

WESTERN REGIONAL MEETING AT A GLANCE

Carmel, California
January 27–30, 2010

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

TIME	ACTIVITY & LOCATION
WEDNESDAY, JANUARY 27, 2010	
1:00 pm–5:00 pm	Faculty and Fellow Registration Entry Lobby – Sunset Center
2:00 pm–5:00 pm <i>CME certified</i>	Bad Bugs; No Drugs <i>Sponsored by WAP</i> Sunset Center – Carpenter Hall
5:00 pm–5:30 pm	WAP Business Meeting Sunset Center – Carpenter Hall
5:30 pm–7:00 pm	Welcoming Cocktail Party <i>Jointly sponsored by</i> WAFMR, WAP, WSCI, and WSPR Carmel Women’s Club
THURSDAY, JANUARY 28, 2010	
8:00 am–5:00 pm	Faculty and Fellow Registration Pacific Repertory Theater – Golden Bough
2:00 pm–5:00 pm	Student and Resident Registration Pacific Repertory Theater – Golden Bough
8:30 am–12:00 pm <i>CME certified</i>	Joint Plenary Session I WAFMR, WSCI, WAP, and WSPR The Good, the Bad, and the Ugly in Microorganisms WSPR Stanley Wright Memorial Lecture WAP Distinguished Lectureship WSCI Mayo Soley Award Pacific Repertory Theater – Golden Bough
12:15 pm–1:15 pm	Investigator Workshops <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i> Sunset Center – Bingham #3 Navigating your Academic Career: Getting on Course and Staying on Course Patrice Eiff, <i>Oregon Health & Science University</i> Sunset Center – Chapman #4 Successful Careers in Academic Medicine: Mastering the Tools to Start a Lab, Fund it and Run it! Jane EB Reusch, <i>University of Colorado Health Science Center</i>
1:45 pm–4:15 pm <i>CME certified</i>	Joint Plenary Session II WAFMR, WSCI, WAP, and WSPR WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award WSPR Abbott Nutrition Lowell Glasgow Student Research Award WSPR Abbott Nutrition Young Investigator Research Award E.E. Osgood Award WAFMR Outstanding Investigator Award WSCI Outstanding Investigator Award Pacific Repertory – Golden Bough
4:15 pm–5:00 pm	WSCI Business Meeting Pacific Repertory Theater – Golden Bough
4:15 pm–5:00 pm	WSPR Business Meeting Pacific Repertory Theater – Golden Bough
5:00 pm–6:00 pm	Developmental Biology Club Church of the Wayfarer
6:00 pm–8:00 pm	Student Subspecialty Award Session: Posters, Pizza and Beer Monterey Beach Hotel – La Grande Room <i>All welcome and encouraged to attend</i>

6:00 pm–9:00 pm	Cardiovascular Club Il Forniao, Ocean Room – Pine Inn
6:00 pm–9:00 pm	West Coast Endocrine Club LaPlaya Hotel – Carmel Room
FRIDAY, JANUARY 29, 2010	
7:00 am–8:00 am	Breakfast-with-the-Investigator Monterey Beach Hotel – Captain’s Table
8:00 am–5:00 pm	Faculty and Fellow Registration Entry Lobby – Sunset Center Student and Resident Registration Entry Lobby – Sunset Center CTS Credit Sign In Registration Carmel Women’s Club
8:30 am–12:00 pm <i>CME certified</i>	Concurrent Sessions Behavior and Development – Bingham #3, Sunset Center Cardiovascular I – Il Forniao – Ocean Room, Pine Inn Community Health – LaPlaya Hotel, Carmel Room 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>	Student Scientific Session I Adolescent Med-Gen/Pediatrics/Neuroscience Chapman #4, Sunset Center
8:30 am–12:00 pm <i>CME certified</i>	Student Scientific Session II Community Health LaPlaya Hotel – Poseidon Room
8:30 am–12:00 pm <i>CME certified</i>	Student Scientific Session III Developmental Biology/Neonatology/Morphogenesis Carpenter Hall, Sunset Center
12:00 pm–1:30 pm	Society Officers Planning Luncheon Meeting <i>(invited attendees only)</i> La Playa Hotel
12:15 pm–1:15 pm	Investigator Workshops <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i> Sunset Center – Bingham #3 Navigating your Academic Career: Getting on Course and Staying on Course Patrice Eiff, <i>Oregon Health & Science University</i> Sunset Center – Chapman #4 Successful Careers in Academic Medicine: Mastering the Tools to Start a Lab, Fund it and Run it! Jane EB Reusch, <i>University of Colorado Health Science Center</i>
1:30 pm–5:00 pm <i>CME certified</i>	Concurrent Sessions Adolescent Medicine and General Pediatrics – Carpenter Hall, Sunset Center Cardiovascular II – Il Forniao – Ocean Room, Pine Inn Gastroenterology and Hepatology – Green Room, Sunset Center Health Care Research II – Promenade Lobby, Sunset Center Immunology and Rheumatology I – Studio 105, Sunset Center Infectious Diseases – Room #6, Sunset Center Morphogenesis and Malformations – Rehearsal Room, Sunset Center Neonatology General II – All Saints Church Auditorium Nephrology and Hypertension – Conductor’s Room, Sunset Center
1:30 pm–5:15 pm	
1:30 pm–5:15 pm	
1:30 pm–5:00 pm <i>CME certified</i>	Student Scientific Session IV Health Care Research/Surgery LaPlaya – Carmel Room
1:30 pm–3:45 pm <i>CME certified</i>	Student Scientific Session V Cardiology LaPlaya – Poseidon Room

1:30 pm–4:45 pm <i>CME certified</i>	Student Scientific Session VI Community Health International Bingham #3, Sunset Center
1:00 pm–4:45 pm <i>CME certified</i>	Student Scientific Session VII Community Health Carlson Hall, Church of the Wayfarer
1:30 pm–4:45 pm <i>CME certified</i>	Student Scientific Session VIII Surgery Chapman #4, Sunset Center
1:30 pm–5:00 pm	California Thoracic Society – Session I Carmel Women's Club
5:30 pm–7:30 pm	Dysmorphology Club Carpenter Hall – Sunset Center
6:00 pm–9:00 pm <i>CME certified</i>	Carmel Scholar Award Event <i>(Jr. Faculty/Fellows and their Mentors by invitation only)</i> Sunset Center
6:00 pm–9:00 pm <i>CME certified</i>	Western Metabolism Club Bingham #3 – Sunset Center
6:00 pm–9:00 pm	CTS Social Hour and Dinner <i>“in the tradition of the Western Respiratory Club Dinner”</i> La Playa Hotel
6:30 pm–9:00 pm	Western Kidney Club Il Forniao, Ocean Room – Pine Inn
SATURDAY, JANUARY 30, 2010	
7:00 am–8:00 am	Breakfast-with-the-Investigator Monterey Beach Hotel – Captain's Table
8:00 am–12:00 pm	Faculty and Fellow Registration Entry Lobby – Sunset Center Student and Resident Registration Entry Lobby – Sunset Center
1:15 pm–1:30 pm	CTS Registration Carmel Women's Club
8:30 am–12:00 pm <i>CME certified</i>	Concurrent Sessions Cardiovascular III – Il Forniao – Ocean Room, Pine Inn Endocrinology II – Room #6, Sunset Center General Internal Medicine and Aging – Promenade Lobby, Sunset Center Hematology and Oncology II – Studio 105, Sunset Center Immunology and Rheumatology II – Chapman #4, Sunset Center Neonatal Pulmonary II – All Saints Church, Sanctuary Neonatology Developmental Biology – All Saints Church, Auditorium 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>	Student Scientific Session IX Behavior and Development/Community Health Carlson Hall, Church of the Wayfarer
8:30 am–12:00 pm <i>CME certified</i>	Student Scientific Session X Community Health/Infectious Disease/Nephrology/Metabolism, Lipids and Diabetes Sunset Center – Bingham #3
8:30 am–12:00 pm <i>CME certified</i>	Student Scientific Session XI Surgery Sunset Center – Rehearsal Room
8:30 am–11:00 am <i>CME certified</i>	Residents' Forum Carpenter Hall, Sunset Center
12:30 pm–2:30 pm	Residents' Luncheon Invited Speaker: Bruce D. Blumberg, MD Carpenter Hall, Sunset Center
1:30 pm–5:30 pm	California Thoracic Society – Session II Carmel Women's Club
5:00 pm–6:30 pm	WSMRF Committee Meeting Monterey Beach Hotel – Captain's Table
6:30 pm–9:00 pm	Western Student Medical Research Forum Awards Banquet Invited Speaker: Louis M. Staudt, MD, PhD Monterey Beach Hotel – Points Ballroom

The sessions that are certified for *AMA PRA Category 1 Credit™* are noted on the Program-at-a-Glance page. Registration for *AMA PRA Category 1 Credit™* is available on-line or at the Registration Desk in the Sunset Center for \$65.00. Prior to departure, you will need to fill out the Verification Form for *AMA PRA Category 1 Credit™* and return it to the Registration Desk in order to receive your CME certificate.

TULANE UNIVERSITY HEALTH SCIENCES CENTER

STATEMENT OF NEED

With the introduction of new and resistant organisms into the population, the internal medicine, family practitioners and pediatricians continue to be the first lines of defense for patients presenting with possible manifestations of diseases. Clinical guidelines are changing along with the ever-increasing research to determine epidemiology, diagnosis criteria, effectiveness of treatment, contraindications of new drugs and long-term prognoses. Children are increasingly presenting with diseases which used to be seen in "old age." The progression of these diseases differs in children from adults and pediatricians and family practitioners are on the front line in areas of diagnosis and effective management of long-term challenges. While awareness, prevention and treatment paradigms exist, we continue to see increases in these diseases in the pediatric population.

The missions of the organizations which make up the Western Regional Meeting are to foster translational and clinical research from young investigators and provide a forum in which this research can be successfully submitted, discussed, debated and improved within respectful interactions with peers and mentors.

OVERVIEW AND OBJECTIVES

The Western Regional Meeting provides a forum for the dissemination of translational and clinical research of young investigators as well as addresses the timely issues of health challenges in the general population.

TARGET AUDIENCE

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

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

1. Identify the appropriate guidelines which apply to the microorganisms presenting in the population.
2. Critically evaluate the evidence-based data from clinical trials, best practices, registry data, guidelines and possible treatment alternatives which may affect the treatment parameters of patient's presenting with infectious diseases.
3. Evaluate the current research from young investigators in the subspecialty areas.
4. Discuss the future development possible from current research trends and mentoring with colleagues and students.

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 17.75 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Tulane University Health Sciences Center presents this activity for educational purposes only and does not endorse any product, content of presentation or exhibit. Participants are expected to use their own expertise and judgment while engaged in the practice of medicine. The content of the presentations is provided solely by presenters, who have been selected because of their recognized expertise.

PROCEDURE FOR CLAIMING *AMA PRA CATEGORY 1 CREDIT™*: To receive the appropriate number of *AMA PRA Category 1 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 *AMA PRA Category 1 Credits™* available each day is noted on the verification form. Program hours that run simultaneously or overlap are not included in the total credits available each day.

TULANE DISCLOSURE POLICY

It is the policy of the Center for Continuing Education at Tulane University Health Sciences Center to plan and implement all of its educational activities in accordance with the ACCME's Essential Areas and Policies to ensure balance, independence, objectivity

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

CARMEL AFMR SCHOLARS PROGRAM

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

ACKNOWLEDGEMENTS

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

Abbott Nutrition
American Medical Association Foundation
Centocor Pharmaceuticals
Cubist
California Thoracic Society
Genzyme
Ikaria
Mead Johnson Nutrition
National Institutes of Health Clinical Research Training Program
Sarnoff Cardiovascular Research Foundation

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

Margaret Adam	Peter Ganz	Devon Neale
Sharon Adler	David Gilbert	Stephanie Page
Bradley Anawalt	Paul Gorman	Shrena Patel
Tony Bass	Mary Gray	De-Ann Pillers
F. Curt Bennett	Betsy Haney	Kate Rauen
William Bennett	William Hay	Beate Ritz
Michel Boivin	Karen Herbst	William Robinson
Cora Breuner	David Hickam	David Roesel
Mark Burge	Priscilla Hsue	Katja Ruh
Maria Chesselet	Louanne Hudgins	Beatrice Saviola
Mitch Cohen	John Inadomi	Gary Schiller
Kathleen Colleran	Dave Kaplan	Kathryn Schuff
David Daikh	Donald Kohan	Raj Sehgal
Laurel Desnick	Alberta Kong	Istven Seri
Rochelle Dicker	Antonio LaCava	Akshay Sood
Daniel Douer	James Leggett	Fernando Velayos
David Ellison	Vedang Londhe	Joseph Vinetz
Elihu Estey	Cindy McEvoy	David Viskochil
Heidi Feldman	Marguerite McNeely	Edward Wagner
Stephan Fihn	Allen Merritt	Michael West

SPECIALTY ANNOUNCEMENTS
Thursday, January 28, 2010

DEVELOPMENTAL BIOLOGY CLUB

5:00 PM
Church of the Wayfarer

David W. Smith Memorial Lecture
WNT Signalling in Development and Homeostasis

Featured Speaker: Matthew L. Warman, *Children's Hospital Boston*

Contact person: David Rimoin

Sponsored by Mead Johnson Nutrition

CARDIOVASCULAR CLUB

6:00 PM
Il Forniao – Pine Inn
Topic and speaker: TBD

WEST COAST ENDOCRINE CLUB

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

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

Antithyroid Drugs: New Insights and New Concerns

Featured Speaker: Scott Rivkees, *Yale University School of Medicine*

Wine, Cheese and Light Refreshments

Supported by an unrestricted educational grant from Corcept and Novo Nordisk

Friday, January 29, 2010

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 2010 Robert H. Williams-Rachmiel Levine Award

Recipient: Carl Grunfeld, *University of California, San Francisco*

WESTERN PERINATAL CLUB

6:00 PM–9:30 PM
Carmel Room – La Playa Hotel

Perinatal Briefing

Epo Neuroprotection for Newborns: Rites of Passage

Featured Speaker: Sandra Juul, *University of Washington*

Supported by Mead Johnson Nutrition

WESTERN KIDNEY CLUB

6:30 PM

Il Forniao – Pine Inn

A New Approach to Hyponatremia Treatment

Featured Speaker: Minhtri K. Nguyen, Ronald Reagan UCLA Medical Center

WESTERN ASSOCIATION OF PHYSICIANS

Sunset Center – Carpenter Hall

Wednesday, January 27, 2010

2:00 PM–5:00 PM

BAD BUGS; NO DRUGS

David Gilbert and Virginia Broudy, Presiding

- 2:00 INTRODUCTION**
- 2:15 BAD BUGS; NO DRUGS – WHERE HAVE WE BEEN, WHERE ARE WE NOW, AND WHERE ARE WE GOING?**
Brad Spellberg, David Geffen School of Medicine at UCLA and Harbor-UCLA Medical Center
- 3:00 BREAK**
- 3:15 MRSA VIRULENCE FACTORS AND NEW TARGETS FOR TREATMENT.**
Henry (Chip) F. Chambers, San Francisco General Hospital and University of California, San Francisco
- 4:00 FUNGAL INFECTIONS – NOT ALL BAD BUGS ARE BACTERIA.**
John E. Edwards, Jr., Harbor-UCLA Medical Center and David Geffen School of Medicine at UCLA
- 4:45 DISCUSSION**
- 5:00 ADJOURN**
- 5:00 WESTERN ASSOCIATION OF PHYSICIANS BUSINESS MEETING**
- 5:30 JOINT SOCIETY RECEPTION**

JOINT PLENARY SESSION I

THE GOOD, THE BAD, AND THE UGLY IN MICROORGANISMS

**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 28, 2010

Hal Yee and David Gilbert, Presiding

- 8:30 WAP DISTINGUISHED LECTURESHIP
HOW BACTERIA LOOK AT THE WORLD.**
Stanley Falkow, Stanford University School of Medicine
- 9:15 WSPR STANLEY WRIGHT MEMORIAL LECTURE
FORTY YEARS IS LONG ENOUGH: AT LAST, GOOD NEWS ABOUT PROSPECTS FOR A CYTOMEGALOVIRUS
VACCINE.**
Mark R. Schleiss, University of Minnesota

10:00–10:15 Intermission

- 10:15 THE MICROBIOME – WHY YOU SHOULD CARE?**
David Relman, Stanford University School of Medicine

11:00 WSCI MAYO SOLEY AWARD**Presenter:** Robert Schrier**Recipient:** Robert Eckel, *University of Colorado Denver School of Medicine***11:15 HOST AND VIRAL FACTORS ON HEPATITIS C PROGRESSION AND RESPONSE TO INTERFERON THERAPY.**Mandana Khalili, *University of California San Francisco***12:00 ADJOURN****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 28, 2010***Michel Boivin and De-Ann Pillers, Presiding***1:45 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD****STUDIES OF THE FREQUENCY OF ASSISTED REPRODUCTIVE TECHNOLOGY (ART) BIRTHS AND TWINNING IN PRADER-WILLI SYNDROME.***J Gold, C Ruth and V Kimonis, Orange, CA. University of California, Irvine (WSPR)*

Abstract 1

2:00 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD**LIMB REGENERATION IN NORMAL AND OLIGOZEUGODACTYLY CHICKS.***RO Woods, CU Pira, JF Fallon and KC Oberg, Loma Linda, CA and Madison, WI. Loma Linda University (WSMRF)*

Abstract 2

2:15 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD**USE OF COMMUNITY BASED PARTICIPATORY RESEARCH TO CREATE, IMPLEMENT AND TEST A SCHOOL-BASED HEALTH CENTER INTERVENTION WITH MULTIETHNIC ADOLESCENTS TO IMPROVE NUTRITION AND PHYSICAL ACTIVITY.***Alberta S. Kong, University of New Mexico School of Medicine**2:45–3:00 Intermission***3:00 E. E. OSGOOD AWARD****SMOKING REDUCES SURFACTANT PROTEIN D AND PHOSPHOLIPID IN LAVAGE FROM SMOKERS WITH AND WITHOUT CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD).***JM More, D Voelker, ED Chan and RP Bowler, Denver, CO and Stanford, CA. National Jewish Health (WSMRF)*

Abstract 3

3:15 WAFMR OUTSTANDING INVESTIGATOR AWARD**EXOGENOUS DIHYDROTESTOSTERONE DOES NOT INCREASE INTRAPROSTATIC DIHYDROTESTOSTERONE CONCENTRATIONS IN HEALTHY MEN: IMPLICATIONS FOR MALE HORMONAL THERAPIES.***ST Page, DW Lin, E Mostaghel, B Marck, J Wright, JK Amory and AM Matsumoto, Seattle, WA.*

Abstract 4

*University of Washington***3:45 WSCI OUTSTANDING INVESTIGATOR AWARD****CREATING A RESEARCH AND DEVELOPMENT PIPELINE FOR SAFE, HIGH VALUE HEALTH DELIVERY SYSTEMS.***Andrew Auerbach, University of California, San Francisco***4:15 WSPR BUSINESS MEETING****WSCI BUSINESS MEETING****INVESTIGATOR WORKSHOPS****12:15 PM–1:15 PM****Thursday, January 28, 2010**

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***NAVIGATING YOUR ACADEMIC CAREER: GETTING ON COURSE AND STAYING ON COURSE.**Patrice Eiff, *Oregon Health & Science University*

Sunset Center – Chapman #4**SUCCESSFUL CAREERS IN ACADEMIC MEDICINE: MASTERING THE TOOLS TO START A LAB, FUND IT AND RUN IT!**Jane EB Reusch, *University of Colorado Health Science Center***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 28, 2010**

- 1 **THE PREVALENCE OF ELBOW FLEXION CONTRACTURE IN CHILDREN WITH BRACHIAL PLEXUS BIRTH PALSY.**
LC Sheffler, A Bagley and MA James, Sacramento, CA. University of California, Davis (WSPR Subspecialty Award Winner) Abstract 5
- 2 **RATE OF HEAD CIRCUMFERENCE GROWTH IN INFANTS AT-RISK FOR AUTISM: A POSSIBLE CLINICAL MARKER.**
G Jensen, S Webb and J Munson, Seattle, WA. University of Washington School of Medicine (WSPR Subspecialty Award Winner) (WSMRF) Abstract 6
- 3 **HIGH-DENSITY LIPOPROTEIN (HDL) MIMETIC PEPTIDES CAN RESTORE THE ANTI-INFLAMMATORY PROPERTIES OF HDL FROM PATIENTS WITH CORONARY ARTERY DISEASE.**
O Elboudwarej, G Hough, S Hama, M Garife and M Navab, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 7
- 4 **DEPRESSION IN PREMEDICAL UNDERGRADUATES.**
DZ Fang, San Diego, CA. University of California, San Diego School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 8
- 5 **DEFINING THE ROLE OF PRDM1 AND ITS BINDING PARTNER PRMT5 IN MURINE PRIMORDIAL GERM CELL DIFFERENTIATION.**
L Sanchez, Z Li, S Gkoutela, J Vincent and A Clark, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR Subspecialty Award Winner) (WSMRF) Abstract 9
- 6 **TESTOSTERONE REDUCES NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) OF HYPOGONADISM.**
L Nikolaenko, M Diaz-Arjonilla, S Laurel, C Wang, Y Lue, S French and R Swerdloff, Torrance, CA. Harbor-UCLA Medical Center, LA Biomed Research Institute (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 10
- 7 **A SYSTEMATIC REVIEW COMPARING IMMUNOPROPHYLAXIS REGIMENS AFTER LIVER TRANSPLANTATION WITH HEPATITIS B CORE ANTIBODY POSITIVE DONORS.**
B Waterman, A Chi and S Saab, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 11
- 8 **QUANTITATIVE CHARACTERIZATION OF MULTI-SIGNAL ACTIVATION OF CELLULAR RESPONSES IN MULTIPLE BIOLOGICAL SYSTEMS.**
K Yan and I Al-Shyoukh, Stanford, CA and Los Angeles, CA. Stanford University (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 12
- 9 **LIVER IGF-1 MRNA EXPRESSION IS DECREASED BY MECHANICAL VENTILATION OF PRETERM LAMBS.**
CA Blair, C Amundsen, D Metcalfe, MJ McCoy, B Beck, A Whitworth, A Smith, J Alvord, L Dong, MJ Dahl, L Joss-Moore, L Moyer-Mileur, DM Null, BA Yoder, RH Lane, RA McKnight and KH Albertine, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) Abstract 13
- 10 **DEVELOPMENTAL MESSAGE THERAPY (DMT) TEMPERS ADIPOSE TISSUE ADIPONECTIN RECEPTOR-2 (ADIPR-2) MRNA LEVELS IN NEONATAL STRESS IN RAT PUPS.**
K Gulliver, S Haley, J Thomson, B Barrett, RH Lane and L Moyer-Mileur, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) (WAP) Abstract 14
- 11 **SEARCHING FOR CLUES: FUNCTIONAL GENE ANNOTATION IN AUTISM SPECTRUM DISORDER.**
N Krumm, S Girirajan and E Eichler, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) (WSMRF) Abstract 15

- 12 **REPORTING OF CONTINUOUS OUTCOME MEASURES IN RANDOMIZED CLINICAL TRIALS: IS THE WHOLE STORY BEING TOLD?**
DF Savage, DL Schriger and D Altman, Los Angeles, CA and Oxford, United Kingdom. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 16
- 13 **GLIOBLASTOMA PATIENT OUTCOMES AS A FUNCTION OF RADIATION DOSE TO NEURAL STEM CELL NICHES IN THE ADULT BRAIN.**
P Evers, P Lee, J DeMarco, N Agazaryan, J Sayre, M Selch and F Pajonk, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 17
- 14 **PLASMA REGULATES MONOCYTE PROGRAMMED DEATH LIGAND-1 EXPRESSION IN JUVENILE LUPUS.**
J Kuo, J Ou and A Stevens, Seattle, WA. *University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 18
- 15 **IDENTIFICATION OF TWO NOVEL SECRETED PROTEINS INVOLVED IN TRICHOMONAS VAGINALIS PATHOGENESIS.**
O Twu, N de Miguel, J Wohlschlegel and P Johnson, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 19
- 16 **MATERNAL SEPARATION IN THE NEONATAL PERIOD DECREASES ADIPOSE GR AND 11 β HSD MRNA IN THE ADULT RAT.**
JE Wiedmeier, L Joss-Moore, N Li, Y Wang, M Hale, J Neu and R Lane, Salt Lake City, UT and Gainesville, FL. *University of Utah (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 20
- 17 **ANALYSIS OF GENETIC VARIATION WITHIN FOXE1 AND RISK FOR OROFACIAL CLEFTS.**
NH Mohammed, DM Iovannisci, B Lin, K Schultz, E Lammer, G Shaw and A Lidral, Oakland and Palo Alto, CA and Iowa City, IA. *CHORI (WSPR Subspecialty Award Winner)* Abstract 21
- 18 **THE VASODILATORY EFFECTS OF SURFACTANT ON LUNG AND SYSTEMIC ARTERIES.**
DI Hunt, M Chang, QK Blood, TA Merrit, SM Wilson and AB Blood, Loma Linda, CA. *Loma Linda University (WSPR Subspecialty Award Winner) (WSMRF)* Abstract 22
- 19 **RAB26 FUNCTIONS IN THE RENAL EPITHELIAL PRIMARY CILIUM.**
BR Peterson, H Ward and A Wandinger-Ness, Albuquerque, NM. *The University of New Mexico School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 23
- 20 **MECHANISMS UNDERLYING ASTROCYTOSIS FOLLOWING SCIATIC NERVE INJURY.**
Y Liu, M Xu and C Chavkin, Seattle, WA. *University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 24
- 21 **HSP-70 LEVELS DECLINE IN DECEASED CRITICALLY ILL PATIENTS, RISE IN ALIVE CRITICALLY ILL PATIENTS FOLLOWING ADMISSION TO THE ICU.**
AG Edwards and PE Wischmeyer, Aurora, CO. *University of Colorado School of Medicine (WAFMR/WSCI Subspecialty Award Winner)* Abstract 25
- 22 **POLYMETHYLMETHACRYLATE PARTICLES INHIBIT HUMAN MESENCHYMAL STEM CELL DIFFERENTIATION INTO OSTEOBLASTS.**
R Chiu, RL Smith and S Goodman, Stanford, CA. *Stanford University Medical School (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 26

BREAKFAST-WITH-THE-INVESTIGATOR

Monterey Beach Hotel – Captain’s Table Room
Friday, January 29, 2010
7:00 AM–8:00 AM

Point Alones Room

AN ACADEMIC CAREER IN CLINICAL INVESTIGATION

Michel Boivin, *University of New Mexico*

BALANCING CAREER, FAMILY AND LIFE

Gary Satou, *David Geffen School of Medicine at UCLA*

Point Pinos Room

WHAT TO DO WITH YOUR PROFESSIONAL CAREER AND HOW TO DECIDE.

Hal Yee, *University of California, San Francisco*

MENTORING CAREERS IN ACADEMIC MEDICINE.

Virginia Broudy, *University of Washington*

CONCURRENT SESSIONS
AND
STUDENT SCIENTIFIC SESSIONS

Friday, January 29, 2010
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

Table listing various sessions and their locations: Behavior and Development (Bingham Room #3), Cardiovascular I (Il Forniao), Community Health (LaPlaya Hotel), Endocrinology I (Room #6), Genetics (Rehearsal Room), Health Care Research I (Promenade Lobby), Hematology and Oncology I (Studio 105), Metabolism (Carlson Hall), Neonatal Pulmonary I (All Saints Church), Neonatology General I (All Saints Church), Neuroscience I (Conductor's Room), Pulmonary and Critical Care I (Carmel Women's Club), Surgery I (Green Room).

STUDENT SCIENTIFIC SESSIONS I, II, and III

8:30 AM-12:00 PM

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

Behavior and Development

Sunset Center, Bingham Room #3
F. Curt Bennett and Heidi M. Feldman, Presiding

- 8:30 COGNITIVE AND SOCIAL DEFICITS IN CHRONIC NEONATAL HYPOXIA. Abstract 27
8:45 MEDICAL AND DEVELOPMENTAL FEATURES OF TETRASOMY X AND PENTASOMY X SYNDROME. Abstract 28
9:00 ATTENTION DEFICIT/HYPERACTIVITY DISORDER IN CHILDREN AND ADOLESCENTS WITH SEX CHROMOSOME ANEUPLOIDY. Abstract 29
9:15 CHROMOSOME 22Q11.2 DELETION SYNDROME TRANSLATIONAL CLINIC. Abstract 30
9:30 THE EFFECTS OF DEFENSE MECHANISMS ON SELF ESTEEM AND FAMILY DYNAMICS IN OVERWEIGHT CHILDREN. Abstract 31
9:45 ASSESSING THE FEASIBILITY OF A UNIVERSAL SUICIDE SCREEN IN A NON-PsYCHIATRIC EMERGENCY DEPARTMENT. Abstract 32

10:00-10:15 Intermission

- 10:15 UTILIZATION OF COMPLIMENTARY AND ALTERNATIVE MEDICINE IN PRESCHOOL AGED CHILDREN WITH AUTISM SPECTRUM DISORDER AND DEVELOPMENTAL DELAY. Abstract 33

- 10:30 RATE OF HEAD CIRCUMFERENCE GROWTH IN INFANTS AT-RISK FOR AUTISM: A POSSIBLE CLINICAL MARKER.**
G Jensen, S Webb and J Munson, Seattle, WA. *University of Washington School of Medicine (WSPR Subspecialty Award Winner) (WSMRF)* Abstract 34
- 10:45 CERVICOFACIAL VENOUS MALFORMATION AND AUTISTIC SPECTRUM DISORDER IN A PATIENT WITH KABUKI SYNDROME.**
J Lemay, M Hicks, M Innes and A Kirton, Calgary, Alberta, Canada and Calgary, Canada. *University of Calgary (WSPR)* Abstract 35
- 11:00 JUSTIFYING PHYSICAL VIOLENCE AGAINST MEN AND WOMEN: A STUDY OF FEMALE INTIMATE PARTNER VIOLENCE VICTIMS IN MALAWI.**
SE Medeiros, K Dalal, R Mohammadi and S Bazargan-Hejazi, Los Angeles, CA; Stockholm, Sweden and Linköping, Sweden. *Charles Drew University (WSMRF)* Abstract 36
- 11:15 THE INTERPLAY BETWEEN PSYCHIATRY AND JUVENILE JUSTICE: CURRENT TRENDS.**
B Wilson, Denver, CO and Aurora, CO. *University of Colorado School of Medicine* Abstract 37
- 11:30 State-of-the-Art Speaker**
PARENTS IN CRISIS: POSTTRAUMATIC STRESS IN THE NEONATAL INTENSIVE CARE UNIT.
Richard Shaw, *Stanford University*

Cardiovascular I

Ocean Room, Pine Inn, Il Forniao

Peter Ganz, Presiding

- 8:30 ASYMPTOMATIC POSITIVE CMV SEROLOGY IS ASSOCIATED WITH INCREASED RISK FOR THE DEVELOPMENT OF CARDIAC ALLOGRAFT VASCULOPATHY (CAV) AFTER HEART TRANSPLANTATION.**
S Davis, M Hamilton and J Kobashigawa, Los Angeles, CA. *David Geffen School of Medicine at UCLA (Carmel AFMR Scholar Award Winner)* Abstract 38
- 8:45 C4D OR C3D POSITIVITY IN HEART TRANSPLANT BIOPSIES IS NOT A MARKER FOR POOR OUTCOME.**
M Share, M Hamilton and J Kobashigawa, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 39
- 9:00 ACCOMMODATION AFTER HEART TRANSPLANTATION.**
M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 40
- 9:15 LONG-TERM OUTCOMES OF PRIMARY GRAFT DYSFUNCTION IN CARDIAC TRANSPLANTATION.**
S Wong, S Wong, M Kawano, R Shemin and M Kwon, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 41
- 9:30 State-of-the-Art Speaker**
ENDOTHELIAL FUNCTION: STATE OF THE ART REVIEW.
Peter Ganz, *University of California, San Francisco*

10:00–10:15 Intermission

- 10:15 HIGH-DENSITY LIPOPROTEIN (HDL) MIMETIC PEPTIDES CAN RESTORE THE ANTI-INFLAMMATORY PROPERTIES OF HDL FROM PATIENTS WITH CORONARY ARTERY DISEASE.**
O Elboudwarej, G Hough, S Hama, M Garife and M Navab, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 42
- 10:30 INFLAMMATION CAUSES THE LOSS OF HIGH DENSITY LIPOPROTEIN PROTECTIVE CAPACITY.**
K Navab, S Hama and G Hough, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 43
- 10:45 A NOVEL ROLE FOR HEPARIN-BINDING EPIDERMAL-LIKE GROWTH FACTOR IN EARLY ATHEROSCLEROSIS.**
B Kim, S Lee and J Berliner, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 44
- 11:00 ANTENATAL PROTEIN DEPRIVATION: DEVELOPMENTAL PROGRAMMING OF THE RENIN ANGIOTENSIN SYSTEM IN HEART.**
ES Kim, R Goyal and LD Longo, Loma Linda, CA. *Loma Linda University* Abstract 45
- 11:15 QUANTITATIVE CONTRACTILE CHARACTERISTICS OF HUMAN EMBRYONIC AND INDUCED PLURIPOTENT STEM CELL-DERIVED CARDIOMYOCYTES.**
S Lundy, M Regnier and M Laflamme, Seattle, WA. *University of Washington (WSMRF)* Abstract 46
- 11:30 DONOR TO RECIPIENT HEIGHT MATCH IN ADDITION TO WEIGHT MATCH IS IMPORTANT FOR GOOD OUTCOME AFTER HEART TRANSPLANTATION.**
A Moradzadeh, M Hamilton and J Kobashigawa, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 47
- 11:45 LIDOCAINE PROPHYLAXIS FOLLOWING OUT-OF-HOSPITAL RESCUSITATION.**
C Newell, L White and P Kudenchuk, Seattle, WA. *University of Washington (WSMRF)* Abstract 48

Community Health

LaPlaya Hotel, Carmel Room

Laurel Desnick, Presiding

- 8:30 TELEMEDICINE TO DETECT DIABETIC RETINOPATHY IN AMERICAN INDIAN/ALASKA NATIVES AND OTHER ETHNICITIES.**
SL Mansberger, TM McClure, KA Wooten and TM Becker, Portland, OR and Wichita, KS. *Legacy Health System* Abstract 49

- 8:45 HEARING HEALTH IN NORTHWEST AMERICAN INDIAN COMMUNITIES.**
WH Martin, WE Lambert, LC Howarth, LD Simpson, Y Shi, SE Griest, N Hildebrandt, JR Kennedy and TM Becker, Portland, OR and Toppenish, WA. Oregon Health & Science University Abstract 50
- 9:00 DEVELOPING A COMMUNITY HYGIENE CLINIC IN SULTAN, WA.**
JJ Kopa, Seattle, WA. University of Washington (WSMRF) Abstract 51
- 9:15 IMPROVING PRENATAL CARE EDUCATION IN INTERIOR ALASKA VILLAGES.**
T Scribner-Metcalf, Seattle, WA. University of Washington Abstract 52
- 9:30 LIBBY AMPHIBOLE ASBESTOS EDUCATION IN THE MEDICAL COMMUNITY OF LIBBY, MONTANA.**
K Kading, Seattle, WA. University of Washington (WSMRF) Abstract 53
- 9:45 LATIN-AMERICAN IMMIGRANT MOTHERS' EXPERIENCES WITH HEALTHCARE IN LOS ANGELES: A QUALITATIVE STUDY.**
Y Castellon, K VanderWall and A Kuo, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 54

10:00–10:15 Intermission

- 10:15 FALL PREVENTION EDUCATION FOR YAKAMA NATION ELDERS IN TOPPENISH, WA.**
DK Duffield, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 55
- 10:30 ASSESSING THE HEALTH NEEDS OF AFRICAN IMMIGRANTS IN CALIFORNIA.**
J Ekwueme, I Chukwu and A Jo, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 56
- 10:45 FUELING INTEREST IN HEALTHCARE CAREERS: A WORKSHOP DESIGNED FOR THE TWIN FALLS, IDAHO MIGRANT SUMMER SCHOOL.**
K Dove-Maguire, Seattle, WA. University of Washington (WSMRF) Abstract 57
- 11:00 LOWERING HBA1_c LEVELS IN TYPE 2 DIABETICS THROUGH EDUCATIONAL INTERVENTION TECHNIQUES.**
N Dehdashti and H Rilo, Tucson, AZ. University of Arizona College of Medicine Abstract 58
- 11:15 SCIENCE TUTORING: PIPELINING AMERICAN INDIANS INTO THE HEALTHCARE FIELD.**
SM Verlander, Seattle, WA. University of Washington (WSMRF) Abstract 59
- 11:30 JOHNSON COUNTY INTERAGENCY SUMMER BICYCLE HELMET SAFETY INTERVENTION.**
G Wallace, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 60
- 11:45 SECOND HAND SMOKE EXPOSURE IN WYOMING - A MODEL FOR CHANGE.**
OB Wells, Seattle, WA. University of Washington (WSMRF) Abstract 61

Endocrinology I

Sunset Center, Room # 6

Kathryn Schuff, Presiding

- 8:30 TUMOR INDUCED OSTEOMALACIA WITH NO CLINICALLY APPARENT TUMOR.**
LE Aguirre, K Collieran and P Kapsner, Albuquerque, NM. University of New Mexico Health Sciences Center School of Medicine (WAFMR) Abstract 62
- 8:45 THE REGULATION OF THE SODIUM IODIDE SYMPORTER IN BREAST CANCER BY RETINOIC ACID.**
LL Richter, T Kogai and G Brent, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 63
- 9:00** *State-of-the-Art Speaker*
UPDATE ON HORMONE THERAPY IN EARLY MENOPAUSE.
George Merriam, University of Washington
- 9:30 TESTOSTERONE REDUCES NON-ALCOHOLIC FATTY LIVER DISEASE (NAFLD) OF HYPOGONADISM.**
L Nikolaenko, M Diaz-Arjonilla, S Laurel, C Wang, Y Lue, S French and R Swerdloff, Torrance, CA. Harbor-UCLA Medical Center, LA Biomed Research Institute (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 64
- 9:45 TESTOSTERONE SUPPLEMENTATION REVERSES SARCOPENIA IN AGING THROUGH REGULATION OF MYOSTATIN, JNK, AKT, AND NOTCH SIGNALING PATHWAYS.**
EL Kovacheva, AP Sinha Hikim, R Shen and I Sinha-Hikim, Los Angeles, CA and Torrance, CA. Charles Drew University (Carmel AFMR Scholar Award Winner) Abstract 65

10:00–10:15 Intermission

- 10:15 DOWN REGULATION OF VITAMIN D RECEPTOR SIGNALING IN BREAST CANCER STEM-LIKE CELLS: IMPLICATIONS FOR THERAPEUTIC INTERVENTIONS.**
M Braga, M Hewison, S Pervin and R Singh, Los Angeles, CA. Charles Drew University of Medicine and Science (WSCI) Abstract 66
- 10:30 DUTASTERIDE REDUCES PROSTATE SPECIFIC ANTIGEN (PSA) IN HYPOGONADAL MEN WITH BENIGN PROSTATIC HYPERPLASIA UNDERGOING TESTOSTERONE (T) REPLACEMENT THERAPY.**
LA Hirano, ST Page and AM Matsumoto, Seattle, WA. University of Washington (Carmel AFMR Scholar Award Winner) Abstract 67

- 10:45 EXOGENOUS DIHYDROTESTOSTERONE DOES NOT INCREASE INTRAPROSTATIC DIHYDROTESTOSTERONE CONCENTRATIONS IN HEALTHY MEN: IMPLICATIONS FOR MALE HORMONAL THERAPIES.**
ST Page, DW Lin, E Mostaghel, B Marck, J Wright, JK Amory and AM Matsumoto, Seattle, WA. *University of Washington (WAFMR Outstanding Investigator Award Winner) (WAFMR)* Abstract 68
- 11:00 IUGR INCREASES MRNA LEVELS OF RBP4 IN INSULIN RESISTANT RATS.**
B Burshears, Y Wang, M Hale, Q Fu, X Yu, C Callaway, R McKnight, L Joss-Moore and R Lane, Salt Lake City, UT. *University of Utah* Abstract 69
- 11:15 VALIDATION OF A COMMERCIALY AVAILABLE GROWTH HORMONE RELEASING HORMONE ANTIBODY FOR STUDYING RADIATION-INDUCED GROWTH HORMONE DEFICIENCY.**
I Zubkov, A Semotiuk, G Plesiu, R Schulte and Y Nie, Loma Linda, CA. *Loma Linda University* Abstract 70
- 11:30 A 38 YEAR-OLD MALE WITH RECURRENT NEPHROLITHIASIS AND HYPERVITAMINOSIS D.**
M Bouchonville and P Kapsner, Albuquerque, NM. *University of New Mexico* Abstract 71

Genetics

Sunset Center, Rehearsal Room

Katherine Rauhen and Dave Viskochil, Presiding

- 8:30 IDENTIFYING SINGLE NUCLEOTIDE POLYMORPHISMS ASSOCIATED WITH AN INCREASED SUCCEPTIBILITY TO TYPE 2 DIABETES IN THE PIMA INDIAN POPULATION.**
JL Tuttle, R Rong and LJ Baier, Tucson, AZ and Phoenix, AZ. *University of Arizona College of Medicine* Abstract 72
- 8:45 CHROMOSOME 16P11.2 DELETION: EXPANSION OF THE PHENOTYPE TO INCLUDE DIAPHRAGMATIC HERNIA.**
J Hogue, A Slavotinek, M Wat, D Scott and K Rauhen, San Francisco, CA and Houston, TX. *University of California, San Francisco (WSMRF)* Abstract 73
- 9:00 CANCER PREDISPOSITION SYNDROMES AND ARRAY COMPARATIVE GENOMIC HYBRIDIZATION: WHEN ONE ANSWER DOES NOT TELL THE WHOLE STORY.**
S Ramanathan, DJ Michelson and RD Clark, Loma Linda, CA. *Loma Linda University Children's Hospital* Abstract 74
- 9:15 TARGETED CAPTURE AND MASSIVELY PARALLEL SEQUENCING OF THE HUMAN EXOME.**
A Kumar, E Turner and J Shendure, Seattle, WA. *University of Washington (WSMRF)* Abstract 75
- 9:30 IMPLICATIONS OF GLOBAL H3K18AC PATTERNS IN ONCOGENIC TRANSFORMATION.**
Y Chan, R Ferrari and S Kurdistani, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 76
- 9:45 SEVERE HYPERAMMONEMIA AS INITIAL PRESENTATION IN PATIENTS WITH LONG CHAIN FATTY ACID OXIDATION DEFECTS - CONSIDERATIONS FOR INITIAL TREATMENT.**
A Niemi, S Hintz and GM Enns, Stanford, CA. *Stanford University* Abstract 77

10:00–10:15 Intermission

- 10:15 State-of-the-Art Speaker**
OPPORTUNITIES FOR RARE DISEASES RESEARCH AT THE NIH AND AROUND THE GLOBE.
Stephen C. Groft, *National Institutes of Health*
- 10:45 GLUTATHIONE DEFICIENCY IN METHYLMALONIC ACIDEMIA IS RESPONSIVE TO TREATMENT WITH N-ACETYLCYSTEINE.**
K Cusmano-Ozog, T Moore, TM Cowan and GM Enns, Stanford, CA. *Stanford University (WAFMR)* Abstract 78
- 11:00 SEARCHING FOR CLUES: FUNCTIONAL GENE ANNOTATION IN AUTISM SPECTRUM DISORDER.**
N Krumm, S Girirajan and E Eichler, Seattle, WA. *University of Washington (WSPR Subspecialty Award Winner) (WSMRF)* Abstract 79
- 11:15 EXPLORING THE NEURONAL PHENOTYPE OF AUTISM SPECTRUM DISORDERS USING INDUCED PLURIPOTENT STEM CELLS.**
JA Bernstein, S Pasca, T Portmann, M Yazawa, A Shchlegovtov, J Hallmayer and R Dolmetsch, Stanford, CA. *Stanford University (WSPR Mead Johnson Travel Award Winner) (WSPR)* Abstract 80
- 11:30 DEFECTIVE SIGNALING PATHWAYS IN VCP ASSOCIATED INCLUSION BODY MYOPATHY (IBMPFD).**
VE Kimonis, J Vesa, H Su, GD Watts, S Krause, MC Walter, DC Wallace and VE Kimonis, Irvine, CA; Boston, MA and Munich, Germany. *University of California, Irvine* Abstract 81
- 11:45 REDOX AND METABOLIC ABNORMALITIES IN MITOCHONDRIAL DISORDERS.**
KR Atkuri, T Moore, T Cowan, L Herzenberg, V Procaccio and G Enns, Stanford, CA and Angers, France. *Stanford University (WSPR)* Abstract 82

Health Care Research I

Sunset Center, Promenade Lobby

Paul Gorman, Presiding

- 8:30 EMERGENCY MEDICINE AND PSYCHIATRY AGREEMENT ON DISPOSITION OF EMERGENCY DEPARTMENT PATIENTS.**
A Douglass, J Lou and L Baraff, Los Angeles, CA. *David Geffen School of Medicine* Abstract 83

- 8:45 ANALYSIS OF THE PRINCIPAL LANGUAGE SPOKEN PREVALENCE IN CALIFORNIA.**
C Her and D Carlisle, Los Angeles, CA and Sacramento, CA. *David Geffen School of Medicine at UCLA* Abstract 84
- 9:00 THE PREVALENCE AND ASSOCIATION BETWEEN THE TYPE OF ALCOHOL DRINK CONSUMED AND EXPOSURE TO VIOLENCE: AN EMERGENCY DEPARTMENT STUDY.**
C Chavira, S Bazargan-Hejazi and ML Lee, Los Angeles, CA. *Charles Drew University of Medicine and Science (WSMRF)* Abstract 85
- 9:15 EFFECTIVENESS OF A 24/7 NURSE ADVICE LINE IN REDUCING NON-EMERGENCY VISITS TO THE EMERGENCY ROOM IN RURAL NEW MEXICO.**
ED Bissell, C Fiorenzio, A Johnson, A Kaufman, B Skipper and L Wagner, Albuquerque, NM. *University of New Mexico* Abstract 86
- 9:30 TREADMILL HEAT-STRESS TESTING IN A PRIMARY CARE SETTING CAN INCREASE PHYSIOLOGICAL STRAIN INDEX TO LEVELS ABOVE THOSE CREATED IN CLIMATIC CHAMBERS.**
LW Raymond, Charlotte, NC. *University of North Carolina, Chapel Hill (WAFMR)* Abstract 87
- 9:45 BRIEF EMERGENCY DEPARTMENT INTERVENTION ABOUT PERPETRATION OF INTIMATE PARTNER VIOLENCE: VICTIMS IMPROVED KNOWLEDGE ATTITUDES AND PRACTICE MORE THAN NON-VICTIMS.**
JB Baker, A Ernst, S Weiss, K Hopley, J Kanter and I Medoro, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 88

10:00–10:15 Intermission

- 10:15 COMPARING OUTCOMES OF PALLIATIVE CARE CONSULTATIONS BY RACE AT SEATTLE ACADEMIC MEDICAL CENTERS.**
LH Richardson, S Farber and H Starks, Seattle, WA. *University of Washington (WAFMR)* Abstract 89
- 10:30 TOTAL RADIATION EXPOSURE DURING AN ACUTE STONE EVENT IN INSURED AND UNINSURED PATIENTS.**
DJ Greene, JD Chamberlin, CF Tenggardjaja, RJ Bowman, K Huynh and DD Baldwin, Loma Linda, CA and Colton, CA. *Loma Linda University School of Medicine (WSMRF)* Abstract 90
- 10:45 HEALTH LITERACY AND DISEASE UNDERSTANDING AMONG AGING WOMEN WITH PELVIC FLOOR DISORDERS.**
BM Mittal, U Lee, M Mossanen, M Pollard, S Maliski, C Tarnay, MS Litwin, R Rogers and JT Anger, Los Angeles, CA and Albuquerque, NM. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 91
- 11:00 EVALUATION OF DIETARY INTAKE AMONGST DISADVANTAGED AFRICAN YOUTH.**
M Sanghera, D Roccamatysi, Y Wang, W Jang, J McLean, W Cannon, M Kagoda, K Kipruto, A Kasangaki and A Macnab, Vancouver, BC, Canada and Kampala, Uganda. *University of British Columbia and British Columbia Children's Hospital* Abstract 92
- 11:15 QUALITY OF END-OF-LIFE CARE IN LOW-INCOME, UNINSURED MEN DYING OF PROSTATE CANCER.**
AC Chi, J Bergman and MS Litwin, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 93
- 11:30 USE OF THE ALCOHOL ABSTINANCE SELF EFFICACY SCALE IN WHITES VS. NON-WHITES.**
T Townsend and C Baca, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 94
- 11:45 PROPOSED DIABETES SCREENING IN ADULTS WITH DEVELOPMENTAL DISABILITIES.**
M Hess, Seattle, WA. *University of Washington School of Medicine (WSMRF)* Abstract 95

Hematology and Oncology I

Sunset Center, Studio 105

Neil Parker and Gary Schiller, Presiding

- 8:30 INTRATUMORAL CD8 T CELL INFILTRATE PREDICTS SURVIVAL IN MERKEL CELL CARCINOMA.**
AR Tegeeder, K Paulson, J Iyer, R Thibodeau, M Disis, D Koelle, J Becker, M Madeleine and P Nghiem, Seattle, WA and Würzburg, Germany. *University of Washington* Abstract 96
- 8:45 PHARMACOLOGICAL ANALYSIS OF CLOFARABINE IN COMBINATION WITH DECITABINE AND HDACI IN THE GFP-EXPRESSING ADENOCARCINOMA COLON CANCER YB5 CELL LINE.**
M Benjamin, N Raynal, S Ahmed, V Gharibyan and J Issa, Tucson, AZ and Houston, TX. *University of Arizona College of Medicine (WSMRF)* Abstract 97
- 9:00 THE IMPACT OF CLINICAL PARAMETERS ON THE FEASIBILITY OF ADOPTIVE T-CELL THERAPY IN CANCER PATIENTS.**
J Keller, J Childs, Y Dang, LG Salazar, D Higgins, N Bates, A Coveler and ML Disis, Seattle, WA. *University of Washington (WSMRF)* Abstract 98
- 9:15 CRITICAL ROLE OF ARGINASE PATHWAY IN BREAST CANCER.**
R Singh, M Braga, JJ Li, SA Li and S Pervin, Los Angeles, CA and Kansas City, KS. *Charles Drew University of Medicine and Science (WSCI Travel Award Winner) (WSCI)* Abstract 99
- 9:30 GLIOBLASTOMA PATIENT OUTCOMES AS A FUNCTION OF RADIATION DOSE TO NEURAL STEM CELL NICHES IN THE ADULT BRAIN.**
P Evers, P Lee, J DeMarco, N Agazaryan, J Sayre, M Selch and F Pajonk, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 100
- 9:45 CAPTURE OF CIRCULATING PROSTATE TUMOR CELLS USING THREE-DIMENSIONAL SILICON NANOWIRE SUBSTRATES.**
GE Owens, S Wang, H Wang, J Jiao, K Chen, J Huang, A Pantuck and H Tseng, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 101

10:00–10:15 Intermission

- 10:15 COMBINATION STRATEGIES USING KINASE INHIBITORS IN COLORECTAL CANCER IN VITRO.**
J Lorber, A Anghel and ZA Wainberg, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 102
- 10:30 CYTOMEGALOVIRUS CENTRAL NERVOUS SYSTEM DISEASE IN STEM CELL TRANSPLANT RECIPIENTS.**
SM Reddy, DJ Winston, MC Territo and GJ Schiller, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 103
- 10:45 ANALYSIS OF TREATMENT MODALITIES FOR GASTRIC ADENOCARCINOMA.**
R Chand, JM Linam and SA Patel, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 104
- 11:00 IDENTIFICATION OF NOVEL RASSF1C INTERACTING PROTEINS.**
D Sugiyama, E Renk, M Baldwin, R Aragon, Y Amaar and M Reeves, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 105
- 11:15 PROTEASE-ACTIVATED RECEPTOR 1 IS UPREGULATED AND PROMOTES INVASION IN A MURINE MODEL OF METASTATIC OSTEOSARCOMA.**
JP Sand, K Janeway, J Perry and S Orkin, Seattle, WA and Boston, MA. University of Washington School of Medicine Abstract 106
- 11:30 THE INFLUENCE OF MATRIX AVERAGING ON THE ACCURACY OF STEREOTACTIC COORDINATE TRANSFORMATIONS.**
M Knecht, E Kim, A Semotiuk, Y Nie and R Schulte, Loma Linda, CA. Loma Linda University School of Medicine Abstract 107
- 11:45 UNCERTAINTY OF PROSTATE POSITION IN A COHORT OF PATIENTS UNDERGOING PROTON THERAPY WITH ENDORECTAL BALLOON.**
K Littell, R Schulte and R Grove, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 108

Metabolism

Church of the Wayfarer, Carlson Hall

Kathleen Collieran, Presiding

- 8:30 HUMAN TYPE 2 DIABETES IS ASSOCIATED WITH ISLET AMYLOID DEPOSITION, DECREASED β -CELL AREA, AND INCREASED β -CELL APOPTOSIS.**
MN Toukatly, C Jurgens, SE Kahn and RL Hull, Seattle, WA. University of Washington and VA Puget Sound Health Care System (WSMRF) Abstract 109
- 8:45 IN VIVO AND EX VIVO MODELS OF ENHANCED ADIPOCYTE DIFFERENTIATION IN INTRA-UTERINE GROWTH RESTRICTED NEONATAL RATS.**
JK Yee, G Han, WP Lee, MG Ross and M Desai, Torrance, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA (Carmel AFMR Scholar Award Winner) (WSPR) Abstract 110
- 9:00 EPIGENETIC REGULATION OF HIGH GLUCOSE-INDUCED PROINFLAMMATORY CYTOKINE PRODUCTION IN MONOCYTES BY CURCUMIN.**
J Yun, I Jialal and S Devaraj, Sacramento, CA. University of California, Davis Medical Center Abstract 111
- 9:15 MATERNAL SEPARATION IN THE NEONATAL PERIOD DECREASES ADIPOSE GR AND 11 β SD MRNA IN THE ADULT RAT.**
JE Wiedmeier, L Joss-Moore, N Li, Y Wang, M Hale, J Neu and R Lane, Salt Lake City, UT and Gainesville, FL. University of Utah (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 112
- 9:30 DIETARY IRON RESTRICTION PROTECTS FROM DIABETES AND LOSS OF BETA CELL FUNCTION IN THE OBESE OB/OB MOUSE.**
D McClain and R Cooksey, Salt Lake City, UT. University of Utah (WAP) Abstract 113
- 9:45 INTERMITTENT HYPOXIA CAUSES HYPERTENSION AND INSULIN RESISTANCE IN MALE SPRAGUE DAWLEY RATS.**
LE Aguirre, X De Leon, KL Sweazea, BR Walker, K Collieran and N Kanagy, Albuquerque, NM and Tempe, AZ. University of New Mexico Health Sciences Center School of Medicine (Carmel AFMR Scholar Award Winner) (WSMRF) Abstract 114

10:00–10:15 Intermission

- 10:15 MATERNAL DHA SUPPLEMENTATION INCREASES ADIPONECTIN EXPRESSION IN INTRA-UTERINE GROWTH RESTRICTED RATS.**
H Bagley, Y Wang, C Callaway, Y Xu, R McKnight, R Lane and L Joss-Moore, Salt Lake City, UT. University of Utah (WSMRF) Abstract 115
- 10:30 A NOVEL GLUTATHIONE PRECURSOR PREVENTS HIGH FAT DIET-INDUCED STEATOSIS IN APOLIPOPROTEIN E (APOE) $-/-$ MICE.**
I Sinha-Hikim, S Ruoqing, H Kim, AP Sinha Hikim, S French, ND Vaziri, A Crum and K Norris, Los Angeles, CA; Torrance, CA; Irvine, CA and Rhinebeck, NY. Charles Drew University & David Geffen School of Medicine at UCLA Abstract 116
- 10:45 RECOVERY FROM OVERNIGHT HYPOGLYCEMIA IS NOT IMPAIRED IN HEALTHY ELDERLY SUBJECTS.**
P Hicks, H Theresa and MR Burge, Albuquerque, NM. University of New Mexico (WSCI) Abstract 117
- 11:00 YOUNG AGE OF ONSET, KETOACIDOSIS DO NOT DISTINGUISH BETWEEN GAD ANTIBODY POSITIVE ADULT TYPE 1 DIABETES AND LATENT AUTOIMMUNE DIABETES OF ADULTS.**
K Djekic, A Mouzeyan and E Ipp, Torrance, CA and Long Beach, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center Abstract 118

- 11:15 COMPARISON OF SINGLE-DOSE REGIMENS OF INSULIN GLARGINE VERSUS NPH AMONG INNER CITY ETHNIC MINORITY TYPE 2 DIABETIC PATIENTS UNCONTROLLED ON ORAL AGENTS.**
SH Hsia, Los Angeles, CA. Charles Drew University (WSCI Travel Award Winner) Abstract 119

- 11:30 State-of-the-Art Speaker**
MAKING SENSE OF ANDROGEN EFFECTS ON INSULIN SENSITIVITY.
 Karen Herbst, *University of California, San Diego*

Neonatal Pulmonary I

All Saints Church, Sanctuary

Paul Rozance and Allen Merritt, Presiding

- 8:30 State-of-the-Art Speaker**
THE JOAN HODGMAN MEMORIAL LECTURE: USE OF INHALED NITRIC OXIDE IN NEONATES: A HISTORICAL PERSPECTIVE.
 Roberta A. Ballard, *University of California at San Francisco*
To take place in All Saints Church Auditorium – this talk only
- 9:00 SURFACTANT ADSORPTION IN VITRO: ROLE OF SURFACTANT PROTEINS.**
CJ Chapin, O Danhaive, PL Ballard, P Cogo and VP Carnielli, Rome, Italy; San Francisco, CA; Padova, Italy and Ancona, Italy. University of California, San Francisco Abstract 120
- 9:15 EVOLUTIONARY BIOLOGY AS A CIPHER FOR NEONATAL LUNG BIOLOGY AND DISEASE.**
JS Torday, R Sakurai, E Shin and VK Rehan, Torrance, CA. Harbor-UCLA Abstract 121
- 9:30 CALCIUM ACTIVATED CHLORIDE CHANNELS IN PULMONARY ARTERIAL VASOCONSTRICTION ARE INFLUENCED BY POSTNATAL MATURITY AND LONG-TERM HYPOXIC STRESS.**
S Vemulakonda, DG Papamtheakis, A Forrest, N Leblanc, J Angermann, LD Longo and SM Wilson, Loma Linda, CA and Reno, NV. Loma Linda University Medical Center Abstract 122
- 9:45 VITAMIN A+RETINOIC ACID PROMOTES ALVEOLAR FORMATION IN PRETERM LAMBS MANAGED BY MECHANICAL VENTILATION.**
B Beck, MJ Dahl, J Alvord, C Blair, Z Wang, L Dong, A Wint, M McCoy, R McKnight, D Null, B Yoder, R DeGeronimo, R Lane, N Ambalavanan, A Ross and K Albertine, Salt Lake City, UT; Birmingham, AL and Hershey, PA. University of Utah (WSMRF) Abstract 123

10:00–10:15 Intermission

- 10:15 MATERNAL SUPPLEMENTATION WITH 1% DOCOSAHEXAENOIC ACID CAUSES DNA DAMAGE IN THE DEVELOPING RAT LUNG.**
EA O'Brien, L Joss-Moore, C Jiang, Y Wang, C Callaway, X Yu, R McKnight and R Lane, Salt Lake City, UT. University of Utah (Carmel AFMR Scholar Award Winner) Abstract 124
- 10:30 INTRAUTERINE GROWTH RESTRICTION DECREASES PULMONARY TRPV4 EXPRESSION.**
E Zinkhan, Y Wang, A Brown, C Fung, L Joss-Moore and R Lane, Salt Lake City, UT. University of Utah (WSPR) Abstract 125
- 10:45 MATURATION AND CHRONIC HYPOXIA INFLUENCE ALPHA ADRENERGIC FUNCTION IN THE PULMONARY VASCULATURE OF SHEEP.**
D Papamtheakis, Q Blood, T Merritt, S Lauw and S Wilson, Loma Linda, CA. Loma Linda University Abstract 126
- 11:00 State-of-the-Art Speaker**
REDUCE, REUSE, AND RECYCLE: ALTERNATIVE PATHWAYS OF NO PRODUCTION IN THE LUNG.
 Arlin Blood, *Loma Linda University*
- 11:30 THE VASODILATORY EFFECTS OF SURFACTANT ON LUNG AND SYSTEMIC ARTERIES.**
DI Hunt, M Chang, QK Blood, TA Merritt, SM Wilson and AB Blood, Loma Linda, CA. Loma Linda University (WSPR Subspecialty Award Winner) (WSMRF) Abstract 127
- 11:45 POSTNATAL ROSIGLITAZONE ADMINISTRATION TO NEONATAL RAT PUPS DOES NOT ALTER THE ADULT METABOLIC PHENOTYPE.**
NC Truong, A Abbasi, E Shin, R Sakurai, WN Paul Lee, JS Torday and VK Rehan, Torrance, CA. Harbor-UCLA (WSPR Mead Johnson Travel Award Winner) Abstract 128

Neonatology General I

All Saints Church, Auditorium

Istvan Seri and Cindy McEvoy, Presiding

- 8:30 State-of-the-Art Speaker**
THE JOAN HODGMAN MEMORIAL LECTURE: USE OF INHALED NITRIC OXIDE IN NEONATES: A HISTORICAL PERSPECTIVE.
 Roberta A. Ballard, *University of California at San Francisco*

- 9:00 UTEROPLACENTAL INSUFFICIENCY DOWN REGULATES RENAL 11 β -HYDROXYSTEROID DEHYDROGENASE TYPE 2 (11 β -HSD2) EXPRESSION THROUGH EPIGENETIC MECHANISMS.**
MC Baserga, R Kaur, X Yu, C Callaway, R McKnight and R Lane, Salt Lake City, UT. University of Utah (Carmel AFMR Scholar Award Winner) Abstract 129
- 9:15 INTRAUTERINE GROWTH RESTRICTION RESULTS IN INCREASED INSULIN-STIMULATED PROLIFERATION BUT NOT HYPERTROPHY IN FETAL MYOCYTES.**
LD Brown, PJ Rozance, SM Soto, WW Hay Jr. and JE Friedman, Denver, CO. University of Colorado Denver (WSPR Mead Johnson Travel Award Winner) (WSPR) Abstract 130
- 9:30 INTRAUTERINE GROWTH RESTRICTION (IUGR) DECREASES IGF-1 EXPRESSION IN THE MALE POSTNATAL RAT HEART.**
E Scherr, LA Joss-Moore, Q Fu, RA McKnight, EB Clark and RH Lane, Salt Lake City, UT. University of Utah School of Medicine Abstract 131
- 9:45 INTRAUTERINE GROWTH RESTRICTION ALTERS GLUCOCORTICOID DOWNSTREAM SIGNALING IN RAT BONE IN AN AGE AND GENDER SPECIFIC MANNER.**
AJ Zabrocki, R Lane, L Moyer- Mileur, S Miller, R McKnight, C Calloway and X Yu, Salt Lake City, UT. University of Utah (WSPR) Abstract 132

10:00–10:15 Intermission

- 10:15 BREASTMILK FEEDING OF VERY LOW BIRTH WEIGHT INFANTS AS A FUNCTION OF HOSPITAL PERCENTAGE OF MINORITIES.**
HC Lee, JB Gould and RA Dudley, San Francisco, CA; (CPQCC), CA and Stanford, CA. University of California San Francisco (WSPR) Abstract 133
- 10:30 DEVELOPMENTAL MASSAGE THERAPY IMPROVES MARKERS OF BONE GROWTH IN A NEO NATAL STRESS MODEL.**
S Haley, S O'Grady, K Gulliver, A Thomson, R Baldassarre, R Lane and L Moyer-Mileur, Salt Lake City, UT. University of Utah (Carmel AFMR Scholar Award Winner) Abstract 134
- 10:45 DEVELOPMENTAL MASSAGE THERAPY (DMT) TEMPERS ADIPOSE TISSUE ADIPONECTIN RECEPTOR-2 (ADIPR-2) MRNA LEVELS IN NEONATAL STRESS IN RAT PUPS.**
K Gulliver, S Haley, J Thomson, B Barrett, RH Lane and L Moyer-Mileur, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) (WAP) Abstract 135
- 11:00 APOPTOSIS OF REACTIVE ASTROCYTES IN CORTICAL WHITE MATTER IS INCREASED BY MECHANICAL VENTILATION 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, R McKnight, D Null, B Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF) Abstract 136
- 11:15 PROLONGED EXPERIMENTAL HYPOGLYCEMIA DECREASES INSULIN SECRETION IN LATE GESTATION OVINE FETUSES.**
JR Lavezzi, M O'Meara, S Thorn, LD Brown, W Hay and P Rozance, Aurora, CO. University of Colorado Denver, School of Medicine Abstract 137
- 11:30 IN VITRO POTENCY OF ZINC BIS GLYCOL PORPHYRIN ON LIVER TISSUE FOLLOWING A HEME LOAD.**
A Barlow, AW Yung, CX He, I Rhine, I Hempel, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine Abstract 138
- 11:45 EFFICACY OF ZINC BIS GLYCOL PORPHYRIN IN INHIBITING HEME OXYGENASE ACTIVITY IN THE HEME-LOADED NEWBORN MOUSE.**
CX He, H Zhao, F Kalish, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine Abstract 139
- 12:00 ERYTHROPOIESIS STIMULATING AGENTS ERYTHROPOIETIN AND DARBEPOETIN INCREASE FETAL NEUROGENESIS IN DOSE DEPENDENT FASHION.**
U Malik, S McConaghy and R Ohls, Albuquerque, NM. University of New Mexico (WSMRF) Abstract 140

Neuroscience I

Sunset Center, Conductor's Room

Marie-Francoise Chesselet and Edward Wagner, Presiding

- 8:30 A NOVEL PRECLINICAL MODEL OF GERMINAL MATRIX HEMORRHAGE USING NEONATAL RATS.**
K Virbel, T Lekic, A Manaenko, W Rolland and J Zhang, Loma Linda, CA. Loma Linda University Abstract 141
- 8:45 CLINICAL UTILITY AND YIELD OF INPATIENT ROUTINE ELECTROENCEPHALOGRAPHY.**
LL Harris and TE Losey, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 142
- 9:00 IMMUNOHISTOCHEMICAL VERIFICATION OF STEREOTACTIC PROTON RADIOSURGERY TARGETING ACCURACY IN THE RAT BRAIN.**
GE Plesiu, A Semotiuk, I Zubkov, Y Nie and R Schulte, Loma Linda, CA. Loma Linda University Abstract 143
- 9:15 INDIVIDUALIZING CANCER TREATMENT USING IMAGING: GLIOBLASTOMA AND AVASTIN.**
SK Berkovitz, G Kim, J Qiao, J Huo, J Young, X Xue and W Pope, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 144
- 9:30 PHOSPHO-FLOW AS AN IMMUNE MONITORING ASSAY FOR GLIOBLASTOMA PATIENTS UNDERGOING IMMUNOTHERAPY.**
M Safaee, D Lisiero, H Soto, LM Liau and RM Prins, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 145

- 9:45 RISK FACTORS FOR POSTTRAUMATIC CEREBRAL VASOSPASM.**
I Hutchins, K Keachie, N Rudisill, L Madden, K Smith, J Muizelaar and K Shahlaie, Sacramento, CA. University of California Davis (WSMRF) Abstract 146

10:00–10:15 Intermission

- 10:15 EARLY METABOLIC CHANGES OF MILD TRAUMATIC BRAIN INJURY REVEALED BY 3D MAGNETIC RESONANCE SPECTROSCOPIC IMAGING AT 3T.**
NN Charlton, S Veeraraghavan, H Lee, D Vigneron, G Manley, P Mukherjee and D Xu, San Francisco, CA. University of California, San Francisco Abstract 147
- 10:30 NEUROPATHY INDUCED BONE LOSS FOLLOWING CHRONIC CONSTRICTION INJURY IN MICE.**
AC Rothenberg and S Bain, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 148
- 10:45 TESTOSTERONE EFFECTS IN A MODEL OF PRETERM BIRTH.**
NC Llarena, SR Mayoral, G Omar and AA Penn, Stanford, CA. Stanford University (WSMRF) Abstract 149
- 11:00 INFANT ARACHNOID CYSTS HAVE A DIFFERENT NATURAL HISTORY THAN ARACHNOID CYSTS IN LATER CHILDHOOD.**
D Krivosheya, A Singhal, DD Cochrane and P Steinbok, Vancouver, BC, Canada. University of British Columbia and British Columbia Children's Hospital Abstract 150
- 11:15 USING FUNCTIONAL MAGNETIC RESONANCE IMAGING AND AN AUDITORY STROOP INTERFERENCE TASK TO ISOLATE LANGUAGE-ATTENTION NETWORKS IN THE BRAIN.**
J Lockwood, K Almryde, L Fidler, E Plante and T Christensen, Tucson, AZ. University of Arizona College of Medicine Abstract 151
- 11:30 PERSISTENT ELEVATED HUMAN IMMUNODEFICIENCY VIRUS DNA LEVELS IN CD14+/CD16+ MONOCYTES IN PATIENTS WITH HIV-ASSOCIATED NEUROCOGNITIVE DISORDERS.**
AW Marshall, M Agsalda, I Kusao, D Troelstrup, V Velasco and B Shiramizu, Honolulu, HI. University of Hawaii (WSMRF) Abstract 152
- 11:45 DIFFERENTIAL EFFECTS OF 3-MERCAPTOPYRUVATE DITHIANE ON BRAIN AND MUSCLE TISSUE IN THE TREATMENT OF SUB-LETHAL CYANIDE TOXICITY IN A RABBIT MODEL.**
JG Kim, J Lee, S Mahon, J Ju, D Lemor, S Patterson and M Brenner, Irvine, CA; Orange, CA and Minneapolis, MN. University of California Irvine (WSCI Travel Award Winner) Abstract 153

Pulmonary and Critical Care I

Carmel Women's Club

Prescott Woodruff and Katja Ruh, Presiding

- 8:30 FREQUENCY COMB SPECTROSCOPY EXHALED BREATH BIOMARKERS.**
K Crader, JJ Repine and JE Repine, Denver, CO. University of Colorado Health Science Center (WSMRF) Abstract 154
- 8:45 HSP-70 LEVELS DECLINE IN DECEASED CRITICALLY ILL PATIENTS, RISE IN ALIVE CRITICALLY ILL PATIENTS FOLLOWING ADMISSION TO THE ICU.**
AG Edwards and PE Wischmeyer, Aurora, CO. University of Colorado School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 155
- 9:00 IMPLEMENTATION OF A POST-CARDIAC ARREST CARE BUNDLE INCLUDING EARLY GOAL-DIRECTED THERAPY AND THERAPEUTIC HYPOTHERMIA: A FEASIBILITY STUDY.**
K Morawski, HB Nguyen, D Ramsingh, K Lumen, C Davis, I Dorotta, D Bland and K Clem, Loma Linda, CA. Loma Linda University Abstract 156
- 9:15 HIGH ALTITUDE HYPOXIA ALTERS RIGHT VENTRICULAR FUNCTION IN HEALTHY VOLUNTEERS.**
BJ Jaiswal, E Kortekaas, S Vemulakonda, K Ruh, G Foster and J Anholm, Loma Linda, CA and Utrecht, Netherlands. Loma Linda University (Carmel AFMR Scholar Award Winner) (CTS) Abstract 157
- 9:30 SMOKING REDUCES SURFACTANT PROTEIN D AND PHOSPHOLIPID IN LAVAGE FROM SMOKERS WITH AND WITHOUT CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD).**
JM More, D Voelker, ED Chan and RP Bowler, Denver, CO and Stanford, CA. National Jewish Health (E.E. Osgood Winner) (WSMRF) Abstract 158
- 9:45 3-MERCAPTOPYRUVATE DITHIANE IN THE TREATMENT OF CYANIDE TOXICITY IN A RABBIT MODEL.**
J Ju, JG Kim, J Lee, S Mahon, D Lemor, S Patterson and M Brenner, Orange, CA; Irvine, CA and Twin Cities, MN. University of California, Irvine (California Thoracic Society Scholar Award Winner) (CTS) Abstract 159

10:00–10:15 Intermission

- 10:15 State-of-the-Art Speaker**
UPDATE ON ASTHMA.
Prescott Woodruff, University of California at San Francisco

- 10:45 NITRIC OXIDE METABOLISM IN FETAL AND ADULT PLASMA.**
K Vrancken, GG Power, LD Longo and AB Blood, Loma Linda, CA. Loma Linda University Abstract 160
- 11:00 STUDYING THE FERROPORTIN EXPRESSION IN THE MOUSE EYE AND BRAIN.**
M Hakimi, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 161

- 11:15 CORRELATION BETWEEN VENOUS BLOOD GAS AND ARTERIAL BLOOD GAS MEASUREMENTS IN HEALTHY YOUNG ADULTS.**
R Tone, J Rook and M Allard, Loma Linda, CA. *Loma Linda University School of Medicine* Abstract 162

Surgery I

Sunset Center, Green Room

Michael West, Presiding

- 8:30 COMPARISON OF LOCKING AND GRASPING LOOP CONFIGURATIONS USING FIBERWIRE IN FOUR-STRAND CRUCIATE FLEXOR TENDON REPAIR.**
S Chiu, R Meineke and MD Wongworawat, Loma Linda, CA. *Loma Linda University* Abstract 163
- 8:45 DURATION OF RED BLOOD CELL STORAGE AND POTASSIUM CONCENTRATIONS DURING ADULT LIVER TRANSPLANTATION.**
M Memarzadeh and VW Xia, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 164
- 9:00 COMPARISON OF A REDUCED RADIATION FLUOROSCOPY PROTOCOL TO CONVENTIONAL FLUOROSCOPY DURING UNCOMPLICATED URETEROSCOPY.**
DJ Greene, CF Tenggardjaja, RJ Bowman, G Agarwal, KY Ebrahimi and DD Baldwin, Loma Linda, CA. *Loma Linda University School of Medicine (WSMRF)* Abstract 165
- 9:15 POLYMETHYLMETHACRYLATE PARTICLES INHIBIT HUMAN MESENCHYMAL STEM CELL DIFFERENTIATION INTO OSTEOBLASTS.**
R Chiu, RL Smith and S Goodman, Stanford, CA. *Stanford University Medical School (WAFMR/WSI Subspecialty Award Winner) (WSMRF)* Abstract 166
- 9:30 WNT-SIGNALING REGULATES ANGIOGENESIS BY REGULATING NEUROFILIN-1 EXPRESSION IN OSTEOSARCOMA.**
SA Ghaffar, Y Guo, P McQueen, T Khoa, A Christ, J Xie, X Zi and B Hoang, Irvine, CA. *University of California, Irvine* Abstract 167
- 9:45 FLUOROSCOPIC ORGAN AND TISSUE SPECIFIC RADIATION EXPOSURE BY SEX AND BODY MASS INDEX DURING URETEROSCOPY.**
ND Krupp, FC Jellison, BJ Hill, KY Ebrahimi, JC Smith and D Baldwin, Loma Linda, CA. *Loma Linda University Medical Center* Abstract 168

10:00–10:15 Intermission

- 10:15 THE IMPORTANCE OF LYMPH NODE REMOVAL DURING GASTRECTOMY AND T-STAGING OF ADENOCARCINOMAS AT UCLA.**
D Ruiz and DT Hiyama, Westwood, CA and Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 169
- 10:30 MODULATION OF IONIC STRENGTH TO TAILOR MECHANICAL PROPERTIES OF FIBRIN GELS FOR OSTEOGENESIS.**
HE Davis, SL Miller and J Leach, Davis, CA. *University of California, Davis (WSMRF)* Abstract 170
- 10:45 CHANGES IN FACIAL SHAPE WITH AGE: AN ANALYSIS WITH THREE-DIMENSIONAL IMAGING.**
CS Carter, MC Camp, WW Wong and SC Gupta, Loma Linda, CA. *Loma Linda University (WSMRF)* Abstract 171
- 11:00 COMPARISON OF PERCUTANEOUS RADIOFREQUENCY AND CRYOABLATION FOR THE TREATMENT OF SMALL RENAL TUMORS.**
P Mahdavi, KY Ebrahimi, RJ Bowman, J Smith and DD Baldwin, Loma Linda, CA. *Loma Linda University* Abstract 172
- 11:15 HYBRID MANAGEMENT OF HYPOPLASTIC LEFT HEART SYNDROME AND ITS VARIANTS: THE NEVADA EXPERIENCE.**
WN Evans, A Galindo, A Rothman, RJ Acherman and KT Kip, Las Vegas, NV. *Children's Heart Center Nevada (WSPR)* Abstract 173

- 11:30** *State-of-the-Art Speaker*
ANSWERS OR QUESTIONS?
Michael A. West, *University of California, San Francisco*

STUDENT SCIENTIFIC SESSION I**Adolescent Med-Gen/Pediatrics/Neuroscience****WESTERN STUDENT MEDICAL RESEARCH FORUM***Sunset Center Chapman #4***8:30 AM–11:45 AM**
Friday, January 29, 2010*Hal Yee, Presiding*

- 8:30 PROPHYLACTIC TREATMENT OF AT-RISK PEDIATRIC ISCHEMIC STROKE PATIENTS WITH ASPIRIN AND LOW-DOSE HEPARIN.**
JC Jackson-Morgan and S Gizerian, Los Angeles, CA. *Charles Drew University of Medicine and Science* Abstract 174

- 8:45 A MOUSE MODEL OF POST-TRAUMATIC STRESS DISORDER FOR ASSESSMENT OF AVOIDANCE BEHAVIOR.**
NC James, K Kohli, M Flores and KK Caldwell, Albuquerque, NM. University of New Mexico School of Medicine Abstract 175
- 9:00 HEMODYNAMIC ANALYSIS OF SMALL MIDDLE CEREBRAL AND BASILAR ARTERY ANEURYSMS.**
J Lee, G Duckwiler and A Chien, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 176
- 9:15 NEURAL EMBRYONIC STEM CELLS CULTURED IN A SIMULATED MICROGRAVITY ENVIRONMENT SHOW ENHANCED PROLIFERATION AND SURVIVAL.**
KZ Oregel, A Espinosa-Jeffrey, J de Vellis and L Yuge, Los Angeles, CA and Hiroshima, Japan. David Geffen School of Medicine at UCLA Abstract 177
- 9:30 SEIZURE OUTCOMES OF LESIONECTOMY WITH AND WITHOUT INTRAOPERATIVE ELECTROCORIOGRAPHY IN CHILDREN WITH LESIONAL EPILEPSY.**
AW Battison, JN Gelinias, MB Connolly and P Steinbok, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 178
- 9:45 REPRODUCIBILITY AND PREVALENCE OF AUDITORY GATING DEFICITS IN MANIC ILLNESSES.**
T Parker, L Martin, R Freedman and A Olincy, Aurora, CO. University of Colorado Denver Abstract 179

10:00–10:15 Intermission

- 10:15 DECREASED $\alpha 7$ NICOTINIC RECEPTOR EXPRESSION MAY CONTRIBUTE TO SCHIZOPHRENIA-ASSOCIATED IMMUNE DYSREGULATION.**
P Teschke, Aurora, CO. University of Colorado Denver School of Medicine Abstract 180
- 10:30 STABILITY OF P50 SENSORY GATING IN PRESCHOOLERS.**
S Gillow, S Hunter and R Ross, Aurora, CO. University of Colorado Denver School of Medicine Abstract 181
- 10:45 REGULATION OF NEUROTROPHIN MATURATION AND SIGNALING BY DECORIN, IMPLICATIONS FOR ACUTE SPINAL CORD INJURY.**
M Light, K Minor, JE Davies and SJ Davies, Aurora, CO. University of Colorado School of Medicine (WSMRF) Abstract 182
- 11:00 WHITE MATTER ORGANIZATION AND RESPONSE TO CONSTRAINT INDUCED THERAPY IN CHILDREN WITH CEREBRAL PALSY.**
N Aljinovic, A Caprihan, PA Burtner, R Schrader and JP Phillips, Albuquerque, NM. University of New Mexico Abstract 183
- 11:15 WHOLE LIMB VIBRATION EFFECT ON MAGNETIC EVOKED POTENTIALS.**
N Fox, J McDonald and A Rodriguez, Seattle, WA. University of Washington (WSMRF) Abstract 184
- 11:30 THE EFFECT OF CEREBRAL AMYLOID ANGIOPATHY ON TRANSITION METALS HOMEOSTASIS IN ALZHEIMER'S DISEASE.**
A Jiffry, M Schrag, D Kirsch, H Vinters and W Kirsch, Loma Linda, CA and Los Angeles, CA. Loma Linda University School of Medicine Abstract 185

STUDENT SCIENTIFIC SESSION II

Community Health

WESTERN STUDENT MEDICAL RESEARCH FORUM

LaPlaya Hotel, Poseiden Room

8:30 AM–12:00 PM
Friday, January 29, 2010

Matthew McEchron, Presiding

- 8:30 LOW BACK PAIN PREVENTION AND EDUCATION IN THE HISPANIC MIGRANT WORKERS OF WENATCHEE, WASHINGTON.**
R Fisher, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 186
- 8:45 BRIGHTER SMILES AFRICA: EDUCATIONAL EVALUATION OF AN INTERNATIONAL ORAL HEALTH PARTNERSHIP.**
Y Wang, N Agirembabazi, W Jang, M Kagoda, N Kalvesubula, K Kirpruto, D Kisakye, N Kizito, N Radziminski, D Roccamatysi, M Sanghera, O Tabaro, A Kasangaki, W Cannon and A Macnab, Vancouver, BC, Canada and Kampala, Uganda. University of British Columbia and British Columbia Children's Hospital Abstract 187
- 9:00 BRIGHTER SMILES: CONTRIBUTIONS OF AN ABORIGINAL COMMUNITY TO AN INTERNATIONAL GLOBAL HEALTH PARTNERSHIP.**
D Roccamatysi, W Cannon, M Sanghera, Y Wang, N Radziminski, W Jang and A Macnab, Vancouver, BC, Canada. University of British Columbia and British Columbia Children's Hospital Abstract 188
- 9:15 IMPROVING CHILDREN'S HEALTH THROUGH YOGA IN SEWARD, ALASKA.**
M Ashraf, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 189

- 9:30 ANALYSIS OF EMERGENCY DEPARTMENT MORTALITIES WITH A FOCUS ON PREVENTION.**
EA Neufeld, K Harold, B Koo, S Cherry and B Chakravarthy, Colton, CA. Loma Linda University Abstract 190
- 9:45 UNIVERSAL NEWBORN HEARING SCREENING IN VALLEY COUNTY, IDAHO.**
K Wachtler, Seattle, WA. University of Washington School of Medicine Abstract 191
- 10:00–10:15 Intermission*
- 10:15 CAMPAIGN TO PROMOTE CHILD BICYCLE HELMET USE IN GARDEN VALLEY, IDAHO.**
MD Swanson, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 192
- 10:30 INCREASING PHYSICAL ACTIVITY FOR PRESCHOOL-AGED CHILDREN ON THE FLATHEAD RESERVATION.**
BK Belzer, Seattle, WA. University of Washington School of Medicine Abstract 193
- 10:45 IMPLEMENTATION OF A FRIENDLY VISITOR PROGRAM: PROVIDING RESPITE CARE FOR A RURAL MONTANA COMMUNITY.**
KE Gardner, Seattle, WA. University of Washington School of Medicine Abstract 194
- 11:00 BRIDGING THE GAP BETWEEN THE CORRECTIONAL DEPARTMENT AND COMMUNITY HEALTH CARE IN CANYON AND ADA COUNTIES, IDAHO.**
K Boggess, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 195
- 11:15 DIABETES MELLITUS TYPE TWO PREVENTION IN THE JUVENILE POPULATION OF DILLINGHAM, ALASKA.**
IJ Pennell-Walklin, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 196
- 11:30 MEDICATION ADHERENCE EDUCATION FOR SOMALI IMMIGRANT WOMEN IN SEATTLE, WASHINGTON.**
K Kelly, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 197
- 11:45 NEONATAL JAUNDICE EDUCATION OF LATINOS IN YAKIMA VALLEY.**
D Lepez, Seattle, WA. University of Washington (WSMRF) Abstract 198

STUDENT SCIENTIFIC SESSION III

Developmental Biology/Neonatology/Morphogenesis

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Carpenter Hall

8:30 AM–11:45 AM
Friday, January 29, 2010

Gary Satou, Presiding

- 8:30 LOW MUSCLE MASS AND LOW BMI IN OREGON WOMEN ARE ASSOCIATED WITH INCREASED ANTIOXIDANT EXPRESSION IN THE TERM PLACENTA.**
A Cedar, PF O'Tierney, C Morris and KL Thornburg, Portland, OR. Oregon Health & Science University (WSMRF) Abstract 199
- 8:45 EXPLORING THE ROLE OF H3K18AC HISTONE MODIFICATIONS IN CELLULAR DIFFERENTIATION.**
LA Chang, J Li and S Kurdistni, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 200
- 9:00 A HOX REGULATORY MODULE WITHIN THE LIMB SPECIFIC SHH REGULATORY REGION EXHIBITS DUAL ENHANCER AND INHIBITOR ACTIVITY.**
AN Huynh, CM Martin, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University Abstract 201
- 9:15 LIMB REGENERATION IN NORMAL AND OLIGOZEUGODACTYLY CHICKS.**
RO Woods, CU Pira, JF Fallon and KC Oberg, Loma Linda, CA and Madison, WI. Loma Linda University (WSPR Abbott Nutrition Lowell Glasgow Student Research Award) (WSMRF) Abstract 202
- 9:30 SEXUALLY DIMORPHIC DIRECTIONAL ASYMMETRY IN HAND TRAITS AND CORRELATION WITH DIABETES MELLITUS.**
TL Nguyen, J Martin, D Nguyen and V Davis, Pomona, CA. Western University of Health Sciences, COMP (WSMRF) Abstract 203
- 9:45 DEVELOPMENTAL MASSAGE THERAPY (DMT) DURING NEONATAL STRESS TEMPERS SUBCUTANEOUS ADIPOSE EXPRESSION OF GENES INVOLVED IN GLUCOCORTICOID RECEPTOR (GR) SIGNALING.**
J Thomson, S Haley, K Gulliver, B Barrett, RH Lane and LJ Moyer-Mileur, Salt Lake City, UT. University of Utah Abstract 204

10:00–10:15 Intermission

- 10:15 POSSIBLE ROLE OF 2ND TO 4TH DIGIT RATIOS (2D:4D) AS A MARKER FOR ADULT OBESITY.**
M Mohammad, Pomona, CA. Western University (WSMRF) Abstract 205

10:30	DIRECTIONAL ASYMMETRY IN THREE TRAITS IN LOW BACK PAIN PATIENTS. <i>J Meyers, Pomona, CA. Western University of Health Sciences</i>	Abstract 206
10:45	THE PANCREATIC RENIN-ANGIOTENSIN SYSTEM AND ITS CONTRIBUTION TO DIABETES IN THE OFFSPRING OF PROTEIN DEPRIVED MOTHERS. <i>C Wong, R Goyal and LD Longo, Loma Linda, CA. Loma Linda University</i>	Abstract 207
11:00	LONG TERM HYPOXIA MODULATION OF UCP-1 IN PERIRENAL ADIPOSE TISSUE IN THE LATE GESTATION OVINE FETUS. <i>MK Urquhart, K Furuta, D Myers, SM Yellon and CA Ducsay, Loma Linda, CA and Oklahoma City, OK. Loma Linda University</i>	Abstract 208
11:15	AGE-DEPENDENT EXPRESSION OF HEME OXYGENASE-1 IN MICE FOLLOWING ORAL ADMINISTRATION OF ZINC BIS GLYCOL PORPHYRIN. <i>CX He, H Zhao, F Kalish, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine</i>	Abstract 209
11:30	ELEMENTAL ANALYSIS OF NANOPARTICLES IN THE ENVIRONMENT WITH THE USE OF SCANNING ELECTRON MICROSCOPY AND ENERGY-DISPERSIVE X-RAY SPECTROSCOPY. <i>B Alva and M Malecki, La Verne, CA and Pomona, CA. University of La Verne</i>	Abstract 210

INVESTIGATOR WORKSHOPS

12:15 PM–1:15 PM
Friday, January 29, 2010

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

NAVIGATING YOUR ACADEMIC CAREER: GETTING ON COURSE AND STAYING ON COURSE.

Patrice Eiff, Oregon Health & Science University

Sunset Center–Chapman #4

SUCCESSFUL CAREERS IN ACADEMIC MEDICINE: MASTERING THE TOOLS TO START A LAB, FUND IT AND RUN IT!

Jane EB Reusch, University of Colorado Health Science Center

CALIFORNIA THORACIC SOCIETY–SESSION I

Carmel Women's Club
1:30 PM–5:00 PM
Friday, January 29, 2010

LUNG CANCER TREATMENT

Case Presentations, Audience & Panel Discussion

Russell C. Klein, Presiding

CASE I: 75-y/o currently still smoking with COPD (FEV1 1.2L) and h/o CAD. Right upper lobe 3 cm mass on chest CT, FNA shows Squamous Cell.

CASE II: 80 y/o quit smoking 20 years ago, right upper lobe mass 5 cm size. CT also shows extrinsic compression of bronchus intermedius by the mass. PET/CT shows SUV of 7 and suggests involvement of mediastinal nodes.

CASE III: 50-y/o Vietnamese woman who is a lifelong non-smoker presents with a cough, left lower lobe mass. FNA shows adenocarcinoma. Staging re-veals bone and brain metastases and a pleural effusion.

EXPERT PANELISTS:

Sarita Dubey, University of California, San Francisco

Betty Ferrell, City of Hope Medical Center, Duarte

David M. Jablons, University of California, San Francisco

Marianna Koczywas, City of Hope Medical Center, Duarte

Kenneth Y. Yoneda, University of California, Davis

**CONCURRENT SESSIONS
AND
STUDENT SCIENTIFIC SESSIONS**

**Friday, January 29, 2010
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 II Forniao, Pine Inn
Gastroenterology and Hepatology Green Room, Sunset Center
Health Care Research II Promenade Lobby, Sunset Center
Immunology and Rheumatology I Studio 105, Sunset Center
Infectious Diseases Room #6, Sunset Center
Morphogenesis and Malformations Rehearsal Room, Sunset Center
Neonatology General II All Saints Church, Auditorium
Nephrology and Hypertension Conductor's Room, Sunset Center

STUDENT SCIENTIFIC SESSIONS IV, V, VI, VII, and VIII

1:30 PM–5:00 PM

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

Adolescent Medicine and General Pediatrics

Sunset Center, Carpenter Hall

David W. Kaplan and Alberta S. Kong, Presiding

- 1:30 BODY SURFACE AREA DOES NOT INFLUENCE TIMING OF ONSET FOR CARDIOMYOPATHY IN BOYS WITH DUCHENNE OR BECKER MUSCULAR DYSTROPHY.**
S Sikder, C Cunniff, B Barber, JG Andrews, F Meaney and M Research Network, Tucson, AZ. University of Arizona College of Medicine (WSMRF) Abstract 211
- 1:45 REVERSIBILITY OF HYPERTHYROTROPINEMIA IN OBESE CHILDREN ASSOCIATED TO WEIGHT LOSS AND CHANGES IN TRIGLYCERIDES.**
JC Collazos, WN Evans, H Restrepo, K Bourque, A Marquez and E Bonabain, Las Vegas, NV. University of Nevada, School of Medicine Abstract 212
- 2:00 PHYSICAL, SOCIAL, AND BEHAVIOR CHANGES IN OVERWEIGHT CHILDREN TREATED IN A PSYCHOLOGY SUPPORTED WEIGHT MANAGEMENT PROGRAM.**
B Creel, WN Evans, GA Mayman, L Coviello, A Gustafson and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada Abstract 213
- 2:15 THE DIFFERENCES AMONG ETHNIC GROUPS IN THE RELATIONSHIP BETWEEN INSULIN RESISTANCE-ASSOCIATED PARAMETERS WITH SUGAR-SWEETENED BEVERAGE INTAKE AND PHYSICAL ACTIVITY LEVELS.**
AA Bremer, P Auinger and RS Byrd, Sacramento, CA and Rochester, NY. University of California, Davis (WSPR Mead Johnson Travel Award Winner) Abstract 214

2:30 State-of-the-Art Speaker
EVIDENCE BASED COMPLEMENTARY MEDICINE IN PEDIATRICS AND ADOLESCENT MEDICINE.
Cora Breuner, University of Washington, Seattle Children's Hospital

- 3:00 RELIGIOSITY AND HIGH RISK SEXUAL BEHAVIORS IN AFRICAN AMERICAN MALES: A THEORETICAL MODEL.**
Y Evans, Seattle, WA. *University of Washington/Seattle Children's Hospital* Abstract 215
- 3:15–3:30 Intermission
- 3:30 PREDICTING WHICH CHILDREN NEED SEDATION FOR CT SCAN.**
N Bonfanti, J Hartz and G Park, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 216
- 3:45 CREATION OF HEALTH RECORDS FOR ORPHANED CHILDREN AND YOUTH IN KAMPALA, UGANDA.**
W Jang, Y Wang, D Roccamatysi, M Sanghera, M Kagoda, K Kipruto, N Kizito, A Kasangaki, W Cannon and A Macnab, Vancouver, BC, Canada and Kampala, Uganda. *University of British Columbia and British Columbia Children's Hospital* Abstract 217
- 4:00 AN INTERACTIVE TEACHING MODULE FOR CARIES PREVENTION FOR SCHOOL CHILDREN.**
Y Wang, N Agirembabzi, W Jang, M Kagoda, N Kalyesubula, K Kipruto, D Kisaky, N Kizito, D Roccamatysi, M Sanghera, O Tabaro, A Kasangaki, W Cannon and A Macnab, Vancouver, BC, Canada and Kampala, Uganda. *University of British Columbia and British Columbia Children's Hospital* Abstract 218
- 4:15 INFLAMMATORY FIBROID POLYP IN A NEONATE PRESENTING AS GASTRIC OUTLET OBSTRUCTION.**
J Warolin and MM Jami, Fresno, CA and Madera, CA. *UCSF Fresno Medical Education Program* Abstract 219
- 4:30 THE PREVALENCE OF ELBOW FLEXION CONTRACTURE IN CHILDREN WITH BRACHIAL PLEXUS BIRTH PALSY.**
LC Sheffler, A Bagley and MA James, Sacramento, CA. *University of California, Davis (WSPR Subspecialty Award Winner)* Abstract 220

Cardiovascular II

Ocean Room, Pine Inn, Il Forniao

Priscilla Hsue, Presiding

- 1:30 AORTIC STIFFNESS IS A CAUSE OF LEFT VENTRICULAR DIASTOLIC DYSFUNCTION IN SYSTEMIC LUPUS ERYTHEMATOSUS.**
IB Alomari, K Awad, C Qualls, C O'Rourke, J Sharrar, W Sibbitt and C Roldan, Albuquerque, NM. *University of New Mexico* Abstract 221
- 1:45 LAMBL'S EXCRESCENCES IN SYSTEMIC LUPUS ERYTHEMATOSUS: PREVALENCE, PATHOGENESIS, AND CARDIOEMBOLIC RISK.**
JD Martinez, C Qualls, C O'Rourke, J Sharrar, W Sibbitt and C Roldan, Albuquerque, NM. *University of New Mexico* Abstract 222
- 2:00 LEFT ATRIAL APPENDAGE VELOCITIES PREDICT LEFT VENTRICULAR DIASTOLIC DYSFUNCTION IN PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS: A CONTROLLED TRANSESOPHAGEAL ECHOCARDIOGRAPHIC STUDY.**
K Awad, I Alomari, C Qualls, C O'Rourke, J Sharrar, W Sibbitt and C Roldan, Albuquerque, NM. *University of New Mexico* Abstract 223
- 2:15 CEREBRAL BLOOD FLOW BY CAROTID DUPLEX IN PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS AND ACUTE NEUROLOGIC SYNDROMES.**
TT Issac, C Qualls, J Sharrar, C O'Rourke, R Greene, W Sibbitt and CA Roldan, Albuquerque, NM. *University of New Mexico* Abstract 224
- 2:30 NOVEL PLASMA BIOMARKER CANDIDATES IN PATIENTS WITH CONGESTIVE HEART FAILURE.**
C MacLellan, J LeBlanc, T Horwich, G Fonarow and R MacLellan, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 225
- 2:45 HEART FAILURE PATIENTS HAVE SEVERE BRAIN HIPPOCAMPAL VOLUME LOSS.**
C Abouzeid, P Macey, R Kumar, M Woo and R Harper, Los Angeles, CA. *University of Southern California* Abstract 226
- 3:00 LOWER BMI AND DIABETES ARE ASSOCIATED WITH INCREASED HOSPITALIZATION AND ALL CAUSE MORTALITY IN ELDERLY HEART FAILURE PATIENTS.**
MG Hematillake, S McFarland, P Deedwania, J Evans, R Mallios, PJ Goebel, A Cohen and J Huang, Fresno, CA. *VA Central California Health Care System (WSCI Travel Award Winner)* Abstract 227

3:15–3:30 Intermission

- 3:30 MARKED GENDER VARIATION IN THE PREVALENCE OF A THIRD HEART SOUND IN HOSPITALIZED HEART FAILURE PATIENTS.**
K McDonnell, K Desser and R Gerkin, Phoenix, AZ. *Banner Good Samaritan Medical Center* Abstract 228
- 3:45 RAPIDLY PROGRESSIVE PERIPARTUM CARDIOMYOPATHY PRESENTING PRENATALLY.**
IB Alomari and K Awad, Albuquerque, NM. *University of New Mexico* Abstract 229
- 4:00 LVAD AS A BRIDGE TO RECOVERY IN YOUNG CHILDREN WITH CARDIOMYOPATHY: A LONGITUDINAL ECHOCARDIOGRAPHIC STUDY.**
CL Ilnat, H Zimmerman, J Copeland, D Lax, D Covington, RG Smith, BJ Blair, R Meyer and BJ Barber, Tucson, AZ. *University of Arizona* Abstract 230

- 4:15 SAFE TRANSITION OF PEDIATRIC HEART TRANSPLANT PATIENTS TO THE ADULT HEART TRANSPLANT PROGRAM.**
Z Goldstein, M Hamilton and J Kobashigawa, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 231
- 4:30 IDIOPATHIC DILATION OF THE ASCENDING AORTA IN CHILDREN.**
RC Rollins, WN Evans and H Restrepo, Las Vegas, NV. *Children's Heart Center Nevada (WSPR)* Abstract 232
- 4:45 PHONOCARDIOGRAPHY AS A TOOL FOR ENHANCING MURMUR CHARACTERIZATION AMONG PEDIATRIC RESIDENTS.**
NA Hindoyan, D Schidlow and R Chang, Los Angeles, CA and Torrance, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 233

Gastroenterology and Hepatology

Sunset Center, Green Room

Jonathan P. Terdiman, Presiding

- 1:30 REGULATION OF LIVER SINUSOIDAL ENDOTHELIAL CELL (SEC) PHENOTYPE AND THERAPEUTIC IMPLICATION.**
G Xie, GC Kanel and LD DeLeve, Los Angeles, CA. *University of Southern California* Abstract 234
- 1:45 ROLE OF OCCLUDIN IN INTESTINAL EPITHELIAL TIGHT JUNCTION BARRIER.**
MA Youssef, K Khatib, R Al-Sadi and T Ma, Albuquerque, NM. *University of New Mexico (WSMRF)* Abstract 235
- 2:00 ROLE OF PARATHYROID HORMONE-RELATED PROTEIN (PTHrP) IN INTESTINAL EPITHELIAL CELL APOPTOSIS IN THE PATHOGENESIS OF NECROTIZING ENTEROCOLITIS/ROCOLITIS.**
H Sierra, B Ibe, J Torday and V Rehan, Torrance, CA. *LA Biomedical Research Institute (Carmel AFMR Scholar Award Winner) (WSPR)* Abstract 236
- 2:15 A SYSTEMATIC REVIEW COMPARING IMMUNOPROPHYLAXIS REGIMENS AFTER LIVER TRANSPLANTATION WITH HEPATITIS B CORE ANTIBODY POSITIVE DONORS.**
B Waterman, A Chi and S Saab, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 237
- 2:30 TREATMENT OUTCOME OF PROTON PUMP INHIBITOR VERSUS HISTAMINE-2 RECEPTOR ANTAGONIST THERAPY FOR GASTROESOPHAGEAL REFLUX DISEASE IN PEDIATRIC PATIENTS.**
M Cox and DA Gremse, Las Vegas, NV. *University of Nevada School of Medicine* Abstract 238
- 2:45 INFLIXIMAB AS A RESCUE THERAPY FOR PREVENTION OF URGENT COLECTOMY IN ULCERATIVE COLITIS PATIENTS.**
TS Rihani, M Othman and P Roy, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 239
- 3:00 A CASE OF BEHCET'S DISEASE WITH INTESTINAL INVOLVEMENT DUE TO CROHN'S DISEASE.**
F Rasool, Loma Linda, CA. *Loma Linda University Medical Center (WAFMR)* Abstract 240

3:15–3:30 Intermission

- 3:30 DOES PRE-BIOPSY CONTRAST ENEMA DELAY THE DIAGNOSIS OF LONG SEGMENT HIRSCHSPRUNG'S DISEASE?**
J Chen, E Skarsgard and D Jamieson, Vancouver, BC, Canada. *BC Children's Hospital (WSMRF)* Abstract 241
- 3:45 State-of-the-Art Speaker
HEREDITARY DIFFUSE GASTRIC CANCER.**
Jonathan P. Terdiman, *University of California, San Francisco*
- 4:15 MAPPING OF CHROMATIN DYNAMICS IN THE CUP1/RUF5 LOCUS DURING CUP1 GENE ACTIVATION.**
LM Wilson, O Yazgan and JE Krebs, Seattle, WA and Anchorage, AK. *University of Washington (WSMRF)* Abstract 242

Health Care Research II

Sunset Center, Promenade Lobby

Paul Gorman, Presiding

- 1:30 CHARACTERISTICS OF WOMEN UNDERGOING TUBAL LIGATION IN LAS VEGAS, NEVADA.**
C Graham, L Rosenfield, C Mangalindan, E Ezeanolue, M Kirgan and S Elsadat, Las Vegas, NV and Nevada, NV. *University of Nevada School of Medicine* Abstract 243
- 1:45 A QUALITY IMPROVEMENT MODEL FOR DISSEMINATING SCHOOL MENTAL HEALTH CARE.**
N Sanchez, S Kataoka, A Langley, L Jaycox, B Stein and P Vona, Los Angeles, CA and Santa Monica, CA. *David Geffen School of Medicine at UCLA* Abstract 244
- 2:00 WITHDRAWN** Abstract 245
- 2:00 MATERNAL MORTALITY IN THE WWAMI STATES.**
C Chen and T Benedetti, Seattle, WA. *University of Washington (WSMRF)* Abstract 246
- 2:15 SHOULD WE ROUTINELY SCREEN ALL NEWBORNS FOR METHICILLIN RESISTANT STAPHYLOCOCCUS AUREUS?**
A Weiner, E Ezeanolue, M Buttner, P Cruz, C Cross, J Henry and I Jack, Las Vegas, NV. *University of Nevada School of Medicine* Abstract 247
- 2:30 IMPACT OF AN ASTHMA CLINICAL PATHWAY ON JOINT COMMISSION INPATIENT ASTHMA PERFORMANCE MEASURES.**
B Fassl, F Nkoy, T Simon, R Srivastava and C Maloney, Salt Lake City, UT. *University of Utah (WSCI Travel Award Winner) (WAFMR)* Abstract 248

- 2:45 HOW DOES STRUCTURED DATA ENTRY AFFECT MEASURED QUALITY OF CARE?**
S Almeida, CP Roth, DB Reuben, NS Wenger and DA Ganz, Los Angeles, CA and Santa Monica, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 249
- 3:00 SLEEPINESS IN TRAINING HOUSE STAFF DESPITE REGULATED WORK HOURS.**
GP Singh, RS Sirohi, T Singh and J Saffier, French Camp, CA. *San Joaquin General Hospital* Abstract 250

3:15–3:30 Intermission

- 3:30 TRENDS IN TOBACCO-DEPENDENCE CURRICULA IN U.S. MEDICAL SCHOOLS BASED ON 1998 AND 2008 SURVEYS.**
D Stillman, R Lee, D Chu and S Yu, Loma Linda, CA. *Loma Linda Medical School* Abstract 251
- 3:45 USE OF THE VETERANS AFFAIRS COMPUTER DATABASE TO DETECT UNDIAGNOSED PRIMARY HYPERALDOSTERONISM.**
EA Garcia, JR Lopez, JL Meier, AL Swislocki and D Siegel, Martinez, CA and Davis, CA. *VA Northern California Health Care System* Abstract 252
- 4:00 REPORTING OF CONTINUOUS OUTCOME MEASURES IN RANDOMIZED CLINICAL TRIALS: IS THE WHOLE STORY BEING TOLD?**
DF Savage, DL Schriger and D Altman, Los Angeles, CA and Oxford, United Kingdom. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 253
- 4:15 State-of-the-Art Speaker**
USING PATIENTS' PERCEPTIONS OF THEIR HEALTH TO EVALUATE AND IMPROVE HEALTH CARE DELIVERY.
Stephan Fihn, *University of Washington*

Immunology and Rheumatology I

Sunset Center, Studio 105

David Daikh and Eliza Chakravarty, Presiding

- 1:30 CHARACTERIZATION OF C-REACTIVE PROTEIN-INDUCED SUPPRESSIVE MACROPHAGES.**
C Arriens, L Marnell and TW DuClos, Albuquerque, NM. *University of New Mexico (WSMRF)* Abstract 254
- 1:45 HYPOXIA INDUCIBLE FACTOR 1 α (HIF-1 α) REGULATES NEUTROPHIL EXTRACELLULAR TRAP (NET) FORMATION IN MODEL POLYMORPHONUCLEAR LEUKOCYTES (PMN).**
AM McInturff, M Cody, J Rowley, E Harris, W Andrew, G Zimmerman and C Yost, Salt Lake City, UT. *University of Utah* Abstract 255
- 2:00 State-of-the-Art Speaker**
OSTEOIMMUNOLOGY - A FIELD OF EMERGING IMPORTANCE FOR BASIC AND CLINICAL RESEARCH.
Mary C. Nakamura, *University of California, San Francisco*
- 2:30 INNATE IMMUNE RESPONSE OF NEUTROPHILS TO PROPIONIBACTERIUM ACNES.**
B Hartman, J Kim, H Lin, M Gao and R Teles, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 256
- 2:45 DIFFERENTIAL PHOSPHORYLATION OF RAPTOR IN POLYMORPHONUCLEAR LEUKOCYTES ISOLATED FROM PREMATURELY BORN INFANTS AS COMPARED TO THOSE ISOLATED FROM HEALTHY ADULTS.**
CC Yost, M Cody, A McInturff and G Zimmerman, Salt Lake City, UT. *University of Utah (WSCI Travel Award Winner) (WSPR)* Abstract 257
- 3:00 AN INTACT HUMAN ENDOTHELIAL CELL MONOLAYER INHIBITS NEUTROPHIL EXTRACELLULAR TRAP FORMATION BY POLYMORPHONUCLEAR LEUKOCYTES.**
MJ Cody, M Martinez, N Thornton and C Yost, Salt Lake City, UT. *University of Utah* Abstract 258

3:15–3:30 Intermission

- 3:30 EFFECTS OF AM580 AND ROSIGLITAZONE ON B CELL CD1D EXPRESSION AND NKT CELL FREQUENCY.**
C Biggs, B Chung, C Nie, T Elliott, P van den Elzen, D Panagiotopoulos and R Tan, Vancouver, BC, Canada. *University of British Columbia* Abstract 259
- 3:45 RAS ABNORMALITIES IN LUPUS T CELLS.**
I Moldovan, A Shah, K Colburn and LM Green, Loma Linda, CA. *Loma Linda University (WAFMR)* Abstract 260
- 4:00 ABERRANT B LYMPHOCYTE HOMEOSTASIS IN AUTOIMMUNE HUMAN SPLEEN AND PERIPHERAL BLOOD AND ITS POTENTIAL IMPLICATIONS IN AUTOIMMUNE DISEASES.**
V Velkuru, A Benitez, I Baez, K Payne and K Colburn, Loma Linda, CA. *Loma Linda University Medical Center* Abstract 261
- 4:15 A CASE OF VOGT-KOYANAGI-HARADA (VKH) SYNDROME.**
F Rasool, Loma Linda, CA. *Loma Linda University Medical Center (WAFMR)* Abstract 262
- 4:30 DOES SONOGRAPHIC NEEDLE GUIDANCE AFFECT THE CLINICAL OUTCOME OF INTRAARTICULAR INJECTIONS?**
N Chavez-Chiang, W Sibbitt, A Bankhurst, K Park, S DeLea and P Band, Albuquerque, NM and New York, NY. *University of New Mexico Hospital (Carmel AFMR Scholar Award Winner)* Abstract 263

- 4:45 SONOGRAPHIC GUIDANCE FOR INTRAARTICULAR THERAPY OF OSTEOARTHRITIS OF THE KNEE.**
N Chavez-Chiang, W Sibbitt, A Bankhurst, K Park, S Delea and P Band, Albuquerque, NM and New York, NY. University of New Mexico Hospital Abstract 264
- 5:00 IDIOPATHIC RETROPERITONEAL FIBROSIS AND HYPOGAMMA-GLOBULINEMIA.**
KY Wang and RL Roberts, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 265

Infectious Diseases

Sunset Center, Room # 6

Joseph M. Vinetz and David Gilbert, Presiding

- 1:30 State-of-the-Art Speaker**
USING AMINOGLYCOSIDES IN GENETIC TARGETING: UNDERSTANDING AND MINIMIZING INTRACELLULAR TOXICITY.
Bruce Molitoris, Indiana University
- 2:00 IDENTIFICATION OF TWO NOVEL SECRETED PROTEINS INVOLVED IN TRICHOMONAS VAGINALIS PATHOGENESIS.**
O Twu, N de Miguel, J Wohlschlegel and P Johnson, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 266
- 2:15 THE ROLE OF BOPA AND BOPB IN BRUCELLA SPP PATHOGENESIS.**
V Atluri, AB den Hartigh, Y Sun, M de Jong and R Tsolis, Davis, CA. University of California, Davis Abstract 267
- 2:30 THE EVOLUTION OF HEPATITIS C VIRUS INNATE IMMUNE EVASION.**
PS Pang, PJ Planet, EA Pham and JS Glenn, Stanford, CA; New York, NY and Palo Alto, CA. Stanford University (WSCI Travel Award Winner) Abstract 268
- 2:45 TYPE VI SECRETION IN BURKHOLDERIA THAILANDENSIS: REGULATION OF A VIRULENCE LOCUS AND DISCOVERY OF A SECRETED PROTEIN.**
B Ohlson and J Mougous, Seattle, WA. University of Washington Abstract 269
- 3:00 REVERSE ENGINEERING OF NATURAL INFECTION REVEALS A MEANS TO PHENOCOPY VIRAL IMMUNE RESPONSES USING NON-MICROBIAL VACCINES.**
JS Kurche and R Kedl, Denver, CO. University of Colorado Abstract 270

3:15–3:30 Intermission

- 3:30 PANDEMIC (H1N1) 2009 INFLUENZA A IN THE CENTRAL VALLEY: A REVIEW OF PEDIATRIC CASES TREATED AT A TERTIARY CHILDREN'S HOSPITAL.**
K Umapathy, N Banh, G Pullen and D Pugatch, Fresno, CA. Children's Hospital Central California Abstract 271
- 3:45 CHEMICALLY SYNTHESIZED PEPTIDES AND PEPTOIDS AFFECT HERPES SIMPLEX VIRUS - TYPE 1 ENTRY IN CELL CULTURE.**
S Hubbard, D Rabenstein and V Tiwari, Pomona, CA and Riverside, CA. Western University of Health Sciences Abstract 272
- 4:00 CALCIUM OXALATE CRYSTALS DECODE THE PULMONARY RHIZOPOZZLE IN A PULMONARY ABSCESS.**
CG Tang, CC Goette, J Lin, V Ng and AH Harken, Oakland, CA. Kaiser Permanente Oakland Medical Center (WSMRF) Abstract 273
- 4:15 APPLICATION OF GENOMICS IN THE PUBLIC AND PRIVATE SECTORS TO ADDRESS ANTIMICROBIAL RESISTANCE.**
 Mentor: Gail H. Cassell, *Eli Lilly and Company*
 Mentee: John Glass, *Eli Lilly and Company*

Morphogenesis and Malformations

Sunset Center, Rehearsal Room

Margaret Adam and Louanne Hudgins, Presiding

- 1:30 A SOUTH AFRICAN MIXED RACE LIP/PHILTRUM GUIDE FOR DIAGNOSIS OF FETAL ALCOHOL SPECTRUM DISORDERS.**
DB Hoyme, HE Hoyme, KL Jones, L Robinson, M Manning, H Bezuidenhout, AS Marais, W Kalberg, J Gossage and P May, Tucson, AZ; Sioux Falls, SD; San Diego, CA; Buffalo, NY; Stanford, CA; Cape Town, South Africa and Albuquerque, NM. University of Arizona (WSPR Outstanding Resident Award Winner) Abstract 274
- 1:45 ANALYSIS OF GENETIC VARIATION WITHIN FOXE1 AND RISK FOR OROFACIAL CLEFTS.**
NH Mohammed, DM Iovannisci, B Lin, K Schultz, E Lammer, G Shaw and A Lidral, Oakland, CA; Palo Alto, CA and Iowa City, IA. CHORI (WSPR Subspecialty Award Winner) Abstract 275
- 2:00 SPRED1 AND NF1 EXON 22 ANALYSIS OF INDIVIDUALS WITH PIGMENTARY DYSPLASIA.**
DA Stevenson, TM Muram-Zborovski, CP Vaughn, DH Viskochil, H Hanson and R Mao, Salt Lake City, UT. University of Utah (Carmel AFMR Scholar Award Winner) (WSPR) Abstract 276
- 2:15 CORONARY ARTERY FISTULAS IN INFANTS LESS THAN 6 MONTHS OLD.**
WN Evans, RJ Acherman, KT Kip and H Restrepo, Las Vegas, NV. Children's Heart Center Nevada (WSPR) Abstract 277
- 2:30 OCULOCEREBROCRUTANEOUS (DELLEMAN) SYNDROME: A NEW CASE WITH PRENATAL FINDINGS AND DIFFERENTIAL DIAGNOSIS.**
E Muller, P Barnes, K Montez, J Hahn, J Yang, S Hintz, A Penn and G Enns, Stanford, CA and Palo Alto, CA. Stanford School of Medicine (WSPR Mead Johnson Travel Award Winner) Abstract 278

- 2:45 MICRODUPLICATION 21q22.3 IN A CHILD WITH DEVELOPMENTAL DELAY, MARFAN SYNDROME AND 47,XYX KARYOTYPE.**
G Cisneros, J Rosenfeld, J Fisher, M Joseph and C Curry, Fresno, CA and Spokane, WA. University of California, San Francisco Abstract 279
- 3:00 THE ASSOCIATION OF DEVELOPMENTAL DELAY AND HYPOTONIA WITH MICRODELETIONS OF CHROMOSOME 17Q12.**
K Bermudez Wagner and A Slavotinek, San Francisco, CA. University of California, San Francisco Abstract 280
- 3:15–3:30 Intermission*
- 3:30 ABNORMAL METHYLATION OF LIT1 IN FEMALE MONOZYGOTIC TWINS DISCORDANT FOR BECKWITH-WIEDEMANN SYNDROME.**
N Zadeh, TM Zadeh and MA Manning, Stanford, CA and Orange, CA. Stanford University (WSPR) Abstract 281
- 3:45 STUDIES OF THE FREQUENCY OF ASSISTED REPRODUCTIVE TECHNOLOGY (ART) BIRTHS AND TWINNING IN PRADER-WILLI SYNDROME.**
J Gold, C Ruth and V Kimonis, Orange, CA. University of California, Irvine (WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award Winner) (WSPR) Abstract 282
- 4:00 FETAL ULTRASOUND AND PRENATAL MOLECULAR DIAGNOSIS ELUCIDATE THE PROGNOSIS OF PFEIFFER SYNDROME.**
AC Jelin, C Herrick, J Chang, V Feldstein, MN Strecker and KA Rauen, San Francisco, CA. University of California, San Francisco Abstract 283
- 4:15 A NEW FAMILY WITH CAMPTODACTYLY, ARTHROPATHY, COXA VARA, PERICARDITIS (CACP) SYNDROME AND A PREDOMINANTLY RHEUMATOLOGICAL PRESENTATION.**
D Vats and A Slavotinek, San Francisco, CA. University of California, San Francisco Abstract 284
- 4:30 State-of-the-Art Speaker
MOLECULAR EMBRYOPATHY: CLUES TO REGENERATIVE MEDICINE.**
Kerby C. Oberg, Loma Linda University

Neonatology General II

All Saints Church, Auditorium

Shrena Patel and Victoria Camerini, Presiding

- 1:30 SERIAL B-TYPE NATRIURETIC PEPTIDE LEVELS AND CHANGE IN PATENT DUCTUS ARTERIOSUS IN PRETERM INFANTS.**
S Chen, R Clyman and T Tacy, San Francisco, CA. University of California, San Francisco (WSMRF) Abstract 285
- 1:45 BRAIN NATRIURETIC PEPTIDE AND ECHOCARDIOGRAPHIC INDICES OF LEFT VENTRICULAR PERFORMANCE IN VERY LOW BIRTH WEIGHT INFANTS.**
S Perugu, V Rehan and B Baylen, Torrance, CA. Harbor UCLA Medical Center Abstract 286
- 2:00 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, P Wong and I Seri, Los Angeles, CA. LAC+USC Medical Center (WSPR) Abstract 287
- 2:15 SAFE USE OF CEREBRAL/SOMATIC OXIMETER IN EXTREMELY PRETERM INFANTS WITHIN THE FIRST 24 HOURS OF LIFE.**
RG Cayabyab, K Barseghyan, S Soleymani, M Borzage and I Seri, Los Angeles, CA. LAC+USC Medical Center Abstract 288
- 2:30 INDUCTION OF PANETH CELL ANTIMICROBIAL PRODUCTS IN EXPERIMENTAL NECROTIZING ENTEROCOLITIS.**
MA Underwood, A Kananurak, L Khailova, B Dvorak and C Bevins, Sacramento, CA; Davis, CA and Tucson, AZ. University of California Davis School of Medicine Abstract 289
- 2:45 LACTOBACILLUS FEEDING INCREASES CD8AA+ INTRAEPITHELIAL CELLS IN THE INTESTINE OF SUCKLING MICE.**
CH Song, K Goth and V Camerini, Los Angeles, CA. LAC+USC Medical Center at University Southern California Abstract 290
- 3:00 NITRITE SUPPLEMENTATION FOR THE PREVENTION OF NECROTIZING ENTEROCOLITIS IN NEWBORN RAT PUPS.**
JA Kanady, A Austin, A Hopper, K Oberg, S Castelino-Prabhu, G Power and A Blood, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 291

3:15–3:30 Intermission

- 3:30 THE EFFECTS OF DIFFERENT THAWING METHODS ON THE NUTRITIONAL PROPERTIES IN HUMAN MILK.**
J Treidl, G Chan and G Gill, Salt Lake City, UT. University of Utah Abstract 292
- 3:45 MORBIDITIES OF LATE PRETERM INFANTS BORN FROM 1993–2007 IN A TERTIARY CARE CENTER.**
KK Rezaie, KC Bui, L Barton and R Ramanathan, Los Angeles, CA. LAC+USC Medical Center and Children's Hospital Los Angeles, Keck School of Medicine Abstract 293

- 4:00 LIVER IGF-1 MRNA EXPRESSION IS DECREASED BY MECHANICAL VENTILATION OF PRETERM LAMBS.**
CA Blair, C Amundsen, D Metcalfe, MJ McCoy, B Beck, A Whitworth, A Smith, J Alvord, L Dong, MJ Dahl, L Joss-Moore, L Moyer-Mileur, DM Null, BA Yoder, RH Lane, RA McKnight and KH Albertine, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) Abstract 294
- 4:15 EXPERT MODELING IMPROVES THE RETENTION OF BEHAVIORAL SKILLS IN SIMULATION-BASED NEONATAL RESUSCITATION TRAINING.**
D Leonard, H Hackman, G Desandre, K Boyle, J Leflore and A Jodee, Portland, OR; San Jose, CA; Stanford, CA and Arlington, TX. Oregon Health & Science University (Carmel AFMR Scholar Award Winner) (WSPR) Abstract 295
- 4:30 EXPERT MODELING IMPROVES THE RETENTION OF TECHNICAL SKILLS IN NEONATAL RESUSCITATION TRAINING.**
D Leonard, H Hackman, K Leaning, J Leflore and J Anderson, Portland, OR and Arlington, TX. Oregon Health & Science University Abstract 296
- 4:45 SKILL DEGRADATION VERSUS INEFFECTIVE TEACHING: DEVIATIONS FROM THE NEONATAL RESUSCITATION PROGRAM.**
K Townes McMann, D Leonard and J Anderson, Portland, OR. Oregon Health & Science University (WSMRF) Abstract 297
- 5:00 DISASTER PLANNING - TRIAGING RESOURCE ALLOCATION IN NEONATOLOGY.**
RS Cohen, B Murphy, T Ahern and A Hackel, Palo Alto, CA and Los Angeles, CA. Stanford University (WSPR) Abstract 298

Nephrology and Hypertension

Sunset Center, Conductor's Room

William Bennett, Presiding

- 1:30 REGRESSION OF ESTABLISHED LESIONS OF TYPE 2 DIABETIC NEPHROPATHY USING A PEPTIDE-DRUG.**
SB Nicholas, T Cho, J Kim, H Kim and N Vaziri, Los Angeles, CA and Irvine, CA. David Geffen School of Medicine at UCLA (WSCI Travel Award Winner) (WAP) Abstract 299
- 1:45 DEVELOPMENT OF A NOVEL RGD-VAULT NANOCAPSULE FOR DRUG DELIVERY AND INVESTIGATION OF SIGNALING MECHANISMS IN TYPE 2 DIABETIC NEPHROPATHY.**
TA Brown-Bryan, T Cho, J Kim, K Norris, V Kickhoefer, L Rome and SB Nicholas, Los Angeles, CA. Charles Drew University (Carmel AFMR Scholar Award Winner) (WAP) Abstract 300
- 2:00 INTERLEUKIN-33 (IL-33) IN CISPLATIN-INDUCED ACUTE KIDNEY INJURY (CISAKI).**
C Edelstein, A Akcay, Q Nguyen, Z He, S Faubel and A Jani, Aurora, CO. University of Colorado Denver (WAP) Abstract 301
- 2:15 RAB26 FUNCTIONS IN THE RENAL EPITHELIAL PRIMARY CILIUM.**
BR Peterson, H Ward and A Wandinger-Ness, Albuquerque, NM. The University of New Mexico School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 302
- 2:30 A PROSPECTIVE SURVEILLANCE STRATEGY MINIMIZES BK VIRUS NEPHROPATHY.**
WM Bennett, L Meyer, J Ridenour and T Batiuk, Portland, OR. Legacy Transplant Services Abstract 303
- 2:45 State-of-the-Art Speaker**
GENOMIC AND NON-GENOMIC ACTIONS OF ALDOSTERONE: IMPLICATIONS FOR EDEMATOUS DISORDERS, HYPERTENSION, METABOLIC SYNDROME, AND CHRONIC KIDNEY DISEASE.
Robert Schrier, University of Colorado Health Sciences Center

3:15–3:30 Intermission

- 3:30 SUCCESSFUL TREATMENT OF BK VIREMIA WITH CIPROFLOXACIN IN PEDIATRIC RENAL TRANSPLANT RECIPIENTS.**
RA Zaman, EW Tsai, MH Malekzadeh, H Cheam and RB Ettenger, Los Angeles, CA. Mattel Children's Hospital, UCLA Abstract 304
- 3:45 VITAMIN D INDUCES CELL DIFFERENTIATION BY DOWNREGULATING THE EXPRESSION OF MEMBERS OF THE WNT SIGNALING PATHWAY IN MESENCHYMAL MULTI-POTENT CELLS.**
JN Artaza, F Sirad, D Vernet and KC Norris, Los Angeles, CA and Torrance, CA. Charles Drew University (Carmel AFMR Scholar Award Winner) (WAFMR) Abstract 305
- 4:00 ROLE OF IMPAIRED NRF2-KEAP1 PATHWAY IN CKD-INDUCED OXIDATIVE STRESS AND INFLAMMATION.**
ND Vaziri and HJ Kim, Orange, CA. University of California, Irvine (WAP) Abstract 306
- 4:15 LOSS OF THE INTERSTITIAL PROTEIN VITRONECTIN DECREASES THE PROGRESSION OF RENAL FIBROSIS IN OBSTRUCTIVE NEPHROPATHY.**
A Rassa, J Lopez-Guisa, S Collins and A Eddy, Seattle, WA. University of Washington (WSMRF) Abstract 307
- 4:30 EFFECTS OF END-STAGE RENAL DISEASE AND HEMODIALYSIS ON DENDRITIC CELL SUBSETS AND BASAL AND LPS-STIMULATED CYTOKINE PRODUCTION.**
MV Pahl, Orange, CA. University of California, Irvine (WAP) Abstract 308
- 4:45 MONITORING NON-COMPLIANCE AND GRAFT REJECTION IN PEDIATRIC RENAL TRANSPLANT PATIENTS USING VARIATION IN BLOOD IMMUNOSUPPRESSANT LEVELS.**
HE Fernandez, M Hsiau, E Tsai, D Gjertson, MH Malekzadeh and RB Ettenger, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 309

STUDENT SCIENTIFIC SESSION IV

Hematology-Oncology/Oncologic Surgery

WESTERN STUDENT MEDICAL RESEARCH FORUM

LaPlaya Hotel, Poseiden Room

1:30 PM–4:45 PM

Friday, January 29, 2010

Marguerite McNeely, Presiding

- 1:30** **EVALUATION OF THE EFFECTS HIP PROSTHETICS HAVE ON PROTON RADIATION THERAPY FOR PROSTATE CANCER.**
TB Jeider, DA Bush and JD Slater, Loma Linda, CA. Loma Linda University Abstract 310
- 1:45** **EFFECTS OF ACUTE DIETARY MODIFICATION OF THE RATIO OF OMEGA-3 FATTY ACIDS TO OMEGA-6 FATTY ACIDS ON PLATELET FUNCTION: A PROSPECTIVE, PRELIMINARY STUDY.**
MJ Matus, B Bull, K Hay and S Aka, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 311
- 2:00** **IRREVERSIBLE ELECTROPORATION IN THE TREATMENT OF RABBIT VX2 LIVER TUMOR.**
MB Totonchy, EW Lee, V Prieto, D Wong, S Dry, CT Loh and ST Kee, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 312
- 2:15** **INFLUENCE OF IMATINIB MESYLATE ON BONE MARROW-DERIVED DENDRITIC CELLS.**
E Situ, E Katsanis and N Larmonier, Tucson, AZ. University of Arizona College of Medicine Abstract 313
- 2:30** **OTOTOXICITY AS A PREDICTOR OF OUTCOME IN OSTEOSARCOMA PATIENTS TREATED WITH CISPLATIN.**
A Dedhar, B Brooks, C Senger, F Kozac and R Rassekh, Vancouver, BC, Canada. University of British Columbia Abstract 314
- 2:45** **RECONSTRUCTION OF MALIGNANT MELANOMA RESECTION WITH ARTIFICIAL DERMAL SUBSTITUTE.**
AK Son, W Wong, A Ray and S Gupta, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 315
- 3:00** **HIV SEROSTATUS DOES NOT AFFECT EPIDERMAL ANAL CANCER OUTCOMES: A 15-YEAR RETROSPECTIVE STUDY.**
J Linam, RR Chand, VC Broudy, W Koh and S Patel, Seattle, WA. University of Washington Medical Center (WSMRF) Abstract 316
- 3:15–3:30 Intermission*
- 3:30** **BREAST IMPLANT-ASSOCIATED T CELL ANAPLASTIC LARGE-CELL LYMPHOMA: CASE REPORT AND ESTABLISHMENT OF A NOVEL CELL LINE (TLBR-1).**
M Lechner, S Lade, G Brody and A Epstein, Los Angeles, CA and Melbourne, VIC, Australia. University of Southern California Keck School of Medicine (WSMRF) Abstract 317
- 3:45** **HEAD AND NECK CANCER FOLLOWING SOLID ORGAN TRANSPLANTS.**
G Sayer, K Blackwell, V Nabili and J Sercarz, Los Angeles, CA. David Geffen School of Medicine UCLA Abstract 318
- 4:00** **CURETTAGE AND CRYOSURGICAL TREATMENT OF LOW GRADE CHONDROSARCOMAS AND ENCHONDROMAS.**
R Chiu and D Mohler, Stanford, CA. Stanford University Medical School (WSMRF) Abstract 319
- 4:15** **PREDICTIVE MARKERS OF SPERM CRYOPRESERVATION SUCCESS IN MEN WITH CANCER.**
A Jaime, Seattle, WA. University of Washington (WSMRF) Abstract 320
- 4:30** **QUANTITATIVE CHARACTERIZATION OF MULTI-SIGNAL ACTIVATION OF CELLULAR RESPONSES IN MULTIPLE BIOLOGICAL SYSTEMS.**
K Yan and I Al-Shyoukh, Stanford, CA and Los Angeles, CA. Stanford University (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 321

STUDENT SCIENTIFIC SESSION V

Health Care Research/Surgery

WESTERN STUDENT MEDICAL RESEARCH FORUM

LaPlaya Hotel, Poseiden Room

1:30 PM–3:45 PM

Friday, January 29, 2010

Susan Marshall, Presiding

- 1:30** **EFFECTS OF EPISODES OF TEMPORARY THRESHOLD SHIFT ON DISTORTION-PRODUCT OTOACOUSTIC EMISSIONS LEVEL/PHASE MAPS AND AUGMENTED DISTORTION-PRODUCT-GRAMS.**
ST Purcell, B Stagner, B Lonsbury-Martin and G Martin, Redlands, CA and Loma Linda, CA. Loma Linda University (WSMRF) Abstract 322

- 1:45 A PEDIATRIC RESEARCH CURRICULUM TO ENHANCE RESEARCH SKILLS OF POST-GRADUATE TRAINEES.**
P Ao, W Cannon, J Collet, R Goldman, J Kaczorowski, J Druker, A Best, G Wedel and R Cadelina, Vancouver, BC, Canada. University of British Columbia Abstract 323
- 2:00 COLLABORATIVE GRAND ROUNDS THROUGH TELE-EDUCATION: AN INNOVATIVE, TRANS-CULTURAL MEDICAL EDUCATION INITIATIVE.**
CJ Chambers, Y Zhao, G Wu and AW Armstrong, Sacramento, CA and Beijing, China. University of California, Davis (WSMRF) Abstract 324
- 2:15 CUBAN PHYSICIAN ATTITUDES ON PREVENTION IN PRIMARY CARE AND PRIMARY CARE EDUCATION: A QUALITATIVE STUDY.**
S Cleave, P Poushahnazari and R Brar, Vancouver, BC, Canada. University of British Columbia Abstract 325
- 2:30 AS A BRIEF INTERVENTION, A COMPUTER BASED SIMULATION OF INTIMATE PARTNER VIOLENCE PERPETRATION IMPROVES KNOWLEDGE, ATTITUDES AND PRACTICE BETTER THAN INSTRUCTION ALONE.**
I Medoro, A Ernst, S Weiss, K Hobbey, J Kanter and J Baker, Albuquerque, NM. University of New Mexico Abstract 326

2:45–3:00 Intermission

- 3:00 NEW SYNTHESIS METHODS OF NOBLE METAL NANOCCLUSERS FOR APPLICATION IN NANOMEDICINE.**
J Krol and M Malecki, Pomona, CA. Western University of Health Sciences Abstract 327
- 3:15 ECONOMIC FACTORS IN THE PRACTICE OF ANESTHESIA.**
EK Rinehardt, Seattle, WA. University of Washington (WSMRF) Abstract 328
- 3:30 ALCOHOL AND MUSCULOSKELETAL INJURY: THE EFFECTS OF ALCOHOL ON RECOVERY FROM FRACTURES AND DISLOCATIONS.**
ND Ford, S Bazargan, DE Fish and D Pan, Los Angeles, CA. Charles Drew University of Medicine and Science/ David Geffen School of Medicine at UCLA Abstract 329

STUDENT SCIENTIFIC SESSION VI

Community Health (International)

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Bingham Room #3

1:30 PM–4:45 PM
Friday, January 29, 2010

Tom Nighswander, Presiding

- 1:30 HOW DOES PARTICIPATING IN AN INTERNATIONAL PROJECT AFFECT STUDENTS' PERCEPTION ON PROJECT SUSTAINABILITY?**
D Wadhwa, J Jansen, S Turvey, K Kang and V Kapoor, Vancouver, BC, Canada. University of British Columbia Abstract 330
- 1:45 NUTRITIONAL AWARENESS AND EMPOWERMENT IN INDIA: TEACHING FOOD MULTIMIX PREPARATION IN A FOOD FESTIVAL SETTING.**
TJ Lee, Seattle, WA. University of Washington School of Medicine (WAFMR) Abstract 331
- 2:00 ESTABLISHMENT OF HIV CHRONIC CARE FACILITY IN RURAL KENYA.**
S Ali, A Olver and C Wong, Burnaby, BC, Canada. University of British Columbia Abstract 332
- 2:15 GLOBAL INITIATIVE FOR VILLAGE EMPOWERMENT(GIVE): ACHIEVING SUSTAINABILITY AND CONTINUITY WITH STUDENT-LED INTERNATIONAL AID WORK IN THE FACE OF HIGH MEMBERSHIP TURNOVER.**
M Sibley and S Else, Vancouver, BC, Canada. University of British Columbia Abstract 333
- 2:30 A GROWING NEED: USING A MULTI-PRONGED COMMUNITY BASED APPROACH TO TREAT CHILDHOOD ANEMIA IN THE INDIAN HIMALAYAS.**
L Chng, M Suen, S Brkanovic, E Hendren, K Giang, A Lam, T Ngai, S Rose, S Skitch, N Taha, G Tansley, L Bornn and V Kapoor, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 334
- 2:45 TOBACCO AND ALCOHOL USE IN THE SPITI VALLEY REGION OF NORTHERN INDIA.**
S Skitch, D Youdon, S Tsomo, L Chng, K Giang, L Hendren, A Lam, T Ngai, S Rose, M Suen, N Taha, N Taha, T Gavin, S Brkanovic and V Kapoor, Vancouver, BC, Canada and Noida, India. University of British Columbia Abstract 335
- 3:00 COMPARING SURVEY DATA FROM THE LAST 3 YEARS ON GLOBAL HEALTH PROJECTS' INFLUENCE ON THE UNDERSTANDING OF GLOBAL HEALTH AND SOCIAL RESPONSIBILITY AMONG PARTICIPANTS.**
J Janssen, D Wadhwa and V Kapoor, Vancouver, BC, Canada. University of British Columbia Abstract 336

3:15–3:30 Intermission

- 3:30 ANALYSIS OF MACRO AND MICRONUTRIENT DEFICIENCIES IN A RURAL HIMALAYAN COMMUNITY.**
E Hendren, L Bornn, S Brkanovic, K Giang, A Lam, T Ngai, S Rose, S Skitch, M Suen, N Taha, G Tansley and V Kapoor, Vancouver, BC, Canada. University of British Columbia Abstract 337
- 3:45 EFFECTIVENESS OF COMMUNITY HEALTH CARE WORKERS IN THE PREVENTION OF DIARRHEA IN RURAL KENYA.**
JA Hruschka, DW Broudy, JP Frederiksen, DG Stromberg, CL Schmitt, AJ Tomedi and MA Mwanthi, Albuquerque, NM and Nairobi, Kenya. University of New Mexico (WSMRF) Abstract 338
- 4:00 THROUGH THEIR EYES: USE OF PHOTOVOICE TO EMPOWER BOYS IN A UGANDAN ORPHANAGE.**
M Sanghera, Y Wang, N Radziminski, D Roccamatysi, W Jang, WG Cannon, F Gagnon, M Kagoda, A Kasangaki, K Kipruto, A Kizito and AJ Macnab, Vancouver, BC, Canada and Kampala, Uganda. University of British Columbia and British Columbia Children's Hospital Abstract 339
- 4:15 COMMUNITY RESPONSE TO ALCOHOL ABUSE IN YARMAG SUDISTRICT OF ULAANBAATAR CITY, MONGOLIA.**
CR Huntington, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 340
- 4:30 IMPLEMENTING A SUSTAINABLE HEALTH EDUCATION CURRICULUM FOR THE CHILDREN OF A REMOTE COMMUNITY IN THE INDIAN HIMALAYAS.**
K Giang, S Brkanovic, L Chng, E Hendren, A Lam, T Ngai, S Rose, S Skitch, M Suen, N Taha, G Tansley and V Kapoor, Vancouver, BC, Canada. University of British Columbia Abstract 341

STUDENT SCIENTIFIC SESSION VII

Community Health

WESTERN STUDENT MEDICAL RESEARCH FORUM

Church of the Wayfarer, Carlson Hall

1:30 PM–4:45 PM
Friday, January 29, 2010

Tom Norris, Presiding

- 1:30 STRATEGIES FOR PREVENTION OF CARDIOVASCULAR DISEASE AND TYPE 2 DIABETES IN HIGH SCHOOLS: A FORMATIVE ASSESSMENT.**
S Farnsworth, A Kong and A Sussman, Albuquerque, NM. University of New Mexico School of Medicine Abstract 342
- 1:45 LOW COST NUTRITION IN GLENDIVE, MT: ONE LESS BOX IN THE GROCERY CART.**
E Preus, Seattle, WA. University of Washington School of Medicine Abstract 343
- 2:00 A PEER NAVIGATION TO IMPROVE CANCER SURVIVORSHIP CARE: THE PERSPECTIVE OF COMMUNITY BASED ORGANIZATIONS.**
S Morales and J Casillas, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 344
- 2:15 DISASTER AND MASS CASUALTY PREPAREDNESS IN EUREKA, MONTANA.**
HE Qualls, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 345
- 2:30 IMPROVING ACCESS TO DIABETES EDUCATION FOR LOW-LITERACY AND LOW-NUMERACY POPULATIONS IN PROSSER, WASHINGTON.**
J Garrity, Seattle, WA. University of Washington School of Medicine Abstract 346
- 2:45 EMERGENCY MEDICAL KIT FOR AFOGNAK, AK.**
A Messenger, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 347
- 3:00 DEVELOPMENT AND EVALUATION OF A SPORTS MEDICINE-BASED CURRICULUM FOR ELITE PRE-PROFESSIONAL BALLET DANCERS.**
CM White, WC Coates, S Uijtdehaage and C Martin, Los Angeles, CA; Irvine, CA and Torrance, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 348

3:15–3:30 Intermission

- 3:30 BIRTH SPACING EDUCATION IN THE HISPANIC COMMUNITY OF OTHELLO, WASHINGTON.**
ND Lancaster, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 349
- 3:45 FAMILY PLANNING AND BIRTH CONTROL FOR LATINAS IN MOSES LAKE, WASHINGTON.**
K Petrin, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 350
- 4:00 CHARACTERISTICS OF THE OSTEOGENESIS IMPERFECTA REGISTRY POPULATION.**
E Martin, E Haney, Y Wu and J Shapiro, Portland, OR and Baltimore, MD. Oregon Health & Science University Abstract 351

- 4:15 **ADDRESSING EATING HABITS THROUGH FOOD LABEL EDUCATION IN STEVENSON, WA.**
AD Tran, Seattle, WA. University of Washington (WSMRF) Abstract 352
- 4:30 **REDUCING PPD RISK IN LATINA WOMEN WITH ANTEPARTUM INTERVENTION.**
NM Fox, Seattle, WA. University of Washington (WSMRF) Abstract 353

STUDENT SCIENTIFIC SESSION VIII

Surgery

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Chapman #4

1:30 PM–4:45 PM

Friday, January 29, 2010

Michel Boivin, Presiding

- 1:30 **A NOVEL BRIDGING HAND-ASSISTED LESS DONOR NEPHRECTOMY TECHNIQUE AND COMPARISON TO CONVENTIONAL HAND-ASSISTED DONOR NEPHRECTOMY.**
P Mahdavi, KY Ebrahimi, FC Jellison, C Tenggardjaja and DD Baldwin, Grand Terrace, CA. Loma Linda University Abstract 354
- 1:45 **COMPARISON OF ROBOTIC RADICAL PROSTATECTOMY OUTCOMES IN PATIENTS WITH AND WITHOUT PREVIOUS RENAL TRANSPLANTATION.**
JD Chamberlin, D Jin, FC Jellison, PD Lui and DD Baldwin, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 355
- 2:00 **REGIONAL VARIATION AND TRENDS IN ANTERIOR LUMBAR INTERBODY FUSION.**
EN Jovanovich, S Daffner and J Wang, Los Angeles, CA and Morgan Town, WV. David Geffen School of Medicine at UCLA Abstract 356
- 2:15 **PYODERMA GANGRENOsum OF THE FINGER IN A PEDIATRIC PATIENT: A UNIQUE CASE AND CHALLENGING DIAGNOSIS.**
D Davis, W Wong, A Son, S Zhang, G Machado and M Hill, Loma Linda, CA and Philadelphia, PA. Loma Linda University School of Medicine Abstract 357
- 2:30 **A CADAVERIC STUDY OF THE CERVICAL SYMPATHETIC CHAIN AND GANGLIA: POTENTIAL CLINICAL APPLICATIONS.**
I Safir, J Wisco and M Stark, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 358
- 2:45 **SCARLESS MICROPORT AUGMENTED RESTORATION OF TRIANGULATION (SMART) SURGERY: A NEW SURGICAL PARADIGM.**
ND Krupp, DJ Greene, P Mahdavi, J Chamberlin, KY Ebrahimi and D Baldwin, Loma Linda, CA. Loma Linda School of Medicine Abstract 359
- 3:00 **TEMPORARY RIGID FIXATION OFFERS BENEFITS OVER THE TRADITIONAL METHOD OF MAXILLOMANDIBULAR FIXATION IN SECURING THE OCCLUSION IN MANDIBLE FRACTURES.**
BS Lee, G Machado, W Wong and M Martin, Loma Linda, CA. Loma Linda University School of Medicine Abstract 360

3:15–3:30 Intermission

- 3:30 **PROSPECTIVE COMPARISON BETWEEN TWO EXPERIMENTAL NEEDLESCOPIC SUCTION DEVICES.**
JD Chamberlin, RJ Bowman, CF Tenggardjaja, LI Nicolay, KY Ebrahimi and DD Baldwin, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 361
- 3:45 **MECHANICAL LENGTHENING OF ISOLATED SMALL BOWEL SEGMENTS USING SPRING FORCE.**
LX Yu, S Shekherdimian, GP Carman and JC Dunn, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 362
- 4:00 **PRE-OPERATIVE SERUM ALBUMIN LEVEL AS A RISK FACTOR FOR POST-OPERATIVE COMPLICATIONS IN VENTRAL HERNIA REPAIR.**
S Rathnayake, Z Devcic, K Belek, M Kuri, J Kuo, S Hashemi, L Alkureishi, A Dunn and S Hansen, San Francisco, CA. University of California, San Francisco (WSMRF) Abstract 363
- 4:15 **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 (WSMRF) Abstract 364
- 4:30 **CHOLECYSTECTOMY FOR ACUTE CHOLECYSTITIS AT NIGHT DOES NOT RESULT IN ADVERSE OUTCOMES.**
BM Ishaque, A Yaghoubian and C De Virgilio, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 365

BREAKFAST-WITH-THE-INVESTIGATOR

Monterey Beach Hotel – Captain’s Table Room

7:00 AM–8:00 AM
Saturday, January 30, 2010

Point Alones Room

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

Marguerite McNeely, *University of Washington*

AN ACADEMIC CAREER IN CLINICAL INVESTIGATION.

Fred Sattler, *Keck School of Medicine, University of Southern California*

Point Pinos Room

THE CV, THE PERSONAL STATEMENT, AND LORS IN PREPARATION FOR A RESIDENCY PROGRAM: THE BEST PACKAGE FOR YOUR IDEAL PROGRAM.

Sergio Huerta, *University of Texas Southwestern*

MEANINGFUL PARTICIPATION IN INTERNATIONAL HEALTHCARE.

Tom Nighswander, *University of Washington*

CONCURRENT SESSIONS

AND

STUDENT SCIENTIFIC SESSIONS

8:30 AM
Saturday, January 30, 2010

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
- General Internal Medicine and Aging Promenade Lobby, Sunset Center
- Hematology and Oncology II Studio #105, Sunset Center
- Immunology and Rheumatology II Chapman #4, Sunset Center
- Neonatal Pulmonary II All Saints Church, Sanctuary
- Neonatology Developmental Biology All Saints Church, Auditorium
- 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 IX, X, and XI
8:30 AM–12:00 PM

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

Cardiovascular III

Ocean Room, Pine Inn, Il Forniao

Priscilla Hsue, Presiding

8:30 GLUCAGON-LIKE PEPTIDE-1 ATTENUATES POST-RESUSCITATION MYOCARDIAL MICROCIRCULATORY DYSFUNCTION.

AN Benezé, BB Dokken, MK Teachey, RW Hilwig and KB Kern, Tucson, AZ. University of Arizona College of Medicine

Abstract 366

- 8:45 MOLECULAR MECHANISM OF HEME OXYGENASE-1 INDUCTION BY STATINS.**
S Schulz-Geske, FS Kalish, H Zhao, HJ Vreman, RJ Wong and DK Stevenson, Stanford, CA. *Stanford University School of Medicine* Abstract 367
- 9:00 DRUG REDISCOVERY: GLYBENCLAMIDE EXHIBITS THROMBOXANE RECEPTOR DEPENDENT ANTITHROMBOTIC ACTIVITY.**
HJ Ting and F Khasawneh, San Marino, CA. *Western University of Health Sciences* Abstract 368
- 9:15 HYPOXIA MIMETIC, COBALT CHLORIDE, MEDIATES C-AMP RESPONSE ELEMENT BINDING PROTEIN DOWN-REGULATION IN CONDITIONED VASCULAR SMOOTH MUSCLE CELLS.**
M Brar, L Knaub and J Reusch, Aurora, CO and Denver, CO. *University of Colorado Health Science Center* Abstract 369
- 9:30 UTILITY OF EXERCISE TREADMILL TESTING FOR PREDICTING PROGNOSIS IN LOW-INTERMEDIATE RISK WOMEN PRESENTING WITH CHEST PAIN.**
B Chatterton, D Chang, L Baker, J Calkins and E Amsterdam, Sacramento, CA and Los Angeles, CA. *University of California, Davis School of Medicine (WSMRF)* Abstract 370
- 9:45 SAFETY AND EFFICACY OF DRUG-ELUTING STENTS COMPARED TO BARE METAL STENTS IN ST-ELEVATION MYOCARDIAL INFARCTION.**
MJ Beattie and MS Lee, Los Angeles, CA. *David Geffen School of Medicine, UCLA* Abstract 371

10:00–10:15 Intermission

- 10:15 RELATIONSHIP BETWEEN 2D:4D DIGIT RATIO AND HYPERTENSION.**
JA James, JT Martin, DH Nguyen and V Davis, Pomona, CA. *Western University COMP (WSMRF)* Abstract 372
- 10:30 EPIGASTRIC PAIN AS THE INITIAL DIAGNOSIS OF HIV AND HIV-RELATED PULMONARY HYPERTENSION (HIV-PAH).**
AW Ibrahim and L DiFrancesco, Atlanta, GA. *Emory University School of Medicine* Abstract 373
- 10:45 LEFT VENTRICULAR PSEUDOANEURYSM AS A LATE COMPLICATION OF AN ACUTE MYOCARDIAL INFARCTION INITIALLY DIAGNOSED AS MUSCULOSKELETAL PAIN.**
J Gabaldon and M Ratliff, Albuquerque, NM. *University of New Mexico* Abstract 374
- 11:00 RARE BUT LIFE THREATENING MASS OF THE RIGHT ATRIUM: A CASE REPORT.**
T Randhawa and M Ratliff, Albuquerque, NM. *University of New Mexico Medical Center* Abstract 375
- 11:15 PILOT STUDY TO DEVELOP GUIDELINES FOR EVALUATION OF PEDIATRIC CARDIOMYOPATHY.**
D Sureka and J Bernstein, Palo Alto, CA. *Stanford University Hospitals* Abstract 376

Endocrinology II

Sunset Center, Room # 6

Mark Burge, Presiding

- 8:30 A CASE OF CONGENITAL HYPOPARATHYROIDISM WITH PERSISTENT HYPERCALCEMIA-WHAT GIVES?**
M Garimella, K Collieran, MR Burge, MF Bouchonville, P Hassett and G Comerci, Albuquerque, NM. *University of New Mexico* Abstract 377
- 8:45 TESTOSTERONE LEVELS AND SUBJECTIVE AND OBJECTIVE SEXUAL FUNCTION IN WOMEN WITH HYPOPITUITARISM.**
J Scott, E Zuckerbraun, M Lee, M Morgan, A Rapkin and TC Friedman, Los Angeles, CA. *Charles Drew University* Abstract 378
- 9:00 TESTOSTERONE WITH DUTASTERIDE, BUT NOT WITH ANASTRAZOLE OR ALONE, IMPROVES INSULIN SENSITIVITY IN OBESE MEN.**
P Liao and K Herbst, San Diego, CA. *University of California San Diego/VASDHS (WAFMR/WSCI Outstanding Resident Award Winner)* Abstract 379
- 9:15 EXPERIMENTALLY-INDUCED TESTOSTERONE DEFICIENCY RAPIDLY INCREASES SERUM INSULIN AND INSULIN RESISTANCE IN NORMAL MEN.**
CN Snyder, JK Amory, WJ Bremner and ST Page, Seattle, WA. *University of Washington (Carmel AFMR Scholar Award Winner)* Abstract 380
- 9:30 ACTIVATION OF TOLL-LIKE RECEPTOR 2 INDUCES TNF- α CYTOKINE RELEASE, ENDOPLASMIC RETICULUM STRESS AND METABOLIC TRANSCRIPTS EXPRESSION IN OBESE HUMAN ADIPOSE TISSUE.**
EC Cheang, M Metcalf, A White and RW O'Rourke, Portland, OR. *Oregon Health and Science University* Abstract 381
- 9:45 ANALYSIS OF 25-HYDROXY VITAMIN D₂ AND D₃ IN HUMAN SERUM BY 2 DIMENSIONAL LC-MS/MS.**
JA Ray, MM Kushnir, AL Rockwood and AW Meikle, Salt Lake City, UT. *ARUP Institute for Clinical and Experimental Pathology* Abstract 382

10:00–10:15 Intermission

- 10:15 EFFECT OF TSH STIMULATION ON THYROGLOBULIN SUPPRESSION IN PAPILLARY THYROID CANCER PATIENTS WITHOUT EVIDENCE OF RESIDUAL DISEASE AFTER TOTAL-THYROIDECTOMY.**
T Angell, C Spencer, D Maceri, J Nicoloff, S Fatemi and J LoPresti, Los Angeles, CA and Panorama City, CA. *University of Southern California, Keck School of Medicine (WSCI Travel Award Winner) (WSMRF)* Abstract 383

- 10:30 EFFECT OF HUMAN ISLET AMYLOID POLYPEPTIDE ON AUTOPHAGY IN PANCREATIC BETA-CELLS.**
S Yu, S Costes, T Gurlo, M Daval, AC Huang, A Matveyenko and P Butler, Los Angeles, CA. *Abstract 384*
Larry Hillblom Islet Research Center, UCLA
- 10:45 EFFECT OF INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-3 REPLACEMENT ON GONADOTROPIN RELEASING HORMONE-ANTAGONIST INDUCED MALE GERM CELL APOPTOSIS IN INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-3 KNOCKOUT MICE: NEW INSIGHTS INTO REGULATION OF GERM CELL PROGRAMMED CELL DEATH.**
Y Jia, H Mehta, K Lee, LJ Cobb, Y Lue, V Atienza, P Cohen, RS Swerdloff and C Wang, Torrance, CA and Los Angeles, CA. *Abstract 385*
LA BioMed (WAFMR)
- 11:00 TESTICULAR HYPERThERMIA DECREASES RNA HELICASE DDX4 EXPRESSION IN APOPTOTIC GERM CELLS.**
Y Lue, K Fong, B Li, J Kwan, D Skarbrevik, A Han, R Swerdloff and C Wang, Torrance, CA. *Abstract 386*
LABioMed at Harbor-UCLA Medical Center (WAFMR)
- 11:15 MICROTUBULE ASSOCIATED SERINE/THREONINE KINASE 205 IS A NONRECEPTOR ACTIVATOR OF HETEROTRIMERIC G PROTEINS.**
S Kang and T Baranski, Seattle, WA and St. Louis, MO. *Abstract 387*
University of Washington School of Medicine (WSMRF)
- 11:30 EVIDENCE THAT ENDOGENOUS INSULIN-LIKE GROWTH FACTOR-1 ATTENUATES ENDOTOXIN INDUCED CACHEXIA.**
P May, S Plymate and B Wisse, Seattle, WA. *Abstract 388*
University of Washington School of Medicine (WSMRF)

General Internal Medicine and Aging

Sunset Center, Promenade Lobby

Elizabeth Haney and Devon Neale, Presiding

- 8:30 THERMOSENSITIVE BIODEGRADABLE POLYMERIC DRUG DELIVERY SYSTEM TO THE EYE.**
N Kim, S Garty, TT Shen and BD Ratner, Seattle, WA. *Abstract 389*
University of Washington School of Medicine (WSMRF)
- 8:45 MORGELLONS DISEASE: ANALYSIS OF A POPULATION WITH CLINICALLY CONFIRMED MICROSCOPIC SUBCUTANEOUS FIBERS OF UNKNOWN ETIOLOGY.**
VR Savely and RB Stricker, Bethesda, MD and San Francisco, CA. *Abstract 390*
ILADS (WAFMR)
- 9:00 THE IMPACT OF METFORMIN ON VITAMIN B12 LEVELS IN SUBJECTS WITH TYPE 2 DIABETES.**
C Calvo, R Michael and R Plodkowski, Reno, NV. *Abstract 391*
University of Nevada School of Medicine (WSMRF)
- 9:15 US WHITE VERSUS INDIAN-BASED BONE MINERAL DENSITY REFERENCE STANDARDS FOR THE DIAGNOSIS OF OSTEOPOROSIS AND OSTEOPENIA AMONG SOUTH-ASIAN INDIANS.**
A Melamed, E Vittinghoff, U Sriram, A Schwartz and A Kanaya, Los Angeles, CA; San Francisco, CA and Chennai, India. *Abstract 392*
Keck School of Medicine of the University of Southern California (WSMRF)
- 9:30 State-of-the-Art Speaker**
DEPRESSION, ANTI-DEPRESSANT MEDICATIONS AND OSTEOPOROSIS: HOW MULTI-MORBIDITY CHALLENGES RESEARCHERS AND CLINICIANS.
Elizabeth Haney, Oregon Health & Science University

10:00–10:15 Intermission

- 10:15 HIGHER A1C AND BMI ARE ASSOCIATED WITH WORSE DIABETIC DYSLIPIDEMIA IN A VA POPULATION.**
W Gu, R Mallios, A Cohen, V Pall and J Huang, Fresno, CA. *Abstract 393*
UCSF, Fresno Education Program
- 10:30 RESERPINE FOR PRIMARY HYPERTENSION.**
SD Shamon and MI Perez, Vancouver, BC, Canada. *Abstract 394*
University of British Columbia

Hematology and Oncology II

Sunset Center, Studio 105

Tom Martin, Presiding

- 8:30 CONVERSION INHIBITION OF NAÏVE T LYMPHOCYTES INTO REGULATORY T CELLS BY KILLER DENTRITIC CELLS.**
J Wright, N Larmonier and E Katsanis, Tucson, AZ. *Abstract 395*
University of Arizona College of Medicine
- 8:45 INCREASED STABILITY OF ANTI APOPTOTIC PROTEINS IN BREAST CANCER CELLS RENDERS THEM RESISTANT TO CYCLOHEXIMIDE INDUCED APOPTOSIS.**
S Pervin, A Tran, L Tran and R Singh, Los Angeles, CA. *Abstract 396*
Charles Drew University of Medicine and Science (WAFMR)
- 9:00 THERAPEUTIC EFFECTS OF TARGETING INTEGRIN ALPHA4 BETA1 AND ITS MECHANISM OF ACTION.**
C Felsen, C Avraamides, B Garmy-Susini and J Varner, La Jolla, CA. *Abstract 397*
University of California San Diego (WSMRF)
- 9:15 DISCOVERY OF CANCER GENE-MICRORNA REGULATORY NETWORKS IN CANCER.**
MY Zhang, K Garg, M McIntosh and M Tewari, Seattle, WA. *Abstract 398*
University of Washington (WSMRF)
- 9:30 FAST NEUTRON RADIOTHERAPY IN THE TREATMENT OF MALIGNANT PLEURAL MESOTHELIOMA.**
AS Kusano, A Truong, GE Laramore, K Stelzer and SA Patel, Seattle, WA. *Abstract 399*
University of Washington School of Medicine (WSMRF)

- 9:45 OUR EXPERIENCE WITH 72 PATIENTS ON WHOM WE DETECTED ENDOMETRIAL BLOOD FLOW ON DOPPLER TRANSVAGINAL EXAMINATION - A CORRELATIONAL STUDY BETWEEN SONOGRAPHY AND PATHOLOGY.**
G Runner, E Gerscovich, A Fodor, S Shakeri, H Oswal and J McGahan, Sacramento, CA. *University of California, Davis (WSMRF)* Abstract 400

10:00–10:15 Intermission

- 10:15 ARE THERE AGE DIFFERENCES IN THE CANCER SURVIVORSHIP EXPERIENCE?**
K Melamed, E Hahn, L Petersen and PA Ganz, Los Angeles, CA. *The University of California (WSMRF)* Abstract 401
- 10:30 THE ROLE OF LYMPHATICS IN METASTASIS OF MELANOMA.**
MD Montague, SK Daley, C Cherington, MJ Bernas and MH Witte, Tucson, AZ. *University of Arizona College of Medicine* Abstract 402
- 10:45 State-of-the-Art Speaker**
MOLECULAR BASIS OF SYSTEMIC IRON HOMEOSTASIS AND ITS DISORDERS.
Tomas Ganz, *David Geffen School of Medicine at UCLA*

- 11:15 THE EFFECT OF KNOCKED DOWN ONCOSTATIN M EXPRESSION ON HIF1 α IN MOUSE MAMMARY TUMORS.**
CL Asher, Seattle, WA. *University of Washington School of Medicine (WSMRF)* Abstract 403
- 11:30 FREQUENCY OF VENOUS THROMBOEMBOLISM IN POSTOPERATIVE GYNECOLOGIC SURGERY PATIENTS: A RETROSPECTIVE OBSERVATIONAL ANALYSIS.**
T Weiler, E Libby and S Lee, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 404

Immunology and Rheumatology II

Sunset Center, Chapman #4

David Daikh and Eliza Chakravarty, Presiding

- 8:30 MONOCYTE CHEMOATTRACTANT PROTEIN (MCP)-1 IS REQUIRED FOR LIVER REGENERATION.**
DL Hennings and K Mitchell, Seattle, WA and Boise, ID. *University of Washington School of Medicine (WSMRF)* Abstract 405
- 8:45 PROTECTIVE ANTI-CANCER VACCINES ELICIT TUMOR-INFILTRATING LYMPHOCYTES WHICH EXPRESS A SPECIFIC CDR3 β MOTIF.**
AL Franks, KR Jordan and JE Slansky, Denver, CO. *University of Colorado at Denver School of Medicine (WSMRF)* Abstract 406
- 9:00 MICROCHIMERISM IN DOWN SYNDROME.**
J Gallaher, B Paul, T Aydelotte and VK Gadi, Seattle, WA. *University of Washington (WSMRF)* Abstract 407
- 9:15 X-LINKED ANDROGEN RECEPTOR GENE POLYMORPHISM IN MALES WITH SYSTEMIC LUPUS ERYTHEMATOSUS.**
M Quirk, Q Fu, J Grossman and B Tsao, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 408
- 9:30 CCR7 EXPRESSION IN PEDIATRIC SYSTEMIC LUPUS ERYTHEMATOSUS B CELLS.**
C Vora and E Arce-Hernandez, Pomona, CA and Madera, CA. *Western University, College of Osteopathic Medicine (WSMRF)* Abstract 409
- 9:45 PLASMA REGULATES MONOCYTE PROGRAMMED DEATH LIGAND-1 EXPRESSION IN JUVENILE LUPUS.**
J Kuo, J Ou and A Stevens, Seattle, WA. *University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 410

10:00–10:15 Intermission

- 10:15 B-CELL LYMPHOMA IN JOB SYNDROME OF HYPER-IGE AND RECURRENT INFECTIONS.**
A Kumánovics, SL Perkins and HR Hill, Salt Lake City, UT. *University of Utah* Abstract 411
- 10:30 MARKED INCREASES IN BOTH PROINFLAMMATORY AND DOWN-REGULATORY CYTOKINE CONCENTRATIONS IN PATIENTS WITH MULTIPLE SCLEROSIS.**
TB Martins, JW Rose, TD Jaskowski, AR Wilson, D Husebye and HR Hill, Salt Lake City, UT. *ARUP Institute for Clinical and Experimental Pathology* Abstract 412
- 10:45 MAGNETIC RESONANCE IMAGING AND BRAIN HISTOPATHOLOGY IN NEUROPSYCHIATRIC SYSTEMIC LUPUS ERYTHEMATOSUS.**
N Chavez-Chiang, W Sibbitt, A Bankhurst, C Roldan, M Kornfeld and B Hart, Albuquerque, NM. *University of New Mexico* Abstract 413
- 11:00 COMPARISON OF DIAGNOSTIC ACCURACY OF QUESTIONNAIRE AND AUTOANTIBODY TESTING FOR UNDIAGNOSED INFLAMMATORY ARTHRITIS IN SEQUENTIAL HEALTH FAIR SCREENS.**
CM Bright, CC Striebich, LA Derber, SA Brake, JH Goddard, JM Norris, VM Holers and KD Deane, Aurora, CO and Denver, CO. *University of Colorado Health Sciences Center* Abstract 414
- 11:15 IDENTIFYING ENVIRONMENTAL FACTORS & THEIR ROLE IN THE DEVELOPMENT OF PSORIATIC ARTHRITIS.**
T Law, L Eder, S Shanmugarajah and D Gladman, Vancouver, BC, Canada and Toronto, ON, Canada. *University of British Columbia (WSMRF)* Abstract 415

- 11:30 MMP-12 AND WOUND HEALING IN THE MOUSE CORNEA.**
A Bertrand and M Chan, San Francisco, CA. University of California, San Francisco Abstract 416
- 11:45 ESTABLISHMENT OF AN ASSAY TO DETECT IGE ANTIBODIES TO BASEMENT MEMBRANE ZONE COMPONENTS IN BULLOUS PEMPFIGOID.**
JW Wong, G Gleich, J Zone and K Leiferman, Salt Lake City, UT. University of Utah (WSMRF) Abstract 417

Neonatal Pulmonary II

All Saints Church, Sanctuary

Mark Mammel and Phil Ballard, Presiding

- 8:30 INTRAUTERINE GROWTH RESTRICTION DECREASES RETINOIC ACID RECEPTOR GENE EXPRESSION IN THE DEVELOPING RAT LUNG.**
TR Carroll, J Oman, M Hale, X Yu and R Lane, Salt Lake City, UT. University of Utah (WSPR Mead Johnson Travel Award Winner) (WAFMR) Abstract 418
- 8:45 ALVEOLAR SIMPLIFICATION PERSISTS IN THE LUNG OF PRETERM LAMBS FOLLOWING 3 DAYS OF MECHANICAL VENTILATION AND 10 WEEKS OF RECOVERY.**
MJ Dahl, JM Alvord, CA Blair, ZM Wang, L Dong, A Wint, MJ McCoy, R McKnight, DM Null, BA Yoder, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah Abstract 419
- 9:00 RESUSCITATION DECREASES MRNA OF EARLY RESPONSE GENES IN THE DEVELOPING RAT LUNG.**
TR Carroll, M Fitzhugh, E O'Brien, K Albertine and R Lane, Salt Lake City, UT. University of Utah (WAFMR) Abstract 420
- 9:15 VITAMIN A THERAPY REDUCES IGF-1 PROMOTER 2 MRNA LEVELS IN THE LUNG OF CHRONICALLY VENTILATED PRETERM LAMBS.**
MJ McCoy, D 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 (WSCI) Abstract 421
- 9:30 MAINTAINING PHENOTYPIC EXPRESSION IN CULTURED TYPE II CELLS OF ADULT HUMAN LUNG.**
PL Ballard, JW Lee, X Fang, CJ Chapin, LW Gonzales, V Kolla and MA Matthay, San Francisco, CA and Philadelphia, PA. University of California, San Francisco (WSPR) Abstract 422
- 9:45 EFFECT OF MATERNAL FOOD RESTRICTION ON FETAL RAT LUNG DEVELOPMENT.**
J Corral, A Karadag, R Sakurai, JS Torday and VK Rehan, Torrance, CA. Harbor-UCLA Abstract 423

10:00–10:15 Intermission

- 10:15 INTRAUTERINE GROWTH RESTRICTION ALTERS EXPRESSION OF GENES INVOLVED IN L-ARGININE METABOLISM IN THE LUNG.**
DT Malleske, M Campbell, X Yu, C Callaway, R McKnight, K Albertine and R Lane, Salt Lake City, UT. University of Utah Abstract 424
- 10:30 IMPROVED PULMONARY FUNCTION AND EXERCISE CAPACITY FOR EXTREMELY LOW BIRTH WEIGHT CHILDREN BORN IN THE 1990S COMPARED TO THOSE FROM THE 1980S.**
H Kilbride, C Castor, M Gelatt, K Teson and R Sabath, Kansas City, MO. Children's Mercy Hospitals & Clinics (WSPR) Abstract 425
- 10:45 LATE DOSES OF SURFACTANT IN VENTILATED PREMATURE INFANTS: A PILOT STUDY.**
R Ballard, R Keller, J Merrill, L Palermo, W Truog, R Steinhorn, R Ryan, E Eichenwald, D Durand, S Courtney, D Black and P Ballard, San Francisco, CA; Oakland, CA; Kansas City, MO; Chicago, IL; Buffalo, NY; Houston, TX and Stony Brook, NY. University of California, San Francisco Abstract 426
- 11:00 PREVENTION OF PERINATAL NICOTINE EXPOSURE-INDUCED ALTERATIONS IN AIRWAY CONSTRICTION BY PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA (PPAR γ) AGONIST ROSIGLITAZONE.**
J Liu, R Sakurai, JS Torday and VK Rehan, Torrance, CA. L.A. Biomed Abstract 427
- 11:15 CARCINOEMBRYONIC CELL ADHESION MOLECULE 6 IN PREMATURE INFANT AND ADULT LUNG FLUID.**
C Chapin, N Bailey and P Ballard, San Francisco, CA and Philadelphia, PA. University of California, San Francisco Abstract 428
- 11:30 NASAL RESPIRATORY SUPPORT IN PRETERM INFANTS: A NOVEL MEANS OF DELIVERING TIME-CYCLED, PRESSURE AND FLOW LIMITED INTERMITTENT MANDATORY VENTILATION VIA NASAL CANNULA.**
SC Andaya, R Ramanathan, S Sardesai, R Cayabyab, A Garingo and I Seri, Los Angeles, CA. Keck School of Medicine of USC, LAC+USC Medical Center Abstract 429

Neonatology Developmental Biology

All Saints Church, Auditorium

Vedang A. Londhe and Parviz Minoo, Presiding

- 8:30 DEFINING THE ROLE OF PRDM1 AND ITS BINDING PARTNER PRMT5 IN MURINE PRIMORDIAL GERM CELL DIFFERENTIATION.**
L Sanchez, Z Li, S Gkoutela, J Vincent and A Clark, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR Subspecialty Award Winner) (WSMRF) Abstract 430

- 8:45 **EPITHELIAL-SPECIFIC DELETION OF APC ALTERS CELL FATE DETERMINATION DURING LUNG DEVELOPMENT.**
B Chan, A Li, C Li, Y Xing, M Li and P Minoo, Los Angeles, CA. *University of Southern California (WSPR)* Abstract 431
- 9:00 *State-of-the-Art Speaker*
MOLECULAR AND CELLULAR ANALYSIS OF PULMONARY DEVELOPMENT.
Parviz Minoo, *University of Southern California*
- 9:30 **IN UTERO NICOTINE EXPOSURE DISRUPTS GLOBAL PARATHYROID HORMONE-RELATED PROTEIN SIGNALING.**
M Krebs, C Dasgupta, S Fonseca, B Ibe, J Torday and V Rehan, Torrance, CA. *Harbor UCLA* Abstract 432
- 9:45 **IUGR DECREASES MRNA AND PROTEIN LEVELS OF HISTONE METHYLTRANSFERASE SETD8 IN CONJUNCTION WITH REDUCED H4K20ME IN THE NEONATAL RAT LUNG.**
L Joss-Moore, Y Wang, C Callaway, X Yu, R McKnight and R Lane, Salt Lake City, UT. *University of Utah (Carmel AFMR Scholar Award Winner) (WSPR)* Abstract 433

10:00–10:15 Intermission

- 10:15 **IUGR ALTERS CANNABINOID RECEPTOR-1 MRNA LEVELS IN MALE JUVENILE AND ADULT RAT BRAINS.**
N Mitchell, L Joss-Moore, M Hale, Y Wang, X Yu, C Callaway, X Ke, R McKnight and R Lane, Salt Lake City, UT. *University of Utah (WSPR Mead Johnson Travel Award Winner)* Abstract 434
- 10:30 **MATERNAL DIABETES MELLITUS ALTERS DNA METHYLATION OF THE HEPATIC 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 (WSPR)* Abstract 435
- 10:45 **EFFECTS OF MATERNAL FOOD RESTRICTION ON FETAL LUNG ALVEOLAR EXTRACELLULAR MATRIX DEPOSITION AND LONG TERM PULMONARY FUNCTION IN EXPERIMENTAL RAT MODEL.**
J Corral, A Karaday, R Sakurai, E Shin and VK Rehan, Torrance, CA. *Harbor UCLA Medical Center (WSPR)* Abstract 436
- 11:00 **KRUPPEL-LIKE FACTOR 4 EXPRESSION IN DEVELOPING HUMAN SKIN.**
B Melloy, S McConaghy and R Ohls, Albuquerque, NM. *University of New Mexico* Abstract 437
- 11:15 **ERYTHROPOIETIN ENHANCES GROWTH IN DEVELOPING RETINAL CELL CULTURES.**
K Sanchez, S McConaghy and RK Ohls, Albuquerque, NM. *University of New Mexico* Abstract 438
- 11:30 **ACCURACY OF PULSE OXIMETRY READINGS FROM DIFFERENT SITES IN NEWBORNS: A PROSPECTIVE STUDY.**
N Phattraprayoon, S Sardesai, M Durand and R Ramanathan, Los Angeles, CA. *Keck School of Medicine, University of Southern California (WSPR)* Abstract 439
- 11:45 **TUBERCULOSIS IN THE NEWBORN.**
N Phattraprayoon, Z Pavlova and L Paquette, Los Angeles, CA. *Keck School of Medicine, University of Southern California* Abstract 440

Neuroscience II

Sunset Center, Conductor's Room

Marie-Francoise Chesselet and Edward Wagner, Presiding

- 8:30 **DOES PREDATORY SCENT STRESS INCREASE THE LIKELIHOOD OF LATER DEVELOPMENT OF POST TRAUMATIC STRESS DISORDER?**
K Johnson-Martinez, I Ross and A Allan, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 441
- 8:45 **DEVELOPMENT AND CHARACTERIZATION OF A MOUSE MODEL OF POSTTRAUMATIC STRESS DISORDER.**
N Anast and KK Caldwell, Albuquerque, NM. *University of New Mexico, School of Medicine* Abstract 442
- 9:00 **EFFECT OF TOBACCO SMOKE ON LEARNED ALCOHOL CONSUMPTION IN C57/BL6 MICE.**
BE Burns and WR Proctor, Denver, CO and Aurora, CO. *VA ECHCS* Abstract 443
- 9:15 **RAPID AND SIGNIFICANT INDUCTION OF VEGF EXPRESSION IN HUMAN MENINGIOMA UNDER HYPOXIC CONDITIONS.**
V Tsvankin, J White, K Nag, M Graner and A Waziri, Aurora, CO. *University of Colorado Health Sciences Center* Abstract 444
- 9:30 **SIGNALING PATHWAYS UNDERLYING RAPID ESTROGENIC ATTENUATION OF THE CANNABINOID-INDUCED INHIBITION OF GLUTAMATE RELEASE AT PROOPIOMELANOCORTIN SYNAPSES.**
GS Jeffery and EJ Wagner, Pomona, CA. *Western University of Health Sciences, COMP (WSMRF)* Abstract 445
- 9:45 **CANNABINOID AND SEX STEROID HORMONAL REGULATION OF GENES ENCODING FEEDING RELEVANT NEUROPEPTIDES IN THE GUINEA PIG HYPOTHALAMUS.**
KC Peng and EJ Wagner, Pomona, CA. *Western University of Health Sciences, College of Osteopathic Medicine of the Pacific* Abstract 446

10:00–10:15 Intermission

- 10:15 EFFECTS OF THE NON-STEROIDAL ESTROGEN RECEPTOR MODULATOR STX ON GUINEA PIG MEAL PATTERNS AND FEEDING BEHAVIOR.**
B Lee and E Wagner, Pomona, CA. *Western University of Health Sciences - College of Osteopathic Medicine of the Pacific (WSMRF)* Abstract 447
- 10:30 MECHANISMS UNDERLYING ASTROCYTOSIS FOLLOWING SCIATIC NERVE INJURY.**
Y Liu, M Xu and C Chavkin, Seattle, WA. *University of Washington (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 448
- 10:45 DEREGULATION OF P53 IS ASSOCIATED WITH ABNORMAL AXON DEVELOPMENT IN NIEMANN-PICK TYPE C MICE.**
NH Chu, G Liao and X Bi, Pomona, CA. *Western University of Health Sciences, College of Osteopathic Medicine (WSMRF)* Abstract 449
- 11:00 ABNORMAL DENDRITIC DEVELOPMENT IN HIPPOCAMPAL NEURONS WITH MATERNAL UBE3A DELETION.**
TA Carson, X Bi and Q Qin, Pomona, CA. *Western University of Health Sciences* Abstract 450
- 11:15 EVALUATING GLOBAL HYPOXIC-ISCHEMIC BRAIN INJURY IN ADULTS USING PROTON MAGNETIC RESONANCE SPECTROSCOPY.**
P Pelc, B Holshouser and D Kido, Pomona, CA and Loma Linda, CA. *Western University (WSMRF)* Abstract 451
- 11:30 State-of-the-Art Speaker**
PESTICIDES AND PARKINSON'S DISEASE: HOW GENES AND THE ENVIRONMENT INTERACT TO KILL NEURONS.
Beate Ritz, *David Geffen School of Medicine at UCLA*

Pulmonary and Critical Care II

Carmel Women's Club

Michel Boivin and Russell Klein, Presiding

- 8:30 SURROGATE CONSENT FOR RESEARCH INVOLVING INCAPACITATED ADULTS: LEGAL & ETHICAL CONSIDERATIONS.**
T Stone, Tyler, TX. *University of Texas Health Science Center at Tyler (WAFMR)* Abstract 452
- 8:45 CASE SERIES OF COCCIDIOIDOMYCOSIS IN CRITICALLY ILL INFANTS AND CHILDREN.**
N Puranik, R Hernandez and R Dimand, Fresno, CA and Madera, CA. *UCSF-Fresno* Abstract 453
- 9:00 UNIQUE RAT STRAIN SURVIVES BREATHING PURE OXYGEN, EXERCISES AND LIVES LONGER: POSSIBLE ROLE FOR HEAT-SHOCK PROTEINS AND REDUCED INFLAMMATION.**
JJ Repine, AC Tan, CJ Beehler, K Crader, ND Elkins, J Vina, P Wilson, K Queensland, P Wischmeyer, J Eaton and JE Repine, Aurora, CO; Lincoln, NE; Valencia, Spain and Louisville, KY. *University of Colorado Health Sciences Center* Abstract 454
- 9:15 A COMPARISON OF VIDEOLARYNGOSCOPY TO DIRECT LARYNGOSCOPY FOR EMERGENCY DEPARTMENT INTUBATIONS.**
SF Chiu and JC Sakles, Tucson, AZ. *The University of Arizona College of Medicine* Abstract 455
- 9:30 RESPIRATORY AND SKELETAL MUSCLE STRENGTH: IMPACT ON EXERCISE PERFORMANCE AND LOWER EXTREMITY FUNCTION IN COPD.**
JP Singer, PD Blanc, EH Yelin, G Sanchez, C Iribarren and MD Eisner, San Francisco, CA and Oakland, CA. *University of California, San Francisco (California Thoracic Society Scholar Award Winner) (CTS)* Abstract 456
- 9:45 RED BLOOD CELL TRANSFUSION IN PEDIATRIC TRAUMA PATIENTS ADMITTED TO THE INTENSIVE CARE UNIT - PRACTICE EVALUATION.**
L Shobab, P Skippen, G Krahn and S Butterworth, Vancouver, BC, Canada. *University of British Columbia (WSMRF)* Abstract 457

10:00–10:15 Intermission

- 10:15 State-of-the-Art Speaker**
CYTOKINE REGULATION OF THE EPITHELIAL TIGHT JUNCTION BARRIER.
Michel Boivin, *University of New Mexico*
- 10:45 IMMUNOPATHOLOGICAL CHANGES IN THE LUNGS OF SARIN EXPOSED RATS.**
M Behl, S Razani-Boroujerdi and M Sopori, Albuquerque, NM. *University of New Mexico* Abstract 458
- 11:00 NECROTIZING ENTEROCOLITIS IN TERM INFANTS: A CASE SERIES.**
J McDermott, M Fruzza and R Dimand, Fresno, CA and Madera, CA. *UCSF Fresno* Abstract 459
- 11:15 SUBPLEURAL CYSTS IN CHILDREN WITH DOWN SYNDROME.**
NR Lalefar, M Tablizo and L Roberto, Madera, CA and Fresno, CA. *Children's Hospital of Central California (WSMRF)* Abstract 460

Surgery II

Sunset Center, Green Room

Michael West, Presiding

- 8:30 INDUCTION OF COLLAGEN SYNTHESIS BY HUMAN FORESKIN FIBROBLASTS SUSPENDED IN FIBRIN SCAFFOLDS: IMPLICATIONS FOR ENGINEERING ANTERIOR CRUCIATE LIGAMENT GRAFTS.**
MA Arain, E Brinkmann, B Bluth, K Zhao, P Zuk, B Wu and D McAllister, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 461

- 8:45 IS RUNNING VERSUS INTERRUPTED MESH FIXATION IN PATIENTS UNDERGOING HERNIA REPAIR WITH MESH A RISK FACTOR FOR HERNIA RECURRENT?**
Z Devic, S Rathnayake, A Dunn, S Hashemi, B Miyazawa, K Belek, M Kuri, L Alkureishi and S Hansen, San Francisco, CA. University of California, San Francisco Abstract 462
- 9:00 LONG-TERM SAFETY AND EFFICACY OF HUMAN BONE MORPHOGENETIC PROTEIN IN THE TREATMENT OF RESISTANT NON-UNIONS AND FAILED ARTHRODESIS.**
O Amajoyi and A Shamie, Los Angeles, CA and Santa Monica, CA. University of California, Los Angeles (WSMRF) Abstract 463
- 9:15 SOLID CORROSION PRODUCTS IN METAL-METAL HIP TISSUES: IMPLICATIONS FOR METAL SENSITIVITY?**
AK Battenberg, P Campbell and K Takamura, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 464
- 9:30 EVALUATION OF ACELLULAR DERMAL MATRIX IN BREAST RECONSTRUCTION.**
JT Tieman, JP Agarwal and LA Anderson, Tucson, AZ and Salt Lake City, UT. University of Arizona College of Medicine Abstract 465
- 9:45 FLUOROCHROME ANALYSIS OF RADIOGENIC BONE DAMAGE: A SEARCH FOR AN ANIMAL MODEL OF OSTEORADIONECROSIS OF THE MANDIBLE.**
ML Tamplen, M Cohen, I Nishimura and V Nabili, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 466

10:00–10:15 Intermission

- 10:15 SONOGRAPHIC EVALUATION OF THE SUPRASPINATUS TENDON: AT REST, AND IN THE CRASS AND MODIFIED CRASS POSITIONS.**
JR Roberts and N Hager, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 467
- 10:30 USING COLLAGEN SCAFFOLDS ON TRANSPLANTATION SITES TO FACILITATE INCREASED CELLULAR VIABILITY OF HFF1 FIBROBLAST CELLS.**
H Dehdashti, A Biswas and H Rilo, Tucson, AZ. University of Arizona College of Medicine Abstract 468
- 10:45 ALEMTUZUMAB VS ANTITHYMOCYTE GLOBULIN FOR HIGH-RISK KIDNEY RECIPIENTS: 1- YEAR AND 3-YEAR OUTCOMES AT A SINGLE CENTER.**
JT Yuan, T Pham, A Wilkinson, G Danovitch and G Lipshutz, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 469
- 11:00 SHARPS HANDLING PRACTICES AMONG JUNIOR SURGICAL RESIDENTS- A VIDEO ANALYSIS.**
D Tso, M Langer, G Blair and S Butterworth, Vancouver, BC, Canada. University of British Columbia Abstract 470
- 11:15 KINEMATICS OF THE POSTEROLATERAL CORNER OF THE KNEE: A CADAVERIC STUDY.**
A Gupta, H Ishigooka, M McGarry, Y Chen, C Bui and TQ Lee, Los Angeles, CA; Kawasaki, Japan and Long Beach, CA. Keck School of Medicine, University of Southern California (WSMRF) Abstract 471
- 11:30 HIGH-DEFINITION VIDEO-ENDOSCOPY: A FUNCTIONAL ASSESSMENT OF IMAGE QUALITY.**
PE Doetsch, MN Sinanan, BK Ross, S Kim and MC Wu, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 472
- 11:45 THE ROLE OF MORPHOLOGY OF THE FIRST METATARSAL IN THE SURGICAL TREATMENT OF THE ADOLESCENT BUNION.**
P Nwajuku, T Hanson and N Otsuka, Los Angeles, CA. Charles Drew University, David Geffen School of Medicine at UCLA Abstract 473

STUDENT SCIENTIFIC SESSION IX

Behavior and Development/Community Health

WESTERN STUDENT MEDICAL RESEARCH FORUM

Church of the Wayfarer, Carlson Hall

8:30 AM–11:45 AM

Saturday January 30, 2010

A. P. Eveland, Presiding

- 8:30 SEXUAL HEALTH ATTITUDES AND BEHAVIOR AMONGST ACCULTURATED YOUNG SOUTH ASIAN AND MIDDLE EASTERN FEMALES.**
LH Wlasiuk, H MacNear, N Shaikh and S Yasmeen, Sacramento, CA. University of California, Davis Abstract 474
- 8:45 NON-PHARMACOLOGICALLY INDUCED REWARDS AND ANHEDONIA: A STUDY OF SKYDIVERS.**
CE Kurlinkus and G Xiong, Sacramento, CA. University of California, Davis Abstract 475
- 9:00 REDUCING STUDENT BURNOUT AND STRESS UTILIZING WEB-BASED INTERVENTIONS.**
J Lillemon and N Haddad, Denver, CO. University of Colorado Abstract 476

- 9:15 INVESTIGATING THE ROLE OF PERFECTIONISM IN EATING DISORDER SUBTYPES.**
M Nelson, J Hagman and M Solomon, Denver, CO and Aurora, CO. University of Colorado Denver (WSMRF) Abstract 477
- 9:30 TOBACCO USE IN BIPOLAR DISORDER.**
JM Haug, J Waxmonsky, A Olincy and L Martin, Denver, CO. University of Colorado Denver School of Medicine (WSMRF) Abstract 478
- 9:45 ADAPTIVE MECHANISM MATURITY IN RELATION TO ANXIETY AND DEPRESSION SYMPTOM SEVERITY IN CANCER PATIENTS.**
AT Cacace, Denver, CO. University of Colorado, Denver (WSMRF) Abstract 479

10:00–10:15 Intermission

- 10:15 ACTIVITY SCHEDULING AS A CORE COMPONENT OF EFFECTIVE CARE MANAGEMENT FOR LATE-LIFE DEPRESSION.**
G Riebe, S Vannoy, M Fan and J Unützer, Seattle, WA. University of Washington (WSMRF) Abstract 480
- 10:30 SUSTO AND POST-TRAUMATIC STRESS DISORDER: ETHNOPHARMACOLOGICAL AND PHARMACOLOGICAL TREATMENTS.**
AY Hunt, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 481
- 10:45 TEENAGE PRESCRIPTION DRUG ABUSE IN DARRINGTON, WA.**
A Dahl, Seattle, WA. University of Washington (WSMRF) Abstract 482
- 11:00 DEPRESSION IN PREMEDICAL UNDERGRADUATES.**
DZ Fang, San Diego, CA. University of California, San Diego School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 483
- 11:15 ENCOURAGING YOUTH SUN SAFETY AT A PUBLIC POOL IN GLASGOW, MONTANA.**
AE Gough, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 484
- 11:30 PATHOLOGICAL GAMBLING IN WENATCHEE, WASHINGTON: PREVALENCE AND ACCESS TO CARE.**
JW Redinger, Seattle, WA. University of Washington School of Medicine Abstract 485

STUDENT SCIENTIFIC SESSION X

Community Health/Infectious Disease/Nephrology/Metabolism, Lipids, and Diabetes

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Bingham Room #3

8:30 AM–11:30 AM

Saturday, January 30, 2010

Suzanne Allen, Presiding

- 8:30 ANTI-RETROVIRAL KNOWLEDGE, SOCIAL SUPPORT, AND STIGMA IN BUGEMBE, UGANDA: A SURVEY IN PREPARATION FOR COMMUNITY ANTI-RETROVIRAL TREATMENT.**
DL Pomeranz, NH Parker and CA Alsop, South Pasadena, CA. Keck School of Medicine, University of Southern California Abstract 486
- 8:45 HEPATITIS A/B PREVENTION AT WASHINGTON STATE PENITENTIARY.**
R Safran, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 487
- 9:00 THE NOVEL (H1N1) INFLUENZA VIRUS AND VACCINE EDUCATION IN DAVENPORT WASHINGTON.**
S Hargarten, Seattle, WA. University of Washington School of Medicine Abstract 488
- 9:15 CREATING LOCALLY APPROPRIATE HIV/SEXUALLY TRANSMITTED INFECTION OUTREACH MATERIALS: AN ACTIVITY TO EMPOWER PERUVIAN MEN WHO HAVE SEX WITH MEN AND TRANSGENDERED OUTREACH WORKERS.**
C Diaz, Seattle, WA. University of Washington (WSMRF) Abstract 489
- 9:30 EFFECTIVENESS OF COMMUNITY HEALTH WORKERS IN THE PREVENTION OF MALARIA IN MACHAKOS, KENYA.**
D Stromberg, J Frederiksen, J Hruschka, A Tomedi, M Mwanthi, B Skipper and D Broudy, Albuquerque, NM and Nairobi, Kenya. University of New Mexico School of Medicine Abstract 490
- 9:45 PREDICTORS OF POOR OUTCOMES AMONG TUBERCULOSIS PATIENTS IN COASTAL KENYA.**
JF Kah, M Arentz, D Low and J Watson, Seattle, WA and Claremont, CA. University of Washington (WSMRF) Abstract 491

10:00–10:15 Intermission

- 10:15 RENAL VOLUME DETERMINED BY COMPUTED TOMOGRAPHY.**
ND Prionas, MA Gillen, JM Boone and RW Katzberg, Sacramento, CA. University of California Davis Medical Center (WSMRF) Abstract 492

- 10:30 ALTERED EXPRESSION OF ENZYMES INVOLVED IN NITRIC OXIDE PRODUCTION IN ISLETS FROM DIABETIC MICE.**
E Bartholomew and RL Hull, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 493
- 10:45 DIABETES AND HEARING IMPAIRMENT AMONG AFRICAN AMERICANS AND HISPANICS IN THE UNITED STATES.**
SK Grisby, KE Wolf and M Bazargan, Los Angeles, CA. Charles Drew University of Medicine and Science (WSMRF) Abstract 494
- 11:00 LENS EPITHELIUM PROLIFERATION OF ALDOSE REDUCTASE TRANSGENIC MICE.**
G Zablocki, P Ruzycki and M Petrash, Aurora, CO. University of Colorado School of Medicine Abstract 495
- 11:15 THE EFFECTS OF GLYCEMIC CONTROL ON THE OUTCOMES OF ACUTE RENAL ALLOGRAFT REJECTION.**
K Wysham, CL Davis and IB Hirsch, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 496

STUDENT SCIENTIFIC SESSION XI

Surgery

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center, Rehearsal Room

8:30 AM–12:00 PM

Saturday, January 30, 2010

Jay Erickson, Presiding

- 8:30 EVALUATION OF RISK COMMUNICATION IN THE FIELD OF ELECTIVE COSMETIC SURGERY USING A MENTAL MODELS APPROACH.**
RW Chambers, Vancouver, BC, Canada. University of British Columbia Abstract 497
- 8:45 VIDEO PRODUCTION AS A LEARNING TOOL FOR SURGICAL EDUCATION.**
C Wu, P Verma, K Kwan, D Duffy and J Masterson, Vancouver, BC, Canada. University of British Columbia Abstract 498
- 9:00 FIRST METATARSOPHALANGEAL HEMIARTHROPLASTY FOR GRADE 3 AND 4 HALLUX RIGIDUS: A PROSPECTIVE EVALUATION OF FUNCTIONAL AND SYMPTOMATIC IMPROVEMENT.**
L Frizzell, E Giza, M Sullivan, D Ocel, G Lundeen and M Mitchell, Sacramento, CA; Sydney, NSW, Australia; Reno, NV; Louisville, CO and Casper, WY. University of California, Davis (WSMRF) Abstract 499
- 9:15 CORRELATING ADJUSTED LIP PROPORTIONS AND FACIAL ATTRACTIVENESS.**
NA Popenko, L Mainis, Z Devcic, K Karimi and BJ Wong, Laguna Beach, CA. University of California Irvine Abstract 500
- 9:30 THE USE OF A COMPOSITE FEMORAL COMPONENT IN PRIMARY THA: A PROSPECTIVE, RANDOMIZED CONTROLLED, CLINICAL, RADIOGRAPHIC AND DXA COMPARATIVE STUDY.**
BM Askam, RG Cohen, JA Maltry, JA Katz, LR Houseman and NV Skrepnik, Tucson, AZ. University of Arizona College of Medicine Abstract 501
- 9:45 COMPLEX NEUROFIBROMAS OF THE SCALP: A CASE SERIES.**
KS Grewal, MK Heran and DJ Courtemanche, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 502

10:00–10:15 Intermission

- 10:15 THE VALUE OF ANATOMIC VISUALIZATION PROVIDED BY MAGNETIC RESONANCE IMAGING IN SURGICAL PLANNING FOR CASES OF ABERRANT ANATOMY.**
CJ Wallis and J Masterson, Vancouver, BC, Canada. University of British Columbia Abstract 503
- 10:30 UNIVERSITY OF BRITISH COLUMBIA ONLINE PBL CASES HOSTED ON DIAGNOSIS X: THE STUDENTS' PERSPECTIVE.**
MJ Gilley, S Wise and J Masterson, Vancouver, BC, Canada. University of British Columbia Abstract 504
- 10:45 ICLICKER™ TRIAL STUDY AT THE UNIVERSITY OF BRITISH COLUMBIA MEDICAL SCHOOL.**
S Wise, M Gilley, J Masterson, K Afshar and L Peterson, Vancouver, BC, Canada. University of British Columbia Abstract 505
- 11:00 LIGHTS, CAMERA, SURGERY: EVALUATION OF A PILOT PROJECT FOR MEDICAL STUDENTS TO PRODUCE SURGICAL EDUCATION LEARNING RESOURCES.**
K Kwan, C Wu, D Duffy, J Masterson and G Blair, Vancouver, BC, Canada. University of British Columbia Abstract 506
- 11:15 A CLINICAL REVIEW OF TETRALOGY OF FALLOT AND ITS VARIANTS: ASSESSMENT OF PERI-OPERATIVE OUTCOMES.**
T Jasinovic and JG Leblanc, Vancouver, BC, Canada. University of British Columbia Abstract 507
- 11:30 COMPLIANCE OF PHACOEMULSIFICATION SYSTEMS AND THE HUMAN EYE.**
M Nejad and KM Miller, Los Angeles, CA. University of California, Los Angeles (WSMRF) Abstract 508
- 11:45 MANAGEMENT OF INTRACTABLE BLADDER NECK CONTRACTURE AND URINARY INCONTINENCE: LONG TERM EVALUATION.**
P Kadam, P Reyblat, D Ginsberg and S Boyd, Los Angeles, CA. Keck School of Medicine of University of Southern California Abstract 509

RESIDENTS' FORUM

Sunset Center – Carpenter Hall
8:30 AM–11:00 AM
Saturday, January 30, 2010

Sergio Huerta, Presiding

- 8:30 PRIMARY MYOCARDIAL DISEASE IS A CAUSE OF LEFT VENTRICULAR DIASTOLIC DYSFUNCTION IN SYSTEMIC LUPUS ERYTHEMATOSUS.**
IB Alomari, K Awad, C Qualls, C O'Rourke, J Sharrar, W Sibbitt and CA Roldan, Albuquerque, NM. University of New Mexico Abstract 510
- 8:45 MATERNAL AND NEONATAL OUTCOMES OF HOSPITAL DELIVERIES IN WESTERN NEPAL.**
H Fremgen, T Dickerson, F Nkoy and B Fassl, Salt Lake City, UT. University of Utah Abstract 511
- 9:00 MATERNAL ZINC DEFICIENCY INDUCED CHANGES IN HEPATIC IGF-1 MRNA EXPRESSION ARE NOT ACCOMPANIED BY IGF-1 DNA METHYLATION.**
BY Lang, Y Wang, Q Fu, M Hale, R McKnight, L Joss-Moore, M Jou, B Lonnerdal, A Philipps and R Lane, Salt Lake City, UT and Sacramento, CA. University of Utah Abstract 512
- 9:15 DHA EXPOSURE REDUCES GALACTOKINASE MRNA LEVELS IN THE IUGR RAT.**
KE Day, L Joss-Moore, R McKnight, C Callaway, Y Wang, X Yu and R Lane, Salt Lake City, UT. University of Utah Abstract 513
- 9:30 PROXIMAL TUBULAR ACIDOSIS AND PANCREATITIS IN A 2 YEAR OLD GIRL: A CASE REPORT AND LITERATURE REVIEW.**
T Vo, S Barayan and B Powell, Fresno, CA. UCSF Fresno Medical Education Program Abstract 514
- 9:45 THE IMPORTANCE OF BEHAVIORAL AND ATTENTION DISORDERS IN INDIVIDUALS WITH 8P23.1 DELETIONS.**
K Bermudez Wagner and A Slavotinek, San Francisco, CA. University of California, San Francisco Abstract 515
- 10:00–10:15 Intermission*
- 10:15 SLEEPINESS IN HEALTH CARE PROVIDERS: A PILOT STUDY.**
T Singh, RS Sirohi, GP Singh and M Saadat, French Camp, CA. San Joaquin General Hospital Abstract 516
- 10:30 SOMATIC SYMPTOMS AND THE ASSOCIATION BETWEEN HEPATITIS C INFECTION AND DEPRESSION IN HIV-INFECTED PATIENTS.**
JC Yoon, PK Crane, PS Ciechanowski, RD Harrington, MM Kitahata and HM Crane, Seattle, WA. University of Washington Abstract 517
- 10:45 FOREIGN BODY REACTION: A RARE CASE OF GRANULOMATOUS MASTITIS.**
CG Tang, AM Birch and KC O'Neal, Oakland, CA and Irvine, CA. Kaiser Permanente Oakland Medical Center (WSMRF) Abstract 518

CALIFORNIA THORACIC SOCIETY – SESSION II

Carmel Women's Club
1:00 PM – 5:00 PM
Saturday, January 30, 2010

Angela C. C. Wang, Chair

- 1:00 CTS 2009 OUTSTANDING CLINICIAN**
Pulmonary Physiology and the Pediatric ICU
Christopher J. L. Newth, University of Southern California, Los Angeles
- 1:40 CONDUCT DAILY PRE-TEST**
- 1:45 DIAGNOSIS & TREATMENT OF IN-TERSTITIAL LUNG DISEASES:**
Case Presentations, Audience & Panel Discussion
CASE I: A 65 y/o nonsmoking Caucasian female presents with a 6 month history of progressive dyspnea on exertion
CASE II: A 68 y/o ex-smoker presents with a 9-month history of dry cough
CASE III: 50 y/o woman with 4-month history of fatigue and malaise
EXPERT PANELISTS:
Andrew L. Chan, University of California, Davis
Harold R. Collard, University of California, San Francisco School of Medicine
Glenn D. Rosen, Stanford University Medical Center
- 4:45 CONFERENCE WRAP-UP AND CONCLUSIONS**

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