstract 212
- 2:45 HAIR GROOMING SYNCOPE IN A LARGE COHORT OF CHILDREN AND ADOLESCENTS.**  
*WN Evans, RJ Acherman, KT Kip and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada, University of Nevada, School of Medicine (WSPR)*  
Abstract 213
- 3:00 FEASABILITY OF A WALKING SCHOOL BUS PROGRAM TO PREVENT OBESITY IN HISPANIC ELEMENTARY SCHOOL CHILDREN.**  
*C Conklin, N Burks, C Roldan and A Kong, Albuquerque, NM. University of New Mexico School of Medicine (WSPR Subspecialty Award Winner)*  
Abstract 214
- 3:15 - 3:30 Intermission**
- 3:30 A CURRICULUM IN CHILDHOOD AND ADOLESCENT OBESITY FOR PEDIATRIC HOUSE STAFF: A PILOT PROJECT.**  
*U Shaikh and D Styne, Sacramento, CA. University of California Davis School of Medicine (WSPR Mead Johnson Travel Award Winner)*  
Abstract 215
- 3:45 DOUBLE PORTION: AN ATYPICAL PRESENTATION OF AN MDA IN AN ADOLESCENT FEMALE.**  
*O Ekeh and C Barangan, Las Vegas, NV. University of Nevada School of Medicine*  
Abstract 216
- 4:00 RISK FACTORS FOR THE FEMALE ATHLETE TRIAD IN ELITE SWIMMERS.**  
*KA Bell, R Peebles, M Jacobson and L Bachrach, Mountain View and Stanford, CA. Stanford University (WSMRF)*  
Abstract 217

## Cardiovascular II

Pine Inn, Il Forniao – Ocean Room

*Brian L. Stauffer, Presiding*

**1:30 ADDING HEAT STRESS TO TREADMILL EXERCISE TESTING: THE LONG AND SHORT OF IT.**

*LW Raymond, TA Barringer and TH Blackwell, Charlotte and Chapel Hill, NC. University of North Carolina, Chapel Hill*

Abstract 218

**1:45 ABNORMAL OXYGEN-PULSE KINETICS MEASURED BY CARDIOPULMONARY EXERCISE STRESS TESTING CORRELATE WITH ECHOCARDIOGRAPHIC EVIDENCE FOR LEFT VENTRICULAR DIASTOLIC DYSFUNCTION.**

*T Pinkert, N Shikuma, G Nielsen, K Cappagli, L Becker, J Eaton, D Ast, J Groom, S Gingrich, J Dawson and J Lucas, Kamuela, HI. North Hawaii Community Hospital (WAFMR)*

Abstract 219

**2:00** *State-of-the-Art Speaker*

**EXERCISE, ESTROGEN AND VASCULAR FUNCTION.**

*Brian L. Stauffer, University of Colorado Health Science Center*

**2:30 OBESITY AND CARDIAC ALLOGRAFT VASCULOPATHY AFTER HEART TRANSPLANTATION.**

*S Carr, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 220

**2:45 THE PREDICTIVE VALUE OF CARDIOPULMONARY STRESS TESTING AFTER HEART TRANSPLANTATION.**

*K Lo, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Outstanding Resident Award Winner)*

Abstract 221

**3:00 RIGHT VENTRICULAR DYSFUNCTION IN HEART TRANSPLANT RECIPIENTS.**

*N Moradzadeh, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 222

**3:15 A NON-INVASIVE MEANS TO DETECT RISK FOR REJECTION AND INFECTION IN HEART TRANSPLANT PATIENTS IN A LARGE COHORT OF PATIENTS.**

*K Kiyosaki, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 223

- 3:30 THE OUTCOME OF HEART TRANSPLANT PATIENTS WITH POSITIVE DONOR SPECIFIC CROSSMATCH.**  
*M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 224
- 3:45 CARDIAC ALLOGRAFT SIZING IN HEART TRANSPLANT CANDIDATES WITH PULMONARY HYPERTENSION.**  
*A Ankrom, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 225
- 4:00 THE OUTCOME OF RENAL SPARING PROTOCOLS AFTER HEART TRANSPLANTATION.**  
*S Sohrabian, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 226
- 4:15 FIRST YEAR HEART RATE AND OUTCOME AFTER HEART TRANSPLANTATION.**  
*B Arbit, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 227
- 4:30 THE VALUE OF SOCIAL WORKER AND PSYCHIATRIC PRE-HEART TRANSPLANT EVALUATION.**  
*S Wong, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 228
- 4:45 THE VALUE OF SURVEILLANCE CARDIAC CATHETERIZATION FOLLOWING TOTAL CAVO-PULMONARY CONNECTION PROCEDURES.**  
*KT Kip, WN Evans, A Rothman, A Galindo, CM Zeidenweber, JC Collazos and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada, University of Nevada, School of Medicine (WSCI Travel Award Winner) (WSPR)*  
Abstract 229

**Gastroenterology and Hepatology**

Sunset Center, Green Room

*Thomas Ma and Hamid Said, Presiding*

- 1:30 THE REGULATION OF HEME TRANSPORT IN THE LIVER AND DUODENUM.**  
*E Broussard, Z Yang and JL Abkowitz, Seattle, WA. University of Washington (WSCI Travel Award Winner)*  
Abstract 230
- 1:45 MECHANICAL VENTILATION OF PRETERM LAMBS FOR 3-4 WEEKS IS**

**ASSOCIATED WITH NECROTIZING ENTEROCHOLITIS.**

*WL Leavitt, A Smith, C Blair, A Wint, J Alvord, L Dong, MJ Dahl, L Joss-Moore, L Moyer-Mileur, DM Null, BA Yoder, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 231

**2:00 REMOVABLE FULLY COVERED BILIARY METAL STENTS IN BENIGN BILIARY DISEASE.**

*DM Varela, S Reicher, B Pham, D Chung and V Eysselein, Torrance, CA. Harbor-UCLA Medical Center*

Abstract 232

**2:15 RISK FOR RECURRENT HEPATITIS B IN LIVER TRANSPLANT RECIPIENTS.**

*KT Nguyen, M Yeganeh and S Saab, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 233

**2:30**

*State-of-the-Art Speaker*

**RECENT ADVANCES IN THE RENAL-SKELETAL-GUT-AXIS THAT CONTROL PHOSPHATE HOMEOSTASIS IN HEALTH AND DISEASE STATE.**  
*Fayez Ghishan, University of Arizona.*

**3:15 - 3:30 Intermission**

**3:30 ANORECTAL ULCERATIONS: A RARE PRESENTATION OF MILIARY TUBERCULOSIS.**

*NB Vachhani and WS Ho, Albuquerque, NM. University of New Mexico Health Sciences Center*

Abstract 234

**3:45 YIELD OF ENDOSCOPIC ULTRASOUND-GUIDED FINE-NEEDLE ASPIRATION IN PATIENTS PRESENTING WITH PANCREATIC ABNORMALITIES.**

*N Amiri, P Kazemi, B Segal, E Lam and R Enns, Vancouver, BC, Canada. University of British Columbia*

Abstract 235

**4:00 ATYPICAL CELLS ON EUS-GUIDED PANCREATIC FNA: LONG-TERM OUTCOME. JOHN CHEN, SONYA REICHER, DAVID CHUNG, BINH V. PHAM, AND VIKTOR E. EYSSELEIN. HARBOR UCLA MEDICAL CENTER AND TORRANCE MEDICAL CENTER, TORRANCE CALIFORNIA.**

*S Reicher, J Chen, D Chung, B Pham and VE Eysselein, Torrance, CA. Harbor-UCLA*

Abstract 236

**4:15 EFFECTIVENESS OF FERIDEX MRI CONTRAST AGENT FOR MRI OF THE LIVER AND DIAGNOSING LIVER LESIONS.**

*M Kovshilovsky, AA Afari, V Sai, D Lu and DJ Margolis, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 237

**4:30 A NOVEL DYNAMIC STOMACH DIGESTION MODEL REVEALS BIOACTIVE TGF $\beta$  IN INFANT FORMULA TO SURVIVE DIGESTION.**

*EA van Tol, Z Jouni, MS Wickham, RM Faulks and M Denichilo, Nijmegen, Netherlands; Norwich, United Kingdom and Thebarton, SA, Australia. Mead Johnson Nutritionals*

Abstract 238

**4:45 HUMAN MILK AND SOME INFANT FORMULA EXHIBIT TRANSFORMING GROWTH-FACTOR BETA RELATED ACTIVITY IN THE HT-2 CELLS.**

*ZE Jouni, RJ McMahon, AL Morrow and FJ Rosales, Evansville, IN and Cincinnati, OH. Mead Johnson Nutritionals*

Abstract 239

**Health Care Research II**

Sunset Center, Promenade Lobby

?????, *Presiding*

**1:30 PREDICTORS OF STIGMA & DISCLOSURE AMONG PATIENTS INITIATING ANTIRETROVIRAL THERAPY IN RURAL RWANDA.**

*K Walker, M Franke, M Rich, A Socci, A Patel, M Hakizamungu, F Kaigamba, E Bagiruwigize and G John-Stewart, Seattle, WA; Rwinkwavu, Rwanda; Boston, MA and Ruhengeri, Rwanda. University of Washington School of Medicine (WSMRF)*

Abstract 240

**1:45 BARRIERS TO EFFECTIVE IMPLEMENTATION OF IMMUNIZATION INFORMATION SYSTEMS IN A PRIVATE PROVIDER SETTING.**

*I Jack, EE Ezeanolue, W Downey, B Hart and U Farmanali, Las Vegas, NV. University of Nevada School of Medicine (WSPR)*

Abstract 241

**2:00 EFFECTIVENESS OF IMMUNIZATION REMINDER/RECALL PROGRAM IN A HIGHLY TRANSIENT COMMUNITY.**

*I Jack, EE Ezeanolue, L Shah, K Larsen, C Cross and B Neyland, Las Vegas, NV. University of Nevada School of Medicine (WSPR)*

Abstract 242

**2:15 ALCOHOL CONSUMPTION MAY BE RESPONSIBLE FOR RESIDUAL EXCESSIVE DAYTIME SLEEPINESS IN TREATED SLEEP APNEA PATIENTS.**

*R Shrivastava, S Grewal, R Khan and S Kapre, French Camp, CA. San Joaquin General Hospital (WAFMR)*

Abstract 243

**2:30 PROSTATE CANCER INFORMATION.**

*R Yousefi, Surrey, BC, Canada. Fraser Valley BC Cancer Agency*

Abstract 244

- 2:45 TO LIE OR NOT TO LIE: RESIDENT PHYSICIAN ATTITUDES ABOUT THE USE OF DECEPTION IN CLINICAL PRACTICE.**  
*J Everett, C Walters, D Stottlemeyer, C Knight, A Oppenberg and R Orr, Loma Linda and Glendale, CA and Burlington, VT. Loma Linda University*  
Abstract 245
- 3:00 ORAL HEALTH TRENDS AMONG PRIMARY SCHOOL CHILDREN IN RURAL UGANDA.**  
*YS Park, G Dhaliwal, B Abbott, A Kasangaki, F Gagnon, A Macnab and RM Hurley, Vancouver, BC, Canada and Kampala, Uganda. University of British Columbia (WSMRF)*  
Abstract 246
- 3:15 - 3:30 Intermission**
- 3:30 MEDICAL SCREENING EXAM STUDY: AN OPPORTUNITY TO MEASURE HEALTH OUTCOMES AND PATIENT SATISFACTION.**  
*S Adams and M Valley, Denver, CO. University of Colorado Denver (WSMRF)*  
Abstract 247
- 3:45 MONTANA PRIMARY CARE PHYSICIAN WORKFORCE STUDY.**  
*A Stenseth, L Hyman, J Erickson and T Norris, Seattle, WA. University of Washington School Of Medicine (WSMRF)*  
Abstract 248
- 4:00 SEEKING BEHAVIORS, HEALTH SERVICES UTILIZATION, AND RECEIPT OF COUNSELING BY CLINICIANS AMONG LATINO PATIENTS IN PUBLIC SECTOR CLINICS.**  
*HR Abejuela, S Bazargan-Hejazi, T Kuo and KE Wolf, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*  
Abstract 249
- 4:15 DEVELOPMENT OF A METHOD FOR ASSESSING STRENGTH IN THE EXTENSOR DIGITORUM BREVIS MUSCLE.**  
*M Sirichotiratana, J Petrofsky and L Berk, Loma Linda, CA. Loma Linda University*  
Abstract 250
- 4:30 CORRECTING MISCODED MORTALITY DATA: HEART FAILURE AS A CASE STUDY.**  
*RM Ahern, M Naghavi, E Gakidou, R Lozano and C Murray, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 251

## Immunology and Rheumatology I

Sunset Center, Studio 105

*Susan Boackle and Julia Rhiannon, Presiding*

- 1:30** *State-of-the-Art Speaker*  
**PRE-CLINICAL IDENTIFICATION OF AUTOIMMUNE DISEASE.**  
Kevin Deane, *University of Colorado Denver School of Medicine*
- 2:00** **HUMAN TRANSITIONAL B CELLS IN ADULT AND FETAL SPLEEN.**  
*L Tatosyan, A Benitez, I Baez, S Lee, K Colburn and KJ Payne, Loma Linda, CA. Loma Linda University Medical Center*  
Abstract 252
- 2:15** **RAS EXPRESSION IN LUPUS LYMPHOCYTES.**  
*I Moldovan, L Green and K Colburn, Loma Linda, CA. Loma Linda University (WSCI Travel Award Winner)*  
Abstract 253
- 2:30** **MECHANISM OF CELLULAR PENETRATION OF THE ANTI-GUANOSINE ANTIBODY 4H2.**  
*B Andersen, K Colburn, R Weisbart, B Bianski and L Green, Loma Linda and Sepulveda, CA. Loma Linda University (WAFMR)*  
Abstract 254
- 2:45** **EOSINOPHILIC MYOSITIS IN A PATIENT WITH MYASTHENIA GRAVIS WITHOUT THYMOMA.**  
*F Rasool, L Tatosyan and E Katsaros, Loma Linda, CA. Loma Linda University Medical Center*  
Abstract 255
- 3:00 - 3:15 Intermission**
- 3:15** **DETECTING HYDROXYCHLOROQUINE-RELATED RETINOPATHY: SENSITIVITY AND SPECIFICITY OF CLINICAL ELECTROPHYSIOLOGICAL AND PSYCHOPHYSICAL TESTS.**  
*S Kim, M Yashar, MC Ortube, M Gorin and S Nusinowitz, Los Angeles and Loma Linda, CA. Loma Linda University (WSMRF)*  
Abstract 256
- 3:30** **MULTICENTRIC RETICULOHISTIOCYTOSIS PRESENTING WITH CLINICAL FEATURES OF DERMATOMYOSITIS AND RHEUMATOID ARTHRITIS.**  
*V Velkuru, I Moldovan and K Colburn, Loma Linda, CA. Loma Linda University Medical Center*  
Abstract 257
- 3:45** **RHEUMATOID ARTHRITIS (RA)-RELATED AUTOANTIBODIES ARE ASSOCIATED WITH PULMONARY AIRWAY ABNORMALITIES IN**

**INDIVIDUALS WITHOUT RA.**

*K Deane, P Simonian, D Lynch, P Julien, M Weisman, J Norris and M Holers, Aurora, CO; Denver, CO and Los Angeles, CA. University of Colorado Denver (WAFMR)*

Abstract 258

**4:00 A CASE OF KIKUCHI-FUJIMOTO DISEASE.**

*F Rasool and E Katsaros, Loma Linda, CA. Loma Linda University Medical Center*

Abstract 259

**4:15 PERFORMANCE OF THE CONNECTIVE TISSUE DISEASES SCREENING QUESTIONNAIRE (CSQ) AND AUTOANTIBODY TESTING FOR IDENTIFYING PATIENTS WITH UNDIAGNOSED RHEUMATOID ARTHRITIS (RA) IN AN URBAN COMMUNITY HEALTH FAIR.**

*B Goldstein, K Deane, C Striebich, S Brake, J Goddard, C Belz, E Karlson and M Holers, Aurora and Denver, CO and Boston, MA. Exempla Health Care, St. Joseph's Hospital (WAFMR)*

Abstract 260

**Infectious Diseases I**

Sunset Center, Room # 6

*David Gilbert, Presiding*

**1:30 VIRAL ENVELOPE STRUCTURE DETERMINATION OF NEUTRALIZING ANTIBODY ESCAPE IN MOTHER TO CHILD TRANSMISSION OF HIV-1.**

*K Bajema, JB Lynch and J Overbaugh, Seattle, WA. University of Washington (WSMRF)*

Abstract 261

**1:45 COMPARISON OF HIV VARIANTS IN BREAST MILK AND BLOOD: SENSITIVITY TO VIRAL ENTRY INHIBITORS.**

*J Hong, K Nakamura, L Jones, K Semrau, D Decker and G Aldrovandi, Loma Linda, CA; Los Angeles, CA and Boston, MA. Loma Linda University (WSMRF)*

Abstract 262

**2:00 TREATMENT OF HELMINTH CO-INFECTION IN HIV-1 INFECTED INDIVIDUALS IN RESOURCE-LIMITED SETTINGS.**

*BR Herrin, G John-Stewart and JL Walson, Seattle, WA. University of Washington (WSMRF)*

Abstract 263

**2:15 RED BLOOD CELL VIRAL TRAP.**

*L Kohn, K Chikere, P Hong and B Lee, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 264

**2:30 SEXUALLY TRANSMITTED INFECTIONS AND BACTERIAL VAGINOSIS AMONG HIV-1 INFECTED PREGNANT WOMEN IN NAIROBI: IS SYNDROMIC MANAGEMENT EFFECTIVE?**

*GE Marx, G John-Stewart, R Bosire and C Farquhar, Seattle, WA and Nairobi, Kenya.*

*University of Washington (WSMRF)*

Abstract 265

**2:45 OUTER MEMBRANE VESICLES IN *SALMONELLA TYPHIMURIUM*.**

*RD Berg, Seattle, WA. University of Washington (WSMRF)*

Abstract 266

**3:00 - 3:15 Intermission**

**3:15 CHITOSAN NANOPARTICLES FOR ANTIMICROBIAL TREATMENT AGAINST CUTANEOUS PATHOGENS.**

*X Ye, J Chamber, C Fernandez, J Phan and J Kim, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 267

**3:30 DOES DISSEMINATED METHICILLIN RESISTANT STAPHYLOCOCCAL AUREUS (MRSA) CAUSE VENOUS THROMBOSIS: A CASE SERIES AND LITERATURE REVIEW.**

*P Krishnan, R Mignacca, R Dimand and A Graciano, Fresno and Madera, CA. University of California, San Francisco - Fresno (WSCI Travel Award Winner)*

Abstract 268

**3:45 IMMUNE THROBOCYTOPENIA (ITP) DUE TO HELICOBACTER PYLORI RESPONDS TO ANTIMICROBIAL THERAPY.**

*LA Cone, A Morrow and R Gade-Andavolu, Rancho Mirage, CA. Eisenhower Medical Center (WAFMR)*

Abstract 269

**4:00 CONSTRUCTION OF A RECOMBINANT YELLOW FEVER 17D CLONING VECTOR.**

*ZP Kaltenborn, J Vogt, G Spies and MJ McElrath, Seattle, WA. The University of Washington (WSMRF)*

Abstract 270

**Morphogenesis and Malformations**

Sunset Center, Rehearsal Room

*Christopher Cunniff and Richard Olney, Presiding*

**1:30 A POPULATION-BASED STUDY OF HYPOPLASTIC LEFT HEART REVEALS NOVEL CHROMOSOME ABNORMALITIES.**

*JT Shieh, GM Shaw, EJ Lammer and D Srivastava, San Francisco and Oakland, CA. University of California, San Francisco (WSPR)*

Abstract 271

**1:45 NOT ALL CARDIAC RIGHT VENTRICULAR OUT-POUCHES ARE CREATED EQUAL.**

*RJ Acherman, WN Evans, AJ Madrid, VA Starnes, RC Rollins, R Weincek and M Ciccolo, Las Vegas, NV and Los Angeles, CA. Children's Heart Center Nevada (WSPR)*

Abstract 272

**2:00 THYMIDYLATE SYNTHASE VARIANTS AMONG INFANTS BORN WITH CONOTRUNCAL CARDIAC DEFECTS.**

*S Perloff, E Lammer, D Iovannisci, K Schultz and GM Shaw, Oakland, CA. Children's Hospital-Oakland (WSPR)*

Abstract 273

**2:15 ULTRASOUND IMAGING OF THE FETAL CISTERNA MAGNA: DIFFERENTIATION OF MEGA CISTERNA MAGNA FROM DANDY-WALKER VARIANT BY RATE OF GROWTH OF THE FETAL CISTERNA MAGNA IN THE SECOND AND THIRD TRIMESTERS.**

*E Richardson, M Dighe and D Doherty, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)*

Abstract 274

**2:30 INTRAVENTRICULAR HEMORRHAGE IN KYPHOSCOLIOTIC EHLERS-DANLOS SYNDROME.**

*EM Blevins, J Yang, NB McDonnell and MJ Willis, San Diego, CA and Baltimore, MD. Navy Medical Center San Diego (WSPR Mead Johnson Travel Award Winner)*

Abstract 275

**2:45 *State-of-the-Art Speaker***

**HUMAN NEURONAL MIGRATION DEFECTS: INSIGHTS INTO THE ASSEMBLY OF THE BRAIN.**

*Anthony Wynshaw-Boris, University of California, San Francisco*

***3:15 - 3:30 Intermission***

**3:30 MORPHOLOGICAL FEATURES IN NETHERTON SYNDROME.**

*N Zadeh, A Kwan and L Hudgins, Stanford, CA. Stanford University*

Abstract 276

**3:45 BILATERAL PROXIMAL INTERPHALANGEAL JOINT CONTRACTURES: EXPANDING THE SPECTRUM OF HAND ANOMALIES IN AARSKOG-SCOTT SYNDROME.**

*JA Bernstein and L Hudgins, Stanford, CA. Stanford University (WSPR)*

Abstract 277

**4:00 MOTOR PROFICIENCY AND COORDINATION IN CHILDREN WITH NEUROFIBROMATOSIS TYPE 1.**

*DA Stevenson, B Johnson, B MacWilliams, D Viskochil, J D'Astous, H Hanson, J Davis, S Geyer, J Siebert and J Carey, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 278

**4:15 OSTEOPROLIFERATION DYSPLASIA: AN IMPORTANT AND UNDERSTUDIED CAUSE OF NON-NF1 TIBIAL DYSPLASIA.**

*JC Carey, DA Stevenson, MA Pond, JW Roach and DH Viskochil, Salt Lake City, UT.*

**4:30 DUPLICATION OF THE MILLER DIEKER REGION 17P13.3: A NEW SYNDROME.**

*CJ Curry, JS Fisher, K Gripp, E Hopkins, AC Tsai, K Swisshelm, S Aradhya and WB Dobyms, Fresno, CA; Wilmington, DE; Aurora, and Denver, CO; Gaithersburg, MD and Chicago, IL. University of California San Francisco (WSPR)*

Abstract 280

**4:45 CAUDAL APPENDAGE IN A NEONATE WITH CLOVERLEAF SKULL: CASE REPORT AND REVIEW OF THE LITERATURE.**

*D Sureka and L Hudgins, Stanford, CA. Stanford University*

Abstract 281

**5:00 MICROCEPHALY-LYMPHEDEMA-CHORIORETINAL DYSPLASIA IN TWO CHILDREN: CASE REPORT OF OPHTHALMOLOGIC VARIABILITY.**

*K Dent, P Magoulas, R Hoffman, D Dries, D Stevenson and D Viskochil, Salt Lake City, UT and Houston, TX. University of Utah*

Abstract 282

**Neonatology – General II**

All Saints Church, Auditorium

*Andrew Hopper and Virender K. Rehan, Presiding*

**1:30 VENTILATION MODE AFFECTS OVINE PULMONARY IGF-1 EPIGENETIC CHARACTERISTICS.**

*M McCoy, DB Metcalfe, B Metcalfe, B Beck, X Ke, RA McKnight, L Dong, MJ Dahl, DM Null, B Yoder, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF)*

Abstract 283

**1:45 APOPTOSIS OF GLIA IN CORTICAL WHITE MATTER IS INCREASED BY MECHANICAL VENTILATION OF PRETERM LAMBS FOR 3 DAYS.**

*J Alvord, B Beck, A Wint, DS Elder, B Clayton, DB Metcalfe, MJ McCoy, L Dong, MJ Dahl, C Callaway, RA McKnight, DM Null, BA Yoder, RH Albertine and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF)*

Abstract 284

**2:00 VENTILATION MODE AFFECTS HISTONE MODIFICATIONS IN CORTICAL WHITE MATTER OF CHRONICALLY VENTILATED PRETERM LAMBS.**

*J Alvord, B Beck, A Wint, S Elder, B Clayton, D Metcalfe, M McCoy, L Dong, MJ Dahl, C Callaway, RA McKnight, DM Null, BA Yoder, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF)*

Abstract 285

**2:15 AGE-DEPENDENT EXPRESSION OF HEME OXYGENASE-1 IN MICE FOLLOWING ORAL ADMINISTRATION OF CHROMIUM**

**MESOPORPHYRIN.**

*CX He, T Morisawa, H Zhao, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine (WSMRF)*

Abstract 286

**2:30 DOSE-DEPENDENT EFFECTS OF ZINC BIS GLYCOL PORPHYRIN ON THE EXPRESSION OF HEME OXYGENASE IN NEWBORN MICE.**

*CM Campbell, T Morisawa, RJ Wong and DK Stevenson, Stanford, CA and Philadelphia, PA. Stanford University school of Medicine (WSMRF)*

Abstract 287

**2:45 REAL-TIME, NONINVASIVE MEASUREMENTS OF PLASMA BILIRUBIN LEVELS USING VISIBLE LIGHT SPECTROSCOPY.**

*Y Knauer, M Fierro, E van Thillo, DA Benaron, RJ Wong and DK Stevenson, Stanford, and Portola Valley, CA. Stanford University school of Medicine (WSMRF)*

Abstract 288

**3:00 DIABETES MELLITUS ALTERS THE HEPATIC HISTONE CODE ALONG THE RAT IGF-1 GENE.**

*E Zinkhan, Q Fu, M Hale, Y Wang, T Scholz, J Segar, L Joss-Moore and R Lane, Salt Lake City, UT and Iowa City, IA. University of Utah*

Abstract 289

***3:15 - 3:30 Intermission***

**3:30 DEVELOPMENTAL MASSAGE THERAPY (DMT) PROMOTES WEIGHT GAIN AND DECREASED ADIPOSITY IN RAT PUPS EXPOSED TO ENVIRONMENTAL STRESSORS DURING EARLY NEONATAL LIFE.**

*KD Gulliver, S O'Grady, S Haley, X Ke, A Zabrocki, R Lane, S Miller and L Moyer-Mileur, Salt Lake City, UT. University of Utah*

Abstract 290

**3:45 INTRAUTERINE GROWTH RESTRICTION ALTERS BONE MRNA LEVELS OF SEX STEROID AND GLUCOCORTICOID HORMONE RECEPTORS, BUT NOT INSULIN-LIKE GROWTH FACTOR 1 RECEPTOR IN MALE RAT.**

*AJ Zabrocki, R Lane, L Moyer-Mileur, S Miller, C Callaway and X Yu, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 291

**4:00 MATERNAL ZINC DEFICIENCY AFFECTS POSTNATAL GROWTH AND GLUCOSE HOMEOSTASIS IN RAT PUPS DIFFERENTLY DEPENDING UPON ADEQUACY OF THEIR NUTRIENT INTAKE.**

*M Jou, B Lonnerdal and AF Philipps, Davis, CA. University of California, Davis (WSMRF)*

Abstract 292

**4:15 GLUCOCORTICOID RECEPTOR GENE VARIANT COMPOSITION AND ASSOCIATED HISTONE CODE ARE ALTERED BY NEONATAL STRESS AND**

**ERYTHROPOIETIN IN THE RAT BRAIN.**

*X Ke, S O'Grady, D Caprau, R McPherson, R McKnight, S Juul and R Lane, Salt Lake City, UT and Seattle, WA. University of Utah (WSPR)*

Abstract 293

**4:30 DEVELOPMENTAL MASSAGE THERAPY ALTERS THE HEPATIC IGF1 PATHWAY IN A NEONATAL STRESS MODEL.**

*S Haley, S O'Grady, K Gulliver, X Ke, A Zabrocki, S Miller, R Lane and L Moyer-Mileur, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 294

**4:45 TLR4 PROTEIN ABUNDANCE IN THE BRAIN IS NOT AFFECTED BY VENTILATION MODE IN PRETERM LAMBS.**

*B Clayton, J Alvord, B Beck, S Elder, D Metcalfe, M McCoy, L Dong, MJ Dahl, C Callaway, RA McKnight, DM Null, BA Yoder, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF)*

Abstract 295

**Nephrology and Hypertension**

Sunset Center, Conductor's Room

*Nick D. Vaziri and Susanne Nicholas, Presiding*

**1:30 UPREGULATION OF MONOCYTE/MACROPHAGE HEMATOPOIETIC GROWTH FACTOR INDUCIBLE NEUROKININ-1 (HGFIN) EXPRESSION IN END-STAGE RENAL DISEASE.**

*M Pahl, N Vaziri, J Yuen and S Adler, Orange and Torrance, CA. University of California, Irvine (WAP)*

Abstract 296

**1:45 HEPCIDIN- A POTENTIAL NOVEL BIOMARKER FOR IRON STATUS AND ERYTHROPOIETIN RESISTANCE IN PEDIATRIC CHRONIC KIDNEY DISEASE.**

*J Zaritsky, B Young, H Wang, E Nemeth, T Ganz, S Rivera, A Nissenson and I Salusky, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 297

**2:00 FT061452TM, A NOVEL ANTIOXIDANT, PREVENTS VASCULAR SMOOTH MUSCLE CELL APOPTOSIS THROUGH SUPPRESSION OF OXIDATIVE STRESS AND JNK-MEDIATED INTRINSIC PATHWAY SIGNALING.**

*I Sinha-Hikim, R Shen, A Crum and K Norris, Los Angeles, CA. Charles Drew University*

Abstract 298

**2:15 ELEVATED ACTIVITY OF MATRIX METALLOPROTEINASE-2 AND -9 IS ASSOCIATED WITH INCREASED STIFFNESS, MEDIAL CALCIFICATION AND VASOMOTOR DYSFUNCTION OF ARTERIAL VASCULATURE IN PATIENTS WITH END-STAGE KIDNEY DISEASE.**

*JM Kim, HC Yang, E Chum, WA Gourlay, A Levin and AW Chung, Vancouver, BC, Canada. Child and Family Research Institute (WAFMR/WSCI Subspecialty Award*

*Winner) (WSMRF)*

Abstract 299

**Abstract #306 presenting here**

**2:30 MECHANISMS OF IMPAIRED HDL-MEDIATED REVERSE CHOLESTEROL TRANSPORT IN CHRONIC KIDNEY DISEASE.**

*H Moradi, Z Ni, J Yuan and N Vaziri, Irvine, CA. University of California, Irvine*

Abstract 300

**2:45 FAVORABLE EFFECTS OF APOA-1 MIMETIC PEPTIDE ON HDL ANTI-INFLAMMATORY AND LDL PRO-INFLAMMATORY PROPERTIES IN UREMIC PLASMA.**

*ND Vaziri, H Moradi, M Pahl and M Navab, Orange, CA and Los Angeles, CA. University of California, Irvine (WAP)*

Abstract 301

**3:00 ELDERLY KIDNEY RECIPIENT OUTCOMES IN TRANSPLANTED PATIENTS.**

*T Ly, M Shangguan, MS Sampaio, A Kadiyala and S Bunnapradist, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 302

**3:15 - 3:30 Intermission**

**3:30 *State-of-the-Art Speaker***

**POLYCYSTIC KIDNEY DISEASE: NEW DIRECTION IN DIAGNOSIS AND TREATMENT.**

*Robert H. Weiss, University of California, Davis*

**4:00 PROINSULIN AND C PEPTIDE ARE ASSOCIATED WITH WORSE KIDNEY FUNCTION IN OLDER ADULTS WITHOUT DIABETES: THE RANCHO BERNARDO STUDY.**

*SK Jassal and E Barrett-Connor, San Diego, CA and La Jolla, CA. University of California, San Diego and VA San Diego Health Center*

Abstract 303

**4:15 RETROSPECTIVE STUDY OF THE EFFECT OF SHORT ACTING VS. LONG ACTING ERYTHROPOIESIS STIMULATING AGENTS ON DIALYSIS ACCESS THROMBOSIS/STENOSIS.**

*V Ha, M Pahl and ND Vaziri, Orange, CA. University of California, Irvine*

Abstract 304

**4:30 IDENTIFICATION OF OSMOTIC NEPHROSIS AS THE CAUSE OF GADOLINIUM-INDUCED ACUTE KIDNEY INJURY IN HUMANS.**

*A Pham, A Jin and G Shah, Orange and Long Beach, CA. University of California, Irvine (WSCI Travel Award Winner)*

Abstract 305

**Abstract #300 presenting here**

**4:45 MATERNAL LOW PROTEIN DIET: DEVELOPMENTAL ORIGIN OF ADULT HYPERTENSION.**

AS Leitzke, Loma Linda, CA. *Loma Linda University*

Abstract 306

**5:00 DYSREGULATION OF RENAL MELANOCORTIN 3 RECEPTOR IN HEREDITARY SALT SENSITIVE HYPERTENSION.**

*G Chandramohan, N Vaziri, K Norris and S Sinha, Torrance, Los Angeles, and Irvine, CA. Harbor-UCLA Medical Center*

Abstract 307

**STUDENT SCIENTIFIC SESSION V**

**Infectious Disease and Hematology and Oncology**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*LaPlaya Hotel – Carmel Room*

**1:30 PM – 4:00 PM**

**Friday, January 30, 2009**

*David Fredricks and Jeff Hsu, Presiding*

**1:30 A MULTIFACTORIAL, MEDICAL STUDENT-DRIVEN SOLUTION TO INTESTINAL HELMINTH INFECTION IN A DEVELOPING COMMUNITY.**

*CJ Wallis, N Alexander, S Bradwell, D El-Zammar, D Fang, S Finke, C Huang, V Kapoor, J Khangura, J Lubin, F Petigara and M Yan, Vancouver, BC, Canada. University of British Columbia*

Abstract 308

**1:45 HEALTHCARE SELF-MANAGEMENT TOOL FOR PEOPLE LIVING WITH HIV/AIDS AS A CHRONIC ILLNESS AT THE MADISON CLINIC IN SEATTLE, WA.**

*J Angel-Padilla, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 309

**2:00 ENDOGENOUS ENDOPHTHALMITIS: A RETROSPECTIVE STUDY.**

*D Mayor, J Fan and H Wilson, Loma Linda, CA. Loma Linda University*

Abstract 310

**2:15 IMPACT OF HCV-INFECTION ON GLOMERULAR FILTRATION RATE (GFR) IN THE FIRST YEAR POST-LIVER TRANSPLANT.**

*MM Asay, RS Mangus, JA Fridell, AJ Lutz, AJ Tector and RM Vianna, Indianapolis, IN. Indiana University School of Medicine*

Abstract 311

**2:30 P63 EXPRESSION AND DISEASE-SPECIFIC SURVIVAL IN MERKEL CELL**

**CARCINOMA.**

*J Malekirad, K Garneski, G Stetsenko and P Nghiem, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 312

**2:45 IMPACT OF DELAYED RECTAL CANCER SURGERY FOLLOWING NEOADJUVANT CHEMORADIOOTHERAPY.**

*ME Otto, JA Dominitz, M Larson and PC Wu, Seattle, WA. University of Washington (WSMRF)*

Abstract 313

**3:00 A STUDY OF HOSPITALIZATION AND SURGERIES AMONG INJECTION DRUG USERS IN VANCOUVER.**

*B Maas, S Jones, T Kerr, C Lai and E Wood, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 314

**3:15 ASSOCIATION OF EGO DEFENSE MECHANISMS, DEPRESSION AND COMT GENOTYPING AMONG PARENTS OF CHILDREN WITH PEDIATRIC CANCER.**

*D Otten, T Beresford and A Hoffenberg, Denver, CO. University of Colorado Denver (WSMRF)*

Abstract 315

**3:30 ASSESSMENT OF RAS-ASSOCIATION DOMAIN FAMILY PROTEIN 1 GENE EXPRESSION IN NORMAL AND MALIGNANT HUMAN MAMMARY CELLS.**

*JA Fawley, FP Hasibuan, J Jeong, RJ Aragon, ML Baldwin, YG Amaar and ME Reeves, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF)*

Abstract 316

**3:45 TOLL-LIKE RECEPTOR-2 DEPENDENT SIGNALING IN PULMONARY ENDOTHELIAL AND EPITHELIAL CELLS IN RESPONSE TO OXIDATIVE STRESS.**

*J Popper, J Keech and M Mulligan, Seattle, WA. University of Washington (WSMRF)*

Abstract 317

**STUDENT SCIENTIFIC SESSION VI**

**Cardiology**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*LaPlaya Hotel – Poseiden Room*

**1:30 PM – 4:00 PM**  
**Friday, January 30, 2009**

*Gary Schiller and Kurt Meyer, Presiding*

- 1:30 PULMONARY FUNCTION TESTING PRE-HEART TRANSPLANT CAN PREDICT OUTCOME.**  
*J Patel, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 318
- 1:45 OUTCOME OF OLDER REDO HEART TRANSPLANT PATIENTS.**  
*M Yajnik, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 319
- 2:00 APPLICATIONS OF STANDARDIZED COLORED 3D MODELS.**  
*M Gurevich, R Richardson and T Ralhan, Tucson, AZ and Phoenix, AZ. University of Arizona College of Medicine (WAFMR)*  
Abstract 320
- 2:15 RISK FACTORS FOR OBSTRUCTIVE SLEEP APNEA ARE COMMON IN OBESE MEN WITH HEART FAILURE.**  
*CB Fuller, J Chiong and R Bell, Loma Linda, CA. Loma Linda University*  
Abstract 321
- 2:30 EXAMINATION OF ALTERNATIVE VARIABLES IN ASSESSING CARDIAC ARREST SURVIVAL.**  
*S Edmunds, MS Eisenberg and B Stubbs, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 322
- 2:45 BETA BLOCKER THERAPY IS WELL TOLERATED IN PATIENTS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND CHRONIC HEART FAILURE: CLINICAL INFORMATION MANAGER FOR HEART FAILURE REGISTRY ANALYSIS.**  
*R Bell, L Houston-Feenstra, C Fuller, DK Petersen and JR Chiong, Loma Linda, CA. Loma Linda University (WSMRF)*  
Abstract 323

- 3:00 RECURRENT SYNCOPE CAUSED BY PHYSICAL AND EMOTIONAL STRESS.**  
*B Farhang and T Marker, Pomona, CA and Corvallis, OR. Western University COMP*  
 Abstract 324
- 3:15 INTEROBSERVER VARIABILITY IN COMPUTED TOMOGRAPHY ASSESSMENT OF THE CAROTID ARTERY IN HEAD & NECK CANCER PATIENTS.**  
*RA Orden, KR Branch, L Mitsumori, E Mendez, JJ Liao, KD O'Brien and GE Davis, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
 Abstract 325
- 3:30 RELATIONSHIPS BETWEEN PHYSIOLOGICAL AND FUNCTIONAL VARIABLES IN PERIPHERAL ARTERIAL DISEASE.**  
*P Liu, S Figoni and C Kunkel, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*  
 Abstract 326
- 3:45 MATERNAL PROTEIN DEPRIVATION AND THE EPIGENETIC ORIGIN OF HYPERTENSION: FETAL MOUSE KIDNEY'S RENIN-ANGIOTENSIN SYSTEM.**  
*E Jang, R Goyal, A Mittal, T Wright, A Galffy and LD Longo, Loma Linda, CA. Loma Linda University (WSMRF)*  
 Abstract 327

## STUDENT SCIENTIFIC SESSION VII

### Community Health Project

## WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center – Bingham Room #3

1:30 PM – 5:00 PM

Friday, January 30, 2009

*Laurel Desnick and Nicole Hetzer, Presiding*

- 1:30 PROBLEM BASED LEARNING WITH SUPPLEMENTAL INTERACTIVE MEDICAL MULTIMEDIA (PBL-SIMM).**  
*D Mickelson, G LiMarzi and B Ross, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
 Abstract 328
- 1:45 REDESIGNING CLINIC OPERATIONS TO IMPROVE DEPRESSION CARE IN PUBLIC PRIMARY CARE SETTINGS.**  
*S Dang, L Campbell and M Rodriguez, Los Angeles, CA. University of California, Los Angeles (WSMRF)*

Abstract 329

**2:00 COMMUNITY INTERVENTIONS TO ADDRESS CHILDHOOD OBESITY.**

*A Pugel, Seattle, WA. University of Washington School of Medicine*

Abstract 330

**2:15 DEVELOPMENT OF EDUMED: A HEALTH EDUCATION & MEDICAL EXPOSURE PROGRAM IN MOSCOW, ID.**

*DJ Perry, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 331

**2:30 DEVELOPMENT OF A PEDIATRIC CARDIAC SURGERY TRAINEE CURRICULUM: BC CHILDREN'S HOSPITAL AND FUDAN UNIVERSITY CHILDREN'S HOSPITAL CARDIAC SCIENCES PARTNERSHIP.**

*VI Lau, N Froese, D Human, J Mawson, N Casey, P Skippen, L Cender, B McKnight, C Baldwin and J Leblanc, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 332

**2:45 INCREASING AWARENESS OF CA-MRSA AND HSV-1 IN EUREKA, MONTANA TO PREVENT INFECTIONS IN STUDENT-ATHLETES.**

*C Schlepp, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 333

*3:00 - 3:15 Intermission*

**3:15 COMMUNITY AND PATIENT EDUCATION ON PREVENTION OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS SKIN INFECTIONS IN FAIRBANKS, ALASKA.**

*L Turner, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 334

**3:30 PREVENTING FALLS OF ELDERLY FORT BENTON, MONTANA RESIDENTS: A MULTIDISCIPLINARY APPROACH.**

*AM Jayne-Jensen, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 335

**3:45 SPANISH IMMERSION PROGRAM IN BREWSTER, WASHINGTON: A COMMUNITY ASSESSMENT.**

*E Uno, Seattle, WA. University of Washington School of Medicine*

Abstract 336

**4:00 HPV VACCINE EDUCATION IN MCCALL, IDAHO.**

*M FitzMaurice, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 337

**4:15 MODIFYING AN EXISTING PUBLIC EDUCATION CAMPAIGN TO PROMOTE CARBON MONOXIDE SAFETY IN CARBON COUNTY, MT.**

*PR Wood, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 338

**4:30 INCREASING VEGETABLE CONSUMPTION OF LOW INCOME FAMILIES THROUGH DISTRIBUTION OF AN EDUCATIONAL COOKBOOK IN CONJUNCTION WITH FREE PRODUCE IN THE METHOW VALLEY.**

*E Jensen-Otsu, Seattle, WA. University of Washington School of Medicine*

Abstract 339

**4:45 ZOO NOTIC DISEASE EDUCATION IN THE REPUBLIC OF PALAU.**

*J Totten, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 340

**STUDENT SCIENTIFIC SESSION VIII**

**Community Health Project**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Church of the Wayfarer, Carlson Hall**

**1:30 PM – 4:00 PM**

**Friday, January 30, 2009**

*Suzanne Allen, Presiding*

**1:00 STUDENT-DRIVEN DEVELOPMENT OF A GLOBAL HEALTH CURRICULUM FOR MEDICAL UNDERGRADUATE TRAINING.**

*K Kang, S Turvey, J Smitten, G Walton, V Kapoor and A Macnab, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 341

**1:15 A MODEL FOR INTERNATIONAL HEALTHCARE PROMOTION BASED ON STUDENT LEADERSHIP, SUSTAINABILITY, AND COLLABORATION.**

*N Alexander, D El-Zammar, D Fang, S Finke, S Hendry, C Huang, J Khangura, J Lubin, A Mills, F Petigara, C Wallis, M Yan and V Kapoor, Vancouver, BC, Canada. University of British Columbia*

Abstract 342

**1:30 IMPROVING LIFESTYLE CHOICES IN PALAUAN DIABETICS AND HYPERTENSIVES.**

*JM Adams, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 343

**1:45 PROMOTING BIRTH SPACING IN ANTSIRABE, MADAGASCAR.**

*J Hurst, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 344

- 2:00 MENTORSHIP WITH THE AFRICAN HEARTS COMMUNITY ORGANIZATION WITHIN A CANADIAN GLOBAL HEALTH INITIATIVE.**  
*S Moodley, K Smolen, W Cannon, D Ross, J Ng, C Wu, YS Park, B Abbott, G Dhaliwal, RM Hurley and A Macnab, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 345

- 2:15 HOW DOES PARTICIPATING IN AN INTERNATIONAL TRIP AFFECT STUDENTS' GLOBAL HEALTH KNOWLEDGE?**  
*S Turvey, K Kang, J Smitten, G Walton, S Yeong, J Chiles, A Watchorn, V Kapoor, A Macnab, K Stockley, D Duffy, B Abbott, S Park, D Fang and J Lubin, Vancouver, BC, Canada. University of British Columbia*

Abstract 346

- 2:30 REDUCING CERVICAL CANCER IN MADAGASCAR: AN EDUCATIONAL CAMPAIGN AND SCREENING PROGRAM USING VISUAL INSPECTION WITH ACETIC ACID.**  
*L Schuttner, Seattle, WA and Portland, OR. University of Washington School of Medicine (WSMRF)*

Abstract 347

- 2:45 HEALTH PROMOTION IN RURAL HONDURAS: ENGAGING WOMEN IN ORDER TO IMPROVE THE HEALTH OF COMMUNITIES.**  
*H Merkeley, A Watchorn, J Chiles and D Duffy, Vancouver, BC, Canada. University of British Columbia*

Abstract 348

- 3:00 SEXUAL HEALTH EDUCATION TO HIGH SCHOOL STUDENTS IN SOUTHERN INDIA.**  
*LJ Shanks, Seattle, WA. University of Washington*

Abstract 349

- 3:15 RAISING BREAST CANCER AWARENESS IN RURAL PERU.**  
*M Johnston, Seattle, WA. University of Washington*

Abstract 350

- 3:30 PROMOTING CULTURALLY RELEVANT AWARENESS ABOUT THE BENEFITS OF KANGAROO MOTHER CARE TO MOTHERS OF LOW BIRTH WEIGHT PRETERM NEONATES IN KUMASU, GHANA.**  
*MN Onwuka, Seattle, WA. University of Washington School of Medicine*

Abstract 351

- 3:45 ASSESSING THE PERCEPTION AND UTILITY OF GREENHOUSES IN THE INDIAN HIMALAYAS.**  
*D Fang, C Huang, J Lubin, M Yan, F Petigara, N Alexander, D El-Zammar, S Finke, S Hendry, J Khangura, A Lam, A Mills, C Wallis and V Kapoor, Vancouver, BC, Canada. University of British Columbia*

**STUDENT SCIENTIFIC SESSION IX**

**Health Care Research**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Sunset Center – Chapman #4**

**1:30 PM – 4:45 PM  
Friday, January 30, 2009**

*Matthew McEchron and Richard Chui, Presiding*

**1:30 CAMBODIAN PERINATAL CULTURE BOUND SYNDROME (TOAS):  
INFORMATION FOR MEDICAL PROVIDERS ABOUT TOAS IN FEMALE  
CAMBODIAN IMMIGRANTS.**

*JM Tea and C Jackson, Seattle, WA. University of Washington School of Medicine  
(WSMRF)*

Abstract 353

**1:45 AN EFFECTIVE MODEL FOR THE INTRODUCTION OF CLINICAL  
RESEARCH TO MEDICAL AND PARAMEDICAL STUDENTS IN A  
DEVELOPING COUNTRY.**

*C Wu, F Gagnon, L Susak, W Cannon, A Kasangaki, S Moodley, A Dhabangi, S Godfrey,  
J Ng, D Ross and AJ Macnab, Vancouver, BC, Canada and Kampala, Uganda. University  
of British Columbia (WSMRF)*

Abstract 354

**2:00 PICTURE OF SELF-INFLICTED INJURY IN LA COUNTY.**

*A Skor and S Bazargan-Hejazi, Los Angeles, CA. David Geffen School of Medicine at  
UCLA/Drew Medical Program (WSMRF)*

Abstract 355

**2:15 GEOGRAPHIC DISTRIBUTION AND SUPPLY OF FAMILY PHYSICIANS IN  
IDAHO.**

*M Flores and TE Norris, Seattle, WA. University of Washington (WSMRF)*

Abstract 356

**2:30 FACTORS ASSOCIATED WITH PREGNANCY INTENTION IN LATINA  
MOTHERS.**

*LJ Campbell, S Dang and MA Rodriguez, Los Angeles, CA. Charles Drew University of  
Medicine and Science (WAFMR)*

Abstract 357

- 2:45 WEB-BASED VISUALIZATION AND PROBLEM SOLVING AS INTERVENTIONS FOR MEDICAL STUDENT BURNOUT.**  
*NE Haddad, Denver, CO. University of Colorado at Denver Medical School*  
Abstract 358

**3:00 - 3:15 Intermission**

- 3:15 CASE FINDING BASED ON FAMILY HISTORY AND SCREENING OF HIGH-RISK FIRST DEGREE RELATIVES FOR OBSTRUCTIVE SLEEP APNEA: A PILOT STUDY.**  
*R Shrivastava, SM Tuson, G Singh and M Saadat, French Camp, CA. San Joaquin General Hospital (WAFMR)*  
Abstract 359
- 3:30 UPREGULATION AND DIFFERENTIATION OF HMSCS WITH EPINEPHRINE TO ENHANCE WOUND REPAIR.**  
*RS Bolaji and RR Isseroff, Sacramento, CA. University of California, Davis (WSMRF)*  
Abstract 360
- 3:45 DEVELOPMENT OF PROTOCOLS AND STUDY DESIGN FOR AN INTENSIVE LIFESTYLE INTERVENTION PROVIDED TO HIGH RISK PREGNANT AMERICAN INDIAN WOMEN.**  
*S Behshad and RG Nelson, Tucson, AZ and Phoenix, AZ. University of Arizona College of Medicine (WAFMR)*  
Abstract 361
- 4:00 THE DESIGN AND INTEGRATION OF A NOVEL ONLINE PROBLEM-BASED LEARNING RESOURCE TO ENHANCE UNDERGRADUATE MEDICAL EDUCATION.**  
*S Moosaviasl, M Butterfield, K Chu, K Clarke, T Fraser, K Koh, W Wong, J Masterson, L Goldenberg and C Paterson, Vancouver, BC, Canada. University of British Columbia*  
Abstract 362
- 4:15 ROLE OF ALCOHOL MISUSE ON DEPRESSION SYMPTOMS, OUTCOMES AMONG MALE, FEMALE ED PATIENTS.**  
*L Downing and S Bazargan-Hejazi, Los Angeles, CA. Charles Drew University of Medicine & Science (WSMRF)*  
Abstract 363
- 4:30 EFFECTS OF HAVING A CHILD WITH A SEVERE MENTAL ILLNESS ON MOTHERS.**  
*ER Frost, Aurora, CO. University of Colorado Health Science Center*  
Abstract 364

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**BREAKFAST-WITH-THE-INVESTIGATOR**

*Monterey Beach Hotel – La Grande Room*

**7:00 AM – 8:00 AM**  
**Saturday, January 31, 2009**

**LIFE IN ACADEMIC MEDICINE: THE GOOD, THE BAD, AND THE UNEXPECTED.**

David Fredricks, *University of Washington*

**CAREERS IN ACADEMIC MEDICINE.**

Jane Reusch, *University of Colorado Health Science Center*

**MAINTAINING BALANCE IN AN ACADEMIC CAREER.**

Michel Boivin, *University of New Mexico*

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**CONCURRENT SESSIONS**

and

**STUDENT SCIENTIFIC SESSIONS**

**Saturday, January 31, 2009**

**8:30 AM**

*Jointly sponsored by*

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

**Cardiovascular III .....Il Forniao - Ocean Room, Pine Inn  
Endocrinology II.....Room#6, Sunset Center  
Hematology and Oncology II.....Studio #105, Sunset Center  
Immunology and Rheumatology II.....Chapman #4, Sunset Center  
Infectious Diseases II .....Promenade Lobby, Sunset Center  
Neonatology – Developmental Biology.....All Saints Church, Auditorium  
Neonatal – Pulmonary II.....All Saints Church, Sanctuary  
Neuroscience II.....Conductor's Room, Sunset Center  
Pulmonary and Critical Care II.....Carmel Women’s Club  
Surgery II.....Green Room, Sunset Center**

**STUDENT SCIENTIFIC SESSION X, XI, and XII  
8:30 AM – 12:00 PM**

**STUDENT SCIENTIFIC SESSION X.....Carlson Hall, Church of the Wayfarer  
STUDENT SCIENTIFIC SESSION XI.....Sunset Center – Bingham #3  
STUDENT SCIENTIFIC SESSION XII.....Sunset Center – Rehearsal Room**

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**Cardiovascular III**  
Pine Inn, Il Forniao – Ocean Room  
*Kristina I. Bostrom, Presiding*

**8:30 PREMATURE AORTIC ATHEROSCLEROSIS IS MORE COMMON THAN  
CAROTID ATHEROSCLEROSIS IN SYSTEMIC LUPUS ERYTHEMATOSUS.**  
*J Joson, J Sharrar and C Roldan, Albuquerque, NM. University of New Mexico Health  
Science Center*

Abstract 365

- 8:45 A NOVEL DESIGN FOR INJECTABLE REGENERATIVE MYOCARDIUM.**  
*M Desmond, M Lee, C Pan and B Wu, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 366
- 9:00 IMPROVED SURVIVAL WITH VENTRICULAR ASSIST DEVICE VERSUS PREDICTED SURVIVAL WITH MEDICAL MANAGEMENT USING THE SEATTLE HEART FAILURE MODEL.**  
*E Ketchum, D Fishbein, N Mokadam, E Verrier, G Aldea, S Andrus, A Moorman, K Kenyon and W Levy, Seattle, WA. University of Washington*  
Abstract 367
- 9:15 ACUTE MYOCARDIAL INFARCTION WITH SUBSEQUENT STENT THROMBOSIS AND CORONARY, VENTRICULAR, AND FEMORAL PSEUDOANEURYSMS IN BEHCET'S DISEASE.**  
*A Harrison and M Kern, Orange, CA. University of California, Irvine Medical Center*  
Abstract 368
- 9:30 PREDICTING CARDIAC PHENOTYPE BY EXAMINING GENOMIC VARIATIONS IN DIGEORGE SYNDROME.**  
*DN Schidlow and S McGhee, Los Angeles, CA. David Geffen School of Medicine at UCLA*  
Abstract 369
- 9:45 CIRCADIAN HEART RATE RHYTHM IN ASIAN INFANTS.**  
*T Hoppenbrouwers, FM Oliveira, S Sandarupa, MC Khoo, M Neuman and JE Hodgman, Los Angeles, CA; Makassar, Indonesia and Houghton, MI. University of Southern California, Keck School of Medicine*  
Abstract 370
- 10:00 - 10:15 Intermission**
- 10:15 EPISODES OF CYANOSIS/DESATURATION IN NEONATES DURING THE TRANSITIONAL PERIOD ARE ASSOCIATED WITH TRANSIENT RIGHT-TO-LEFT SHUNTING ACROSS THE PATENT FORAMEN OVALE.**  
*S Bhombal, M Ebrahimi, A Payan, B Tam, P Wong and I Seri, Los Angeles, CA. Childrens Hospital LA and Women's and Children's Hospital, Los Angeles County and University of Southern California Medical Center*  
Abstract 371
- 10:30 RAPID PROVISION OF ADVANCED LIFE SUPPORT IMPROVES SURVIVAL FROM VENTRICULAR FIBRILLATION CARDIAC ARREST IN A TIERED-RESPONSE EMERGENCY MEDICAL SERVICES SYSTEM.**  
*DT Markel, LS Gold, CE Fahrenbruch and MS Eisenberg, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 372
- 10:45 PROXIMAL ANASTOMIC DEVICE PATENCY IN OFF-PUMP CORONARY**

**BYPASS GRAFTING SURGERY.**

*AJ Chen, SA Johnstone, AC Gervacio, ME Nguyen and CY Leung, Honolulu, HI. Kaiser Permanente*

Abstract 373

**11:00 SIMPLIFIED PEDIATRIC EKG INTERPRETATION.**

*WN Evans, RJ Acherman, GA Mayman and RC Rollins, Las Vegas, NV. Children's Heart Center Nevada, University of Nevada, School of Medicine (WSPR)*

Abstract 374

**11:15 BALLOON DILATION MAY RELIEVE SUPERIOR VENA CAVA OBSTRUCTION FOLLOWING CAVOPULMONARY ANASTOMOSIS.**

*A Rothman, A Galindo, WN Evans, RJ Acherman, GA Mayman, JC Collazos and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada, University of Nevada, School of Medicine (WSPR)*

Abstract 375

**11:30 ADHERENCE TO GUIDELINE BASED SECONDARY PREVENTION THERAPIES IN CORONARY ARTERY DISEASE IN THE AGED.**

*R Boyella, S Jayasuriya, M Fain, H Thai and J Mohler, Tucson, AZ. University of Arizona*

Abstract 376

**11:45 T WAVE POLARITY ALTERNANS: A RARE VARIANT OF LONG QT SYNDROME.**

*S Chen, K Yabumoto and J Haywood, Los Angeles, CA. Los Angeles County and University of Southern California Medical Center*

Abstract 377

**Endocrinology II**

Sunset Center, Room # 6

*Ron Swerdloff, Presiding*

**8:30 TESTOSTERONE SUPPLEMENTATION PREVENTS AGE-RELATED LOSS OF SKELETAL MUSCLE MASS BY INHIBITING JNK AND MYOSTATIN SIGNALING.**

*R Porche, E Kovacheva, R Shen, E Assanah and I Sinha-Hikim, Los Angeles, CA. Charles Drew University (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)*

Abstract 378

**8:45 IGFBP3 ENHANCES GERM CELL APOPTOSIS INDUCED BY TESTICULAR HORMONAL DEPRIVATION.**

*Y Lue, H Mehta, Q Liu, P Cohen, Y Jia, A Sinha Hikim, R Swerdloff and C Wang, Torrance, CA and LA, CA. LABioMed at Harbor-UCLA Medical Center (WAFMR)*

Abstract 379

**9:00 DIRECT INTERACTIONS BETWEEN INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-3 AND BAX PROMOTES MALE GERM CELL APOPTOSIS IN RAT.**

*Y Jia, Y Lue, A Sinha Hikim, L Cobb, D Hwang, V Atienza, P Cohen, R Swerdloff and C Wang, Torrance and Los Angeles, CA. Harbor-UCLA Medical Center and Los Angeles Biomedical Research Institute (WAFMR)*

Abstract 380

**9:15 ALTERATION OF BLOOD COMPONENTS IN THYROID DISEASE.**

*L Mirkovskaya and KL Herbst, San Diego, CA. University of California, San Diego School of Medicine*

Abstract 381

**9:30 ANOGENITAL DISTANCE IN CHILDREN WITH GENITOURINARY DISORDERS.**

*EC Schetter, R Grady and S Sathyanarayana, Seattle, WA. University of Washington*

Abstract 382

**9:45 TREATMENT OF MALE INFERTILITY SECONDARY TO MORBID OBESITY.**

*MY Roth, JK Amory, WJ Bremner and ST Page, Seattle, WA. University of Washington - Center for Research in Reproduction and Contraception*

Abstract 383

**10:00 - 10:15 Intermission**

**10:15 GYNecomastia AND PRIMARY HYPOGONADISM DURING TREATMENT WITH MELPHELAN.**

*CN Snyder, ST Page and WJ Bremner, Seattle, WA. University of Washington - Center for Research in Reproduction and Contraception*

Abstract 384

**10:30 BETA-BLOCKER (BB), CALCIUM CHANNEL BLOCKER(CCB), AND STATINS AFFECT EGFR IN PATIENTS WITH TYPE 2 DIABETES.**

*W Gu, R Mallios, Q Gingrich, A Cohen, M Peterson, V Pall and J Huang, Fresno, CA. University of California San Francisco - Fresno (WAFMR)*

Abstract 385

**10:45 DIABETIC KETOACIDOSIS RESULTING AFTER TREATMENT WITH DIAZOXIDE IN A PATIENT WITH A HISTORY OF AN INSULINOMA.**

*D Podolsky and P Kapsner, Albuquerque, NM. University of New Mexico*

Abstract 386

**11:00 MECHANICAL VENTILATION OF PRETERM LAMBS FOR 3 DAYS ALTERS MRNA EXPRESSION OF GLUCOCORTICOID PATHWAY AND APOPTOTIC GENES IN THE LIVER OF CHRONICALLY VENTILATED PRETERM LAMBS.**

*C Blair, C Amundsen, D Metcalfe, M McCoy, B Beck, A Whitworth, A Smith, J Alvord, L Dong, MJ Dahl, LJ Joss-Moore, L Moyer-Mileur, DM Null, B Yoder, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF)*

Abstract 387

**11:15 FUNCTIONAL OVARIAN CYST PRODUCING SELECTIVE ESTROGEN-**

**INDUCED CHANGES IN A PREMATURELY BORN INFANT.**

*M Marinkovic, M Rasmussen and KL Jones, San Diego, CA. University of California, San Diego School of Medicine*

Abstract 388

**11:30 ACCESS TO AFFORDABLE COMFORTABLE FOOTWEAR FOR DIABETIC PATIENTS IN KUMI, UGANDA.**

*CL Harris, Seattle, WA. University of Washington (WSMRF)*

Abstract 389

**11:45 METFORMIDABLE FOE: METABOLIC ACIDOSIS IN A 68-YEAR-OLD WOMAN.**

*CG Tang, A Kim and P Balingit, Los Angeles, CA and Sylmar, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 390

**Hematology and Oncology II**

Sunset Center, Studio 105

*Jerry Powell, Presiding*

**8:30 ANTIBODY-MEDIATED FOXP3 PROTEIN THERAPY INDUCES APOPTOSIS IN CANCER CELLS IN VITRO AND INHIBITS METASTASIS IN VIVO.**

*E Heinze, S Baldwin, G Chan, J Hansen, J Song, D Clements, R Nishimura, M Reeves and R Weisbart, North Hills, Loma Linda, and Sylmar, CA. Olive View - UCLA Medical Center (WSCI Travel Award Winner)*

Abstract 391

**8:45 ASSESSMENT OF ANEMIA IN A POPULATION OF CHILDREN LIVING IN THE INDIAN HIMALAYAS.**

*D El-Zammar, M Yan, D Fang, A Lam, C Huang, F Petigara, N Alexander, J Lubin, J Ford, J Khangura, S Finke, S Hendry, A Mills, C Wallis and V Kapoor, Vancouver, BC, Canada. University of British Columbia*

Abstract 392

**9:00 IDENTIFICATION & CHARACTERIZATION OF NOVEL SMALL MOLECULES WITH ANTIPROLIFERATIVE EFFECTS IN WERI-RB1 RETINOBLASTOMA CELL LINE.**

*S Hung, C Dalgard and J O'Brien, San Francisco, CA. University of California, San Francisco (WSMRF)*

Abstract 393

**9:15 DETERMINING THE INFORMATION NECESSARY FOR PATIENT TREATMENT DECISIONS IN DUCTAL CARCINOMA IN SITU OF THE BREAST.**

*A Lo, H Carolan, C Aquino-Parsons, J Bottorff and D Feldman-Stewart, Vancouver, BC, Canada and Kingston, ON, Canada. University of British Columbia (WSMRF)*

Abstract 394

- 9:30 A TETRACYCLINE-INDUCIBLE PLASMID CONSTRUCT FOR CONTROLLING ONCOSTATIN M EXPRESSION IN BREAST CANCER CELL LINES.**  
*JC Walker and C Jorcyk, Seattle, WA and Boise, ID. University of Washington (WSMRF)*  
Abstract 395
- 9:45 THE EFFECT OF NUMBER OF OLDER BROTHERS ON THE PREVALANCE OF BREAST CANCER.**  
*S Kerzuma, J Martin and N Parikh, Pomona and Downey, CA. College of Osteopathic Medicine, Western University of Health Sciences (WSMRF)*  
Abstract 396
- 10:00 - 10:15 Intermission**
- 10:15 THE INCIDENCE OF VENOUS THROMBOEMBOLISM AND THE IMPACT ON SURVIVAL IN PATIENTS WITH BLADDER CANCER.**  
*RK Sandhu, H Chew, D Harvey, C Pan, T Wun, H Zhou and R White, Sacramento, CA. University of California Davis (WSMRF)*  
Abstract 397
- 10:30 INCREASED TREATMENT RELATED MORTALITY IN ADOLESCENTS AND YOUNG ADULTS FOLLOWING BONE MARROW TRANSPLANT.**  
*C Shin, T Nguyen and E Nemecek, Portland, OR. Doernbecher Children's Hospital (WSPR)*  
Abstract 398
- 10:45 ATYPICAL TERATOID/RHABDOID TUMOR RECURRENT DISEASE IN THE CHEST: A CASE REPORT AND REVIEW OF THE LITERATURE.**  
*A Bredlau and JD Ozeran, Fresno, CA and Madera, CA. University of California, San Francisco -Fresno (WSMRF)*  
Abstract 399
- 11:00 2D:4D RATIOS IN RELATION TO BREAST CANCER SUSCEPTIBILITY AMONG DIFFERENT ETHNIC GROUPS.**  
*A Belcher, J Martin, N Bowman, V Davis and V Agarwal, Pomona, CA and Colton, CA. College of Osteopathic Medicine, Western University of Health Sciences (WSMRF)*  
Abstract 400
- 11:15 RELATIVE ULNA LENGTH IN PRE VS. POST MENOPAUSAL BREAST CANCER PATIENTS.**  
*ER Dong, J Martin, N Bowman, V Davis and V Agarwal, Pomona, CA and Colton, CA. College of Osteopathic Medicine of the Pacific, Western University of Health Sciences*  
Abstract 401
- 11:30 EFFECT OF ALFIMEPRASE VERSUS DELTA-PLASMIN ON HEMOSTASIS USING THE RABBIT EAR BLEEDING MODEL.**  
*KD Navab, TM Gruber and VJ Marder, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 402

**11:45 ANTITUMOR ACTIVITY OF B-RAF INHIBITOR (PLX4032) AGAINST A PANEL OF HUMAN MELANOMA CELL LINES.**

*ML Montecillo, J Sondergaard and A Ribas, Los Angeles, CA. Charles R Drew University of Medicine and Science (WSMRF)*

Abstract 403

**Immunology and Rheumatology II**

Sunset Center, Chapman #4

*Susan Boackle and Julia Rhiannon, Presiding*

**8:30 AUTOIMMUNE EAR DISEASE.**

*SS Ansari and R Monger, Cheyenne, WY. University of Wyoming*

Abstract 404

**8:45 TOLL-LIKE RECEPTOR FUNCTION OF NEWBORN POLYMORPHONUCLEAR LEUKOCYTES.**

*N Thornton, C Yost, A Weyrich and G Zimmerman, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 405

**9:00 FUSION PROTEIN RNASEA INVESTIGATED AS A POSSIBLE METHOD OF REDUCING AUTO ANTI RNA ANTIBODY TITERS IN TOLL LIKE RECEPTOR 7 TRANSGENIC MICE.**

*B Rush, Seattle, WA. University of Washington*

Abstract 406

**9:15 GNATOPHYMA AND OTOPHYMA: CASE REPORT AND REVIEW.**

*N Ezra, JF Greco, JC Haley and MW Chiu, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 407

**9:30 HETEROGENEITY OF HUMAN CD8 CLONAL EXPANSIONS AND A NEW MARKER DEFINING ONE SUBSET.**

*J Rhiannon, ET Clambey and P Marrack, Denver, CO. University of Colorado Denver School of Medicine*

Abstract 408

**9:45 IMPROVING OUTCOMES OF INTRAARTICULAR PROCEDURES: SYNERGY OF ULTRASOUND GUIDANCE AND RECIPROCATING PROCEDURE DEVICE (RPD).**

*KS Park, WL Sibbitt, A Peisajovich, AA Michael and AD Bankhurst, Albuquerque, NM. University of New Mexico*

Abstract 409

**10:00 - 10:15 Intermission**

**10:15 OUTCOME OF A CD4+ T CELL-DIRECTED VACCINATION IS DEPENDENT ON TYPE-I-IFN.**

*JS Kurche, C Haluszczak and RM Kedl, Denver, CO. University of Colorado Denver*

Abstract 410

**10:30 EFFECTS OF SPECIFIC SINGLE-NUCLEOTIDE POLYMORPHISMS IN A LUPUS-ASSOCIATED HAPLOTYPE OF COMPLEMENT RECEPTOR 2 ON ALTERNATIVE SPLICING.**

*KB Douglas, DC Windels, AV Gadeliya, CL Homme, D Ulgiati, BP Tsao and SA Boackle, Aurora, CO; Crawley, WA, Australia and Los Angeles, CA. University of Colorado Denver School of Medicine (WAFMR/WSCI Subspecialty Award Winner)*

Abstract 411

**10:45 2-METHOXYESTRADIOL INHIBITS ROBUST NEUTROPHIL EXTRACELLULAR TRAP (NET) FORMATION IN LPS-STIMULATED PMNS.**

*MJ Cody, NL Thornton, GA Zimmerman, AS Weyrich and CC Yost, Salt Lake City, UT. University of Utah (WSPR)*

Abstract 412

**Infectious Diseases II**

Sunset Center, Promenade Lobby

*Joseph Vinetz, Presiding*

**WHAT'S HOT IN ID – FELLOWS, JUNIOR FACULTY, AND MENTORS**

**8:30 HIV AND MALARIA.**

Mentor: Joe Vinetz, *University of California, San Diego*

Presenter: Ajay Bharti

**9:00 CATHETER-ASSOCIATED UTIS AND MORTALITY.**

Mentor: John Burke, *University of Utah*

Presenter: Kristin Dascomb

**9:30 NOVEL THERAPY FOR HEPATITIS C.**

Mentor: Jeff Glenn, *Stanford University*

Presenter: Shirit Einav

**10:00 BREAK**

**10:15 S. AUREUS VIRULENCE FACTORS.**

Mentor: Chip Chambers, *University of California, San Francisco*

Presenter: Binh A. Diep

**10:45 CD 8 CELLS AND TUBERCULOSIS.**

Mentor: David Lewinsohn, *Oregon Health & Science University*

Presenter: Melissa Nyendak

**11:15 DIDOX TREATMENT AND CYTOMEGALOVIRUS INFECTION IN A MURINE MODEL. .**

Mentor: Peter Barry, *University of California, Davis*

Presenter: Vera Go

**11:45 BODY SITE COLONIZATION PREVALENCE IN PATIENTS WITH COMMUNITY-ASSOCIATED METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS AND OTHER FORMS OF STAPHYLOCOCCUS AUREUS AND SKIN INFECTIONS.**

Mentor: John Edwards, *Harbor-UCLA*

Presenter: Eric Yang-

**Neonatology – Developmental Biology**

All Saints Church, Auditorium

*Victoria Camerini and Istvan Seri, Presiding*

**8:30** *State-of-the-Art Speaker*

**INFANT NUTRITION SHAPES INTESTINAL MICROBIAL FLORA: IMPLICATIONS FOR GROWTH AND DEVELOPMENT.**

Bo Lonnerdal, *University of California, Davis*

**9:00 ALTERED GROWTH FACTOR PRODUCTION IN FETUSES OF DIABETIC RATS.**

*BH Gebrekristos, KD Beharry, RS Brock, KM Kuniyoshi, C Phillips, S Jivabhai, A Jones, A Tabing and HD Modanlou, Irvine and Long Beach, CA. University of California, Irvine (WSPR Mead Johnson Travel Award Winner)*

Abstract 413

**9:15 ERYTHROPOIETIN DECREASES GLUCOCORTICOID RECEPTOR VARIANTS IN THE BRAIN OF A MURINE HYPOXIC-ISCHEMIC STRESS MODEL.**

*MA Hale, X Ke, R McPherson, RA McKnight, S Juul and RH Lane, Salt Lake City, UT and Seattle, WA. University of Utah*

Abstract 414

**9:30 QUANTITATIVE MEASUREMENT OF ENDOGENOUS CONTROL GENES IN DEVELOPING HUMAN FETAL TISSUE.**

*S McConaghy and RK Ohls, Albuquerque, NM. University of New Mexico (WSPR)*

Abstract 415

**9:45 DEVELOPMENTAL EXPRESSION AND FUNCTION OF COLLAGEN TYPE XI IN ZEBRAFISH.**

*BL McMahan, J Adams and J Oxford, Seattle, WA and Boise, ID. University of Washington (WSPR Subspecialty Award Winner) (WSMRF)*

Abstract 416

*10:00 - 10:15 Intermission*

- 10:15 IUGR ALTERS T-LYMPHOCYTE PHENOTYPE IN NEWBORN AND JUVENILE RATS.**  
*Y Contreras, MA Hale, X Fu, E Enioutina, CW Calloway, RH McKnight and RA Lane, Salt Lake City, UT. University of Utah (WSPR)*  
Abstract 417
- 10:30 DNMT MRNA VARIANT PRODUCTION IS ALTERED IN THE MALE IUGR RAT LIVER.**  
*B Burshears, Q Fu, M Hale, Y Wang, B Yu, C Callaway, L Joss-Moore, R McKnight and R Lane, Salt Lake City, UT. University of Utah*  
Abstract 418
- 10:45 IUGR ALTERS TNF $\alpha$  AND NF $\kappa$ B MRNA LEVELS IN RAT ADIPOSE TISSUE IN A GENDER SPECIFIC MANNER.**  
*MS Campbell, LA Joss-Moore, Y Wang, CW Callaway, X Yu, R McKnight, LJ Moyer-Mileur and RH Lane, Salt Lake City, UT. University of Utah*  
Abstract 419
- 11:00 MATERNAL ZINC DEFICIENCY INCREASES HEPATIC IGF-1 MRNA VARIANT EXPRESSION IN JUVENILE RATS.**  
*BY Lang, Q Fu, L Joss-Moore, M Hale, Y Wang, R McKnight, M Jou, A Philipps and RH Lane, Salt Lake City, UT and Sacramento, CA. University of Utah*  
Abstract 420
- 11:00 BIOACTIVITY OF TRANSFORMING GROWTH FACTOR- $\beta$  IN POWDER INFANT FORMULA. -GP Rai, R Waworuntu, SD Maria, G Vangari, and R Slightom, Evansville, IN. Mead Johnson & Co**  
Abstract 421
- 11:15 MATRIX METALLOPROTEINASE MRNA AND PROTEIN CONCENTRATIONS IN THE DEVELOPING HUMAN EYE.**  
*C Chen, S McConaghy, M Rowe, R Hodnick and R Ohls, Albuquerque, NM and Des Moines, IA. University of New Mexico (WSMRF)*  
Abstract 422
- 11:30 CHARACTERIZING CAENORHABDITIS ELEGANS OOCYTE MRNA USING RNA SEQUENCING.**  
*A Kumar, JI Murray and R Waterston, Seattle, WA. University of Washington (WSMRF)*  
Abstract 423
- 11:45 CONCENTRATION OF TRANSFORMING GROWTH FACTOR BETA IN HUMAN MILK FROM US AND MEXICAN MOTHERS.**  
*ZE Jouni, RJ McMahan, PW Ferguson, AL Morrow and FJ Rosales, Evansville, IN and Cincinnati, OH. Mead Johnson Nutritionals*  
Abstract 424

## Neonatal Pulmonary II

All Saints Church, Sanctuary

David Durand and Vinny Bhutani, Presiding

**8:30 A SUBSET OF EPITHELIAL CELLS IDENTIFIED BY CCSP-PROMOTER ACTIVITY PARTICIPATES IN ALVEOLAR FORMATION.**

VA Londhe, TM Maisonet, K Rodgers, C Li, A Li and P Minoo, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSPR)*

Abstract 425

**8:45 MATERNAL DHA CONSUMPTION DURING GESTATION ABLATES IUGR INDUCED CHANGES IN LUNG PPAR $\gamma$  MRNA EXPRESSION AND LUNG MORPHOLOGY IN RAT OFFSPRING.**

L Joss-Moore, Y Wang, CW Callaway, X Yu, RA McKnight and RH Lane, Salt Lake City, UT. *University of Utah*

Abstract 426

**9:00 P53 AFFECTS VASCULAR ENDOTHELIAL GROWTH FACTOR MRNA EXPRESSION IN DEVELOPING MOUSE LUNG.**

EA O'Brien, C Jiang, X Yu, C Callaway, M Dahl, R McKnight, K Albertine and R Lane, Salt Lake City, UT. *University of Utah (WSPR)*

Abstract 427

**9:15 ANTENATAL ADMINISTRATION OF PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR (PPAR)  $\gamma$  AGONIST ROSIGLITAZONE (RGZ) PREVENTS HYPEROXIA-INDUCED LUNG INJURY POSTNATALLY.**

R Sakurai, E Shin, J Corral, J Torday and V Rehan, Torrance, CA. *Harbor-UCLA Medical Center*

Abstract 428

**9:30 IMPROVED SURVIVAL AND GAS EXCHANGE IN SPONTANEOUSLY BREATHING PIGLETS WITH HCL INDUCED SEVERE ACUTE LUNG INJURY TREATED WITH KL4-SURFACTANT.**

AM Zimmermann, KD Roberts, P Meyers, C Worwa, B Plumm, AL Lampland, MR Wolfson, C Pacheco and MC Mammel, St Paul, MN; Minneapolis, MN and Philadelphia, PA. *University of Minnesota*

Abstract 429

**9:45 PROTECTION OF HYPEROXIA-INDUCED NEONATAL LUNG INJURY BY PARENTRALLY ADMINISTERED BONE MARROW-DERIVED MESENCHYMAL STEM CELLS.**

P Guo, E Cruz, K Chap, S Mittal, J Torday and V Rehan, Torrance, CA. *LA Biomed*

Abstract 430

*10:00 - 10:15 Intermission*

**10:15 VOLUME GUARANTEE COMBINED WITH EITHER PRESSURE SUPPORT VENTILATION OR SYNCHRONIZED INTERMITTENT MANDATORY**

**VENTILATION IN EXTREMELY LOW BIRTH WEIGHT INFANTS.**

*A Lampland, B Plumm, C Worwa, P Meyers and MC Mammel, St Paul, MN and Minneapolis, MN. Children's Hospitals & Clinics of Minnesota - St Paul*

Abstract 431

**10:30 SMAD3 FACILITATES NUCLEAR TRANSPORT OF  $\beta$ -CATENIN IN LUNG EPITHELIAL CELLS.**

*C Ramos, Y Xing, L Hu and P Minoo, Los Angeles, CA. Los Angeles County-University of Southern California Medical Center (WSPR)*

Abstract 432

**10:45 MATERNAL-FETAL LEAD POISONING FROM AN OLD SLUG: 10-YEAR FOLLOW-UP.**

*LW Raymond, Chapel Hill, NC and Charlotte, NC. Carolinas Medical Center*

Abstract 433

**11:00 PREVENTION OF IN UTERO NICOTINE-INDUCED BONE MARROW MESENCHYMAL STEM CELL (BMMSC) MYOFIBROBLAST DIFFERENTIATION BY AUGMENTING LIPOFIBROBLAST PHENOTYPE.**

*P Guo, E Cruz, K Chap, S Mittal, J Torday and V Rehan, Torrance, CA. LA Biomed*

Abstract 434

**11:15 A NOVEL MECHANISM FOR BLEOMYCIN-INDUCED PULMONARY FIBROSIS: SELECTIVE APOPTOSIS OF BONE MARROW MESENCHYMAL STEM CELL-DERIVED LIPOFIBROBLASTS.**

*E Cruz, K Chap, P Guo, J Torday and V Rehan, Torrance, CA. LA Biomed*

Abstract 435

**Neuroscience II**

Sunset Center, Conductor's Room

*Marie-Francoise Chesselet and Edward Wagner, Presiding*

**8:30 THE BRAIN'S RESPONSE TO TUMORS IN LANGUAGE AREAS: FMRI OF PRESURGICAL PATIENTS.**

*A Alexander-Bloch and S Bookheimer, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 436

**8:45 EFFECT OF GLATIRAMER ACETATE ON EXPERIMENTAL AUTOIMMUNE ENCEPHALOMYELITIS.**

*V Reese, M Kala and F Shi, Tucson, AZ and Phoenix, AZ. University of Arizona College of Medicine (WAFMR)*

Abstract 437

**9:00 MITOXANTRONE RESCUE.**

*A Tu and A Traboulsee, Vancouver, BC, Canada. University of British Columbia*

Abstract 438

**9:15 A NOVEL MURINE MODEL OF PRIMARY DEMYELINATING NEUROPATHY.**

*A Hazel, ME Bathen, W Palispis, LS Rummler, E Strandberg, T Mozaffar and R Gupta, Irvine, CA. University of California, Irvine (WSMRF)*

Abstract 439

**9:30 THE SEARCH FOR TGF-BETA IN APLYSIA.**

*S Lundy, M Habib and J Byrne, Shoreline, WA and Houston, TX. University of Washington (WSMRF)*

Abstract 440

**9:45 DNA MICROARRAY ANALYSIS OF MELANOPSIN-CONTAINING RETINAL GANGLION CELLS.**

*LD Squires and RL Brown, Seattle and Pullman, WA. University of Washington (WSMRF)*

Abstract 441

***10:00 - 10:15 Intermission***

**10:15 NEURAL STEM CELL RESPONSE AND NESTIN DNA METHYLATION STATUS IN NEWBORN RAT BRAINS AFTER INTRAUTERINE GROWTH RESTRICTION.**

*C Fung, X Yu, R McKnight and R Lane, Salt Lake City, UT. University of Utah (WSCI Travel Award Winner)*

Abstract 442

**10:30 ROLE OF BDNF IN DEVELOPMENTAL DESYNCHRONIZATION OF CORTICAL LAYER 2/3 NEURONS.**

*AK Olsavsky, P Golshani, JT Goncalves and C Portera-Cailliau, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 443

**10:45 PRESENCE OF NETRIN-1 RECEPTORS IN POSTNATAL RAT COCHLEA AGED 21 DAYS OR OLDER.**

*A Siddique, E Yamoah and T Xu, Sacramento, CA. University of California, Davis Medical Center*

Abstract 444

**11:00** *State-of-the-Art Speaker*

**AUTISM.**

*David Amaral, University of California, Davis*

**Pulmonary and Critical Care II**

Carmel Women's Club

*Paul Blanc and Thiennu Vu, Presiding*

**8:30 A COMPLICATED CASE OF SECONDARY SPONTANEOUS PNEUMOTHORAX: EARLY RECURRENCE PREVENTION IS KEY.**

*DL Collins and J Huang, California, CA. University of California, San Francisco - Fresno*  
Abstract 445

**8:45 OCTREOTIDE FOR PLEURAL EFFUSIONS IN INFANTS AND CHILDREN FOLLOWING CONGENITAL HEART SURGERY.**

*RN Lee, J McKee, S Cooper, E Petrossian, M MacDonald and R Dimand, Fresno and Madera, CA. University of California, San Francisco - Fresno*

Abstract 446

**9:00 BALLOON DILATION OF COARCTATION OF THE AORTA IN NEONATES WEIGHING  $\leq$  2,500 GRAMS.**

*JC Collazos, A Rothman, A Galindo, WN Evans and H Restrepo, Las Vegas, NV. University of Nevada, School of Medicine*

Abstract 447

**9:15 SIMVASTATIN ATTENUATES ALLERGIC AIRWAY INFLAMMATION AND BRONCHIAL HYPERREACTIVITY.**

*AA Zeki and NJ Kenyon, Sacramento and Davis, CA. University of California, Davis Medical Center (California Thoracic Society and Carmel Scholar Award Winner) (CTS)*

Abstract 448

**9:30 DEPRESSION AND HEALTH-RELATED QUALITY OF LIFE IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE.**

*TA Omachi, PP Katz, EH Yelin, SE Gregorich, C Iribarren, PD Blanc and MD Eisner, San Francisco and Oakland, CA. University of California, San Francisco (California Thoracic Society and Carmel Scholar Award Winner) (CTS)*

Abstract 449

**9:45 ADVERSE EVENTS IN CHILDREN WITH ACUTE ASTHMA DISCHARGED FROM THE HOSPITAL WITH SUPPLEMENTAL OXYGEN: A DESCRIPTIVE STUDY.**

*J Pritchard, B Fassl, G Lattin and F Nkoy, Salt Lake City, UT. University of Utah*

Abstract 450

**10:00 - 10:15 Intermission**

**10:15** *State-of-the-Art Speaker*

**ADVANCES IN LUNG DEVELOPMENT.**

*Thiennu Vu, University of California at San Francisco*

**10:45 ANTIOXIDANT THERAPIES IN CYSTIC FIBROSIS (CF): DOSE DOES MATTER.**

*BM Morrissey, SJ De Cruz, VT Vasu, JS Houghton, KA Hayakawa, CE Cross and JP Eiserich, Sacramento, CA. University of California, Davis*

Abstract 451

**11:00 PROSPECTIVE, RANDOMIZED DOUBLE BLIND STUDY TO TEST VITAMIN A TREATMENT IN PATIENTS WITH SEPSIS.**

*K Osea and JA Tayek, Torrance, CA. Harbor-UCLA (WAFMR)*

Abstract 452

**11:15 LIPOPOLYSACCHARIDE-INDUCED LUNG INJURY IS INDEPENDENT OF ALVEOLAR EPITHELIAL CASPASE ACTIVATION IN MECHANICALLY VENTILATED MICE.**

*B U'Ren, S Gil, A Farnand and G Matute-Bello, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 453

**Surgery II**

Sunset Center, Green Room

*Erik Skarsgard and John Masterson, Presiding*

**8:30 EFFECTIVENESS OF THE PAIN PUMP FOR POSTOPERATIVE PAIN MANAGEMENT IN CHILDREN WITH CEREBRAL PALSY.**

*S Recktenwall-Work, K Muthusamy, RM Friesen, J Zuk, J Gralla, NH Miller, JL Galinkin and FM Chang, Aurora, CO. The Children's Hospital*

Abstract 454

**8:45 REFERENCE ACCURACY AND ITS ASSOCIATION WITH IMPACT FACTOR IN THE GENERAL SURGERY LITERATURE.**

*J Awrey, K Inaba, G Barmparas, G Recinos, P Teixeira, B Schnueriger, L Chan and D Demetriades, Los Angeles, CA. University of Southern California*

Abstract 455

**9:00 THE SIZE OF BOVINE JUGULAR VENOUS CONDUITS IN RIGHT VENTRICULAR RECONSTRUCTION DOES NOT AFFECT OUTCOME OR LONGEVITY.**

*SJ Co, A Jeewa and AI Campbell, Vancouver, BC, Canada. The University of British Columbia*

Abstract 456

**9:15 NOVEL IN VITRO MODEL FOR THE STUDY OF EPITHELIAL CELL INJURY DUE TO URETERAL STENTS.**

*C Elwood, D Lange, S Seeney, B Chew, K Summers, J Denstedt and P Cadieux, Vancouver, BC, Canada and London, ON, Canada. University of British Columbia (WSMRF)*

Abstract 457

**9:30 A BIOMIMETIC SENSATE SCAFFOLD MEASURES LOADING IN A KNEE JOINT.**

*MD Montague, CP Geffre, CF Gainer and JA Szivek, Tucson, AZ. University of Arizona College of Medicine (WAFMR)*

Abstract 458

**9:45 INDOLEAMINE 2,3-DIOXYGENASE: A NOVEL IMMUNOSUPPRESSANT FOR TRANSPLANTATION.**

*HG Cheng and GS Lipshutz, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 459

***10:00 - 10:15 Intermission***

**10:15 ARTERIAL ALLOGRAFT ALLOWS IN-LINE RECONSTRUCTION OF PROSTHETIC GRAFT INFECTION WITH A LOW RECURRENCE RATE AND MORTALITY.**

*A Chau, A Vardanian, W Quinones-Baldrich and P Lawrence, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 460

**10:30 A SYSTEMATIC REVIEW OF SIMULATION-BASED VALIDATION STUDIES IN SURGERY.**

*S Van Nortwick, S Kim and A Jensen, Seattle, WA. University of Washington (WSMRF)*

Abstract 461

**10:45 NEW TEST FOR EVALUATING ACUTE ULNAR COLLATERAL LIGAMENT INJURIES OF THE THUMB.**

*A Medoro, D Mercer, K Firoozbakhsh and J Veitch, Albuquerque, NM. University of New Mexico*

Abstract 462

**11:00 IN VIVO CONFOCAL ENDOMICROSCOPY OF BLADDER TUMORS.**

*S Jones, GA Sonn, K Jensen and JC Liao, Palo Alto, CA. Stanford University (WSMRF)*

Abstract 463

**11:15 FAMILIAL IDIOPATHIC SCOLIOSIS IN MALES: LOCALIZATION TO CHROMOSOME 22Q.**

*JH Dunn, N Hadley-Miller, S Cook, K Swindle, B Marosy, C Justice and AF Wilson, Aurora, CO and Baltimore, MD. University of Colorado Denver School of Medicine*

Abstract 464

**11:30 RADIOGRAPHIC OUTCOMES OF THE DLIF/XLIF TECHNIQUE IN COMPARISON TO OTHER FUSION TECHNIQUES FOR THE TREATMENT OF DEGENERATIVE LUMBAR SCOLIOSIS.**

*N Patel, G Regev, W Taylor, Y Lee, S Garfin and C Kim, La Jolla, CA. University of California, San Diego School of Medicine*

Abstract 465

**11:45 POLYMETHYLMETHACRYLATE PARTICLE-INDUCED SUPPRESSION OF OSTEOPROGENITOR DIFFERENTIATION INVOLVES INHIBITION OF RUNX2, OSTERIX, DLX5, AND  $\beta$ -CATENIN EXPRESSION.**

*R Chiu, RL Smith and S Goodman, Stanford, CA. Stanford University School of Medicine (WSMRF)*

Abstract 466

**STUDENT SCIENTIFIC SESSION X**

**Surgery**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*Church of the Wayfarer, Carlson Hall*

**8:30 AM – 12:00 PM**  
**Saturday, January 31, 2009**

*Wiley Chung, Presiding*

- 8:30 SURGICAL DURABILITY OF ELECTROSPUN POLYCAPROLACTONE SCAFFOLDS COMPARED WITH SMALL INTESTINAL SUBMUCOSA.**  
*MY Cho, A Kundu, A Gamboa, J Abraham, M Louie, G Box, D Tyson and R Clayman, Orange, CA. University of California, Irvine*  
Abstract 467
- 8:45 CLINICAL AND HEMODYNAMIC ASSESSMENT OF THE HANCOCK II BIOPROSTHESIS IN THE ELDERLY.**  
*CE Berberian, RG Cohen, MJ Cunningham and VA Starnes, Los Angeles, CA. Keck School of Medicine, University of Southern California (WSMRF)*  
Abstract 468
- 9:00 SURGERY FOR SCOLIOSIS IN DUCHENNE MUSCULAR DYSTROPHY: A COMPARISON OF TWO SURGICAL TECHNIQUES.**  
*B Boice, R Roberto, H Hwang, A Skalsky, K Mitsunaga and A Fritz, Sacramento, CA. University of California, Davis (WSMRF)*  
Abstract 469
- 9:15 MUSCLE ARCHITECTURE AND BIOMECHANICS OF THE FLEXOR POLLICIS BREVIS SUPERFICIAL AND DEEP HEAD.**  
*CE Walker, JE Duarte, R Chang, A Kwan, M Butts, M Meunier and SR Ward, Tucson, AZ; La Jolla, CA and Orlando, FL. University of Arizona College of Medicine (WAFMR)*  
Abstract 470
- 9:30 LONG TERM FOLLOW-UP OF IDIOPATHIC TOE WALKERS.**  
*A Merali, A Perdios, A Black, V Ward and R Beauchamp, Vancouver, BC, Canada. University of British Columbia*  
Abstract 471
- 9:45 INITIATION OF A PEDIATRIC ROBOTIC SURGERY PROGRAM AND CASE-CONTROL ANALYSIS OF ROBOTIC URETERAL REIMPLANTATION.**  
*MH Johnson, M Sorenson, C Delostrinos, R Grady and T Lendvay, Seattle, WA. University of Washington School of Medicine (WSMRF)*  
Abstract 472

*10:00 - 10:15 Intermission*

**10:15 THE LONG TERM FOLLOW UP OF SUPRACONDYLAR FRACTURES OF THE HUMERUS: THE FUNCTIONAL OUTCOME GREATER THAN 10 YEARS AFTER INJURY.**

*A Dobbe, G Noble, C Blewett, A Perdios, F Miyanji, CW Reilly and K Mulpuri, Vancouver, BC, Canada. University of British Columbia*

Abstract 473

**10:30 THE LONG TERM FOLLOW UP OF SUPRACONDYLAR FRACTURES OF THE HUMERUS: THE CLINICAL AND RADIOGRAPHIC OUTCOMES GREATER THAN 10 YEARS.**

*G Noble, A Dobbe, C Blewett, A Perdios, F Miyanji, K Mulpuri and CW Reilly, Vancouver, BC, Canada. University of British Columbia*

Abstract 474

**10:45 SUCCESS AND COMPLICATIONS OF 729 PERCUTANEOUS NEPHROLITHOTOMIES FROM A SINGLE CENTRE.**

*R Chiu, B Chew, R Hamidizadeh, S Chan, I Wright, R Masson, C Zwirewich, V Rowley and R Paterson, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 475

**11:00 PROLIFERATIVE EFFECTS OF MULTIPLE GROWTH FACTORS ON MOUSE BONE MARROW MESENCHYMAL STEM CELLS: IMPLICATIONS FOR ENGINEERING ANTERIOR CRUCIATE LIGAMENT GRAFTS.**

*B Bluth, M Eagan, K Zhao, B Wu and D McAllister, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 476

**11:15 A COMPREHENSIVE ASSESSMENT OF OUTCOMES AFTER LAPAROSCOPIC ANTIREFLUX SURGERY.**

*KC Ma, RV Soares, MI Montenovio, JM Oca, CA Pellegrini and BK Oelschlager, Seattle, WA. University of Washington (WSMRF)*

Abstract 477

**11:30 A NEW TISSUE-POLYMER HYBRID DRUG DELIVERY SYSTEM FOR ARTIFICIAL CORNEAS.**

*RT Barrett, S Garty, D Lam, R Shirkawa, B Ratner and T Shen, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 478

**11:45 MODIFIED LAPAROSCOPIC TOTALLY EXTRAPERITONEAL INGUINAL HERNIA REPAIR REDUCES OPERATIVE AND RECOVERY TIMES RELATIVE TO OPEN MESH REPAIR.**

*DT Muramoto, RP Tatum, PC Wu and LA Langdale, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 479

**12:00 DOES THE MODE OF POST-OPERATIVE OPIOID INFUSION AFFECT PATIENT OUTCOME AFTER SURGICAL CORRECTION OF ADOLESCENT IDIOPATHIC SCOLIOSIS?**

*G Lennox, G Lauder, C Court, M Dosani, C Blewett, A Perdios and CW Reilly, Vancouver, BC, Canada. BC Children's Hospital*

Abstract 480

**STUDENT SCIENTIFIC SESSION XI**

**Surgery**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

*Sunset Center – Bingham Room #3*

**8:30 AM – 12:00 PM**  
**Saturday, January 31, 2009**

*Jordan Sand, Presiding*

**8:30 THE KONNO PROCEDURE FOR LEFT VENTRICULAR OUTFLOW TRACT OBSTRUCTION IN PEDIATRIC PATIENTS.**

*J Linam, L Permut, D McMullan, A Morscheck and G Cohen, Seattle, WA. Seattle Children's (WSMRF)*

Abstract 481

**8:45 CURRENT PRACTICES AND VARIATION IN THE TREATMENT OF INJURIES IN NCAA DIVISION I COLLEGE FOOTBALL PLAYERS.**

*S Cook, E McCarty, P Langner, J Gines and J Godfrey, Aurora, CO. University of Colorado Denver School of Medicine*

Abstract 482

**9:00 COMPLICATION RATES OF INTRAMEDULLARY NAILING OF TIBIA SHAFT FRACTURES IN DIABETIC PATIENTS.**

*J Dupree, L Taitsman and J Krieg, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 483

**9:15 DELAYED POST-OPERATIVE NEUROLOGIC COMPLICATION IN A PATIENT WITH CONGENITAL KYPHOSIS: RELIEVED AFTER A NOVEL REVISION TECHNIQUE MADE POSSIBLE BY A FOUR-ROD CONSTRUCT.**

*P Javidan, G Mundis, P Salari and B Akbarnia, La Jolla, CA and Irvine, CA. San Diego Center for Spinal Disorders*

Abstract 484

**9:30 PREDICTING THE LIKELIHOOD FOR SURGICAL INTERVENTION IN**

**NEONATAL NECROTIZING ENTEROCOLITIS USING A BAYESIAN NETWORK MODEL.**

A Wong, TH Pham, P Lavoie, R Sherlock, E Skarsgard and GK Blair, Vancouver, BC, Canada. *University of British Columbia (WSMRF)*

Abstract 485

**9:45 VIDEO-ASSISTED THORACIC SURGERY AS A SAFE ALTERNATIVE FOR THE RESECTION OF PULMONARY METASTASES: A RETROSPECTIVE COHORT STUDY.**

M Carballo, MS Maish, DE Jaroszewski and EC Holmes, Los Angeles, CA and Phoenix, AZ. *David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 486

**10:00 - 10:15 Intermission**

**10:15 ANATOMY OF IRREDUCIBLE METACARPOPHALANGEAL DISLOCATION.**

A Medoro, A Afifi, C Salas, M Taha and T Cheema, Albuquerque, NM. *University of New Mexico*

Abstract 487

**10:30 RATE OF PSEUDARTHROSIS IN PATIENTS WITH ANTERIOR CERVICAL DISCECTOMY AND FUSION.**

S Desai, P Ge, S Daffner and J Wang, Pomona and Santa Monica, CA. *Western University of Health Sciences (WSMRF)*

Abstract 488

**10:45 REGIONAL VARIATION AND TRENDS IN ANTERIOR CERVICAL DISCECTOMY AND FUSION.**

PS Ge, SD Daffner, HJ Hymanson and JC Wang, Los Angeles, CA and Morgantown, WV. *David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 489

**11:00 DESIGN AND VALIDATION OF A HIP JOINT FATIGUE TEST FRAME FOR THE BIOMECHANICAL EVALUATION OF HIP FRACTURE CONSTRUCTS.**

JS Roth, D Shearer, A Johnson, L Zirkle, P LaBarre, A Tencer, B Van Lew and D Harvey, Seattle, Vashon, and Richland, WA. *PATH (WSMRF)*

Abstract 490

**11:15 EARLY EXPERIENCE OF THE MARGRON FEMORAL STEM IN TOTAL HIP ARTHROPLASTY AT GREATER LOS ANGELES VETERAN'S ADMINISTRATION HOSPITAL.**

K Nwosu and B Bengs, Los Angeles, CA. *David Geffen School of Medicine at UCLA*

Abstract 491

**11:30 SUSTAINED RELEASE OF LYSOPHOSPHATIDIC ACID FROM POLY (LACTIDE-CO-GLYCOLIDE) SCAFFOLDS FOR ENHANCED OSTEOGENESIS.**

HE Davis and J Leach, Davis, CA. *University of California, Davis (WSMRF)*

Abstract 492

**11:45 VARIATIONS IN OUTCOMES OF TOTAL KNEE REPLACEMENTS.**

*DM Nagrampa, N Soohoo, E Tang, L Krenek, M Eagan, L Kwong, M Brambila, J Veer and B Gurbani, Los Angeles, Santa Monica, and Torrance, CA. Charles Drew University of Medicine and Science*

Abstract 493

**STUDENT SCIENTIFIC SESSION XII**

**Morphogenesis**

**WESTERN STUDENT MEDICAL RESEARCH FORUM**

**Sunset Center – Rehearsal Room**

**8:30 AM – 12:00 PM  
Saturday, January 31, 2009**

*Raja Sivamani, Presiding*

**8:30 CAROTID IMT: COMPARING ANALOG AND RADIO FREQUENCY MEASUREMENTS.**

*A Vijayasarithi and SJ Goldberg, Tucson, AZ. University of Arizona College of Medicine (WAFMR)*

Abstract 494

**8:45 THE EFFECTS OF MUSCLE PARALYSIS ON TIBIAL BONE MORPHOMETRY AT ONE MONTH AND ONE YEAR IN SKELETALLY MATURE RATS.**

*M Wright and T Gross, Seattle, WA. University of Washington School of Medicine (WSMRF)*

Abstract 495

**9:00 BONY CT SCAN CHANGES ASSOCIATED WITH IMPROVEMENT IN SLEEP APNEA IN PATIENT UNDERGOING LEFORT III DISTRACTION.**

*R Ettinger, R Hopper, J Perkins and Y Kifle, Seattle, WA. University of Washington (WSMRF)*

Abstract 496

**9:15 CHARACTERIZATION OF LYMPHOID AGGREGATES FOUND IN LYMPHATIC MALFORMATIONS USING IMMUNOHISTOCHEMISTRY.**

*EE Hankinson, A Kirsch, J Perkins and E Chen, Seattle, WA. University of Washington (WSMRF)*

Abstract 497

**9:30 AORTIC ROOT DILITATION IN A CHILD WITH MICRODELETION 17Q21.31 SYNDROME.**

*RL Klein and MC Jones, San Diego, CA. University of California, San Diego (WSPR)*  
Abstract 498

**9:45 DIABETES AND HYPERTENSION PREVALENCE 20 YEARS FOLLOWING EXTRACORPOREAL SHOCKWAVE LITHOTRIPSY (ESWL).**

*CM Sutton, RK Masson, SH Chan, R Hamidizadeh, JK Lee, VA Rowley, K Afshar, RF Paterson, C Zwirewich and BH Chew, Vancouver, BC, Canada. University of British Columbia (WSMRF)*

Abstract 499

***10:00 - 10:15 Intermission***

**10:15 PROGRAMMED CELL DEATH-1 INTERACTION WITH PROGRAMMED CELL DEATH LIGAND REGULATES NEURONAL CELL DEATH IN THE MOUSE RETINA.**

*NM Gandhi, C Sham, L Chen, X Yang, AH Sharpe, G Freeman, J Braun and L Gordon, Los Angeles, CA and Boston, MA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 500

**10:30 MOUSE MODEL OF MULTIPLE SCLEROSIS.**

*CM Biggs and HL Atkins, Ottawa, ON, Canada and Vancouver, BC, Canada. Ottawa Health Research Institute (WSMRF)*

Abstract 501

**10:45 CHARACTERISTICS OF SLEEP DISTURBANCE AMONG ORTHOPEDIC PATIENTS DURING POST-ACUTE REHABILITATION.**

*D Patel, JL Martin and C Alessi, Pomona, CA and Los Angeles, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific*

Abstract 502

**11:00 A REVIEW OF THE ROLE OF VITAMINS IN PHOTOAGING.**

*J Ahdout, J Zussman and J Kim, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)*

Abstract 503

**RESIDENTS' FORUM**

***Sunset Center – Carpenter Hall***

**9:00 AM – 11:45 AM  
Saturday, January 31, 2009**

*Brian Jonas and Suma Shankar, Presiding*

**9:00 PEDIATRIC RESIDENT ATTENDANCE AT DELIVERIES.**

*R Chitkara, H Lee and S Hintz, Palo Alto and San Francisco, CA. Stanford University*

Abstract 504

**9:15 PERCUTANEOUS CORONARY INTERVENTION OF LEFT MAIN CORONARY ARTERY DISEASE IN PATIENTS WITH HIGH SURGICAL RISK.**

*M Shanmugasundaram, J John, Y Huang, T Hagerty, R Arsanjani and H Thai, Tucson, AZ. Sarver Heart Center, University of Arizona (WSMRF)*

Abstract 505

**9:30 GLOBAL HEALTH INITIATIVES: VALUE AND RELEVANCY TO RESIDENCY TRAINING.**

*S Moodley, RM Hurley, J Druker, WG Cannon, AJ Macnab and A Kasanagaki, Vancouver, BC, Canada and Kampala, Uganda. University of British Columbia (WSMRF)*

Abstract 506

**9:45 DRUG SUSCEPTIBILITY TRENDS AMONG COMMUNITY ACQUIRED AND HOSPITAL ACQUIRED SOFT TISSUE INFECTIONS.**

*AD Kirk, S Mirhosseini and B Afghani, Orange, CA. University of California, Irvine (WSMRF)*

Abstract 507

**10:00 MANAGEMENT OF LIVER ABSCESS IN THE NEONATE.**

*A Weiner, DA Gremse and P Patamasucon, Las Vegas, NV. University of Nevada School of Medicine*

Abstract 508

*10:15 - 10:30 Intermission*

**10:30 LOW ALBUMIN/GLOBULIN RATIO AS A RISK FACTOR FOR THE OCCURRENCE OF CORONARY ARTERY DISEASE.**

*S Puttaswamy, H Bhakthavatsalam, P Singh and S Sinnapunayagam, Brooklyn, NY. Coney Island Hospital*

Abstract 509

**10:45 PERMANENT PACEMAKERS IN HEART TRANSPLANT PATIENTS.**

*B Kim, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA*

Abstract 510

**11:00 MUSIC INSPIRES HEALTH: MULTIMEDIA AND HIV/STI PREVENTION.**

*BH Levy, E Wershba and EJ Levy, Tucson and Phoenix, AZ and Atlanta, GA. University of Arizona (WSMRF)*

Abstract 511

**11:15 LUCIO'S PHENOMENON COMPLICATED BY PULMONARY TB.**

*VD Hernandez, S Huerta and J Cisneros, Durango, Mexico and Dallas, TX. University Juarez of Durango*

Abstract 512

**11:30 QUALITATIVE ASSESSMENT OF FACTORS AFFECTING FRUIT AND**

**VEGETABLE INTAKE AMONG ADOLESCENTS AT RISK OF FOOD INSECURITY.**

*J Ng and KC Harris, Vancouver, BC, Canada. BC Children's Hospital*

Abstract 513

**CALIFORNIA THORACIC SOCIETY – SESSION II**

*Carmel Women's Club*

**1:30 PM – 5:15 PM**  
**Saturday, January 31, 2009**

**CTS MASTER CLINICIAN LECTURE**

*Russell C. Klein, Planning, Chair*

**1:30 PULMONARY EMBOLISM**

*Timothy A. Morris, University of California, San Diego Medical Center*

**INHALATIONAL INJURIES IN THE WORKPLACE**

**2:15 FELLOW CASE PRESENTATION**

*Eric J. Seeley, University of California, San Francisco*

**2:45 FACULTY EXPERT**

*John R. Balmes, University of California, Berkeley*

**3:30 BREAK**

**PULMONARY AND CRITICAL CARE COMPLICATIONS OF BONE MARROW TRANSPLANTS**

**3:45 FELLOW CASE PRESENTATION**

*Amit Gohil, Stanford University*

**4:15 FACULTY EXPERT**

*Norman W. Rizk, Stanford University*

**5:00 WRAP-UP AND CONCLUSIONS**

**5:15 ADJOURNMENT**

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