

WESTERN REGIONAL MEETING AT A GLANCE**CARMEL, CALIFORNIA****JANUARY 30—FEBRUARY 2, 2008**

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

TIME	ACTIVITY and LOCATION
WEDNESDAY, JANUARY 30, 2008	
1:00 pm – 5:00 pm 3:00 pm – 5:00 pm	Faculty and Fellow Registration Entry Lobby – Sunset Center Student and Resident Registration Monterey Beach Hotel – Captain’s Table Room
2:00 pm – 5:00 pm CME certified	What Is New About Obesity? <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, WSPR, and WSMRF Carmel Women’s Club
THURSDAY, JANUARY 31, 2008	
8:00 am – 5:00 pm 7:00 am – 11:00 am 3:00 pm – 6:00 pm	Faculty and Fellow Registration Pacific Repertory Theater – Golden Bough Student and Resident Registration Monterey Beach Hotel – Captain’s Table
8:30 am – 11:45 am CME certified	WAFMR, WSCI, WAP, and WSPR Joint Plenary Session I WSPR Ross Young Investigator Research Award WAP Distinguished Lectureship WSCI Mayo Soley Award Pacific Repertory Theater – Golden Bough
12:15 pm – 1:15 pm	New Investigator Workshops <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i> Sunset Center – Bingham #3 Grant Writing 101 John C. Rutledge, <i>University of California, Davis</i> Sunset Center – Chapman #4 Manuscript Writing 101 Bradley Anawalt, <i>University of Washington</i>
1:45 pm – 4:45 pm CME certified	WAFMR, WSCI, WAP, and WSPR Joint Plenary Session II WSPR David W. Smith Pediatric Trainee Research Award WSPR Lowell Glasgow Student Research Award WSPR Stanley Wright Memorial Lecture E.E. Osgood Award WAFMR Outstanding Investigator Award WSCI Outstanding Investigator Award Invited Speaker: James P. Kiley, National Heart, Lung and Blood Institute NHLBI Chronic Obstructive Pulmonary Disease (COPD) Research and Education Program Pacific Repertory – Golden Bough
4:45 pm – 5:00 pm	WSCI Business Meeting Pacific Repertory Theater – Golden Bough
4:45 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 – Pine Inn
6:00 pm – 9:00 pm	West Coast Endocrine Club Carmel Room – La Playa Hotel
6:00 pm – 9:00 pm	Western Kidney Club Il Forniao – Pine Inn
FRIDAY, FEBRUARY 1, 2008	
8:00 am – 5:00 pm 7:00 am – 11:00 am 3:00 pm – 6:00 pm 1:00 pm – 1:30 pm	Faculty and Fellow Registration Entry Lobby – Sunset Center Student and Resident Registration Monterey Beach Hotel – Captain's Table Room CTS Credit Sign In Registration Carmel Women's Club
7:00 am – 8:00 am	Breakfast-with-the-Investigator Monterey Beach Hotel – La Grande Room
8:30 am – 12:00 pm CME certified	Concurrent Sessions Behavior and Development – Bingham #3, Sunset Center Cardiovascular I – Il Forniao, Pine Inn Endocrinology I – Room #6, Sunset Center Genetics – Rehearsal Room, Sunset Center Health Care Research I – Promenade Lobby, Sunset Center Hematology and Oncology I – Studio 105, Sunset Center Metabolism I – Carlson Hall, Church of the Wayfarer Neonatal – Pulmonary – 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 – 11:30 am	Student Scientific Session I Pediatric and Adolescent Medicine Monterey Beach Hotel – Pt. Cabrillo
8:30 am – 12:00 pm	Student Scientific Session II Aging, Behavior, and Development Monterey Beach Hotel – Pt. Alones
8:30 am – 11:45 am CME certified	Student Scientific Session III Infectious Diseases Sunset Center – Chapman #4
8:30 am – 11:15 am CME certified	Student Scientific Session IV Developmental Biology and Metabolism Sunset Center – Carpenter Hall
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	New Investigator Workshops <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i> Sunset Center – Bingham #3 Grant Writing 101 John C. Rutledge, <i>University of California, Davis</i> Sunset Center – Chapman #4 Manuscript Writing 101 Bradley Anawalt, <i>University of Washington</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, Pine Inn Gastroenterology and Hepatology I – 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 Metabolism II – Carlson Hall, Church of the Wayfarer Morphogenesis and Malformations – Rehearsal Room, Sunset Center Neonatology – General II – All Saints Church Auditorium Nephrology and Hypertension – Conductor’s Room, Sunset Center
1:30 pm – 4:45 pm	Student Scientific Session V Neuroscience and Health Care Monterey Beach Hotel – Pt. Cabrillo
1:30 pm – 5:00 pm	Student Scientific Session VI Surgery I Monterey Beach Hotel – Pt. Alones
1:30 pm – 5:00 pm	California Thoracic Society – Session I Managing Severe Asthma Pulmonary Complications of Rheumatic Diseases <i>Keynote Lecture: Idiopathic Interstitial Pneumonias: Diagnosis And Management</i> Carmel Women’s Club
5:30 pm – 7:30 pm	Dysmorphology Club Carpenter Hall – Sunset Center
6:00 pm – 9:30 pm <i>CME certified</i>	Jr. Faculty and Fellow Subspecialty Scholars Award Event Entry Lobby – Sunset Center <i>(by invitation only)</i>
6:00 pm – 9:30 pm	Western Metabolism Club Rehearsal Room – Sunset Center
6:00 pm – 9:30 pm	Western Perinatal Club La Playa Hotel – Carmel Room
6:00 pm – 9:00 pm	CTS Social Hour and Dinner La Playa Hotel
SATURDAY, FEBRUARY 2, 2008	
8:00 am – 12:00 pm 7:00 am – 11:00 am 3:00 pm – 6:00 pm 1:15 pm – 1:30 pm	Faculty and Fellow Registration Entry Lobby – Sunset Center Student and Resident Registration Monterey Beach Hotel – Captain’s Table Room CTS Registration Carmel Women’s Club
7:00 am – 8:00 am	Breakfast-with-the-Investigator Monterey Beach Hotel – La Grande Room
8:30 am – 12:00 pm <i>CME certified</i>	Concurrent Sessions Cardiovascular III – Il Forniao, Pine Inn Endocrinology II – Room #6, Sunset Center Gastroenterology and Hepatology II – Promenade Lobby, Sunset Center Hematology and Oncology II – Studio 105, Sunset Center Immunology and Rheumatology II – Chapman #4, Sunset Center Metabolism III – Carlson Hall, Church of the Wayfarer 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 – 11:45 am	Student Scientific Session VII Health Care Research and Community Medicine Monterey Beach Hotel – Pt. Cabrillo

8:30 am – 11:45 am	Student Scientific Session VIII Surgery II Monterey Beach Hotel – Pt. Alones
8:30 am – 10:45 am <i>CME certified</i>	Student Scientific Session IX Cardiology Sunset Center – Bingham #3
8:30 am – 11:00 am <i>CME certified</i>	Student Scientific Session X Hematology and Oncology Sunset Center – Rehearsal Room
8:30 am – 11:15 am <i>CME certified</i>	Student Scientific Session XI Neonatal and Pulmonary Sunset Center – Carpenter Hall
8:30 am – 10:00 am	Residents' Forum Monterey Beach Hotel – Pt. Pinos
12:00 pm – 2:00 pm	Residents' Luncheon and Residency Application Panel for Medical Students <i>Invited Speaker: Sergio Huerta, University of Texas Southwestern</i> Science, Academics, Medicine, A Life: What Does It All Mean? Monterey Beach Hotel – La Grande Room
1:30 pm – 5:30 pm	California Thoracic Society – Session II Managing Sarcoidosis Childhood Antecedents of Adult Pulmonary Disease <i>CTS Master Clinician Lecture:</i> Evidence-Based Guidelines For Pulmonary Rehabilitation Carmel Women's Club
5:30 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 Monterey Beach Hotel – Points Ballroom

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

Tulane University Health Sciences Center

PROGRAM OBJECTIVES: At the conclusion of this educational activity, the participant should be better able to: Comprehend knowledge and skills in various areas of basic and clinical research, apply knowledge gained in all areas of investigation and research, and understand new tools for the teaching and practicing of medicine.

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 18.75 *AMA Physician's Recognition Award category 1 credits*TM. Each physician should claim only those hours of credit that he/she actually spent in the educational activity.

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

PROCEDURE FOR CME CREDIT: To receive the appropriate number of CME credits, it is important to do the following:

Upon arrival, pick up your verification form at the Registration Desk.

On your departure, turn in your completed verification form at the Registration Desk.

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

DISCLOSURE: It is the policy of the Center for Continuing Education at Tulane University Health Sciences Center to plan and implement all of its educational activities in accordance with the ACCME's Essential Areas and Policies to ensure balance, independence, objectivity, and scientific rigor. In accordance with the ACCME's 2004 Standards for Commercial Support, everyone who is in a position to control the content of an educational activity certified for *AMA PRA Category 1 CreditTM* 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, for example, facilitators and moderators. This disclosure pertains to relationships with pharmaceutical companies, biomedical device manufacturers, or other corporations whose products or services are related to the subject matter of the presentation topic. Any real or apparent conflicts of interest related to the content of the presentations must be resolved prior to the educational activity. Disclosure of off-label, experimental, or investigational use of drugs or devices must also be made known to the audience.

CARMEL SCHOLARS PROGRAM

On behalf of the Western Organizing Committee we would like to thank the sponsors of the Sixth Annual Fellow and Junior Faculty Scholars Program. The purpose of this program is to support the early academic careers of young junior faculty and fellows by providing opportunities for networking between early career scientists and learning about academic career pathways from established academicians. Our goal is to recognize and honor the contributions of the next generation of academic physician scientists and provide tools for their long term success.

Carmel Scholars in the area of:
Immunology and Rheumatology
Obesity

OUR PROUD MEETING SPONSORS INCLUDE

Centocor Pharmaceuticals
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ACKNOWLEDGMENTS

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:

Amylin
Genzyme Genetics
Howard Hughes Medical Institute
Huntington Beach Internal Medicine Group
Pfizer
Sanford Health and Sanford Children's Hospital
Sanofi-Aventis
Sergio Huerta

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

Sharon Adler
Kourosh Afshar
Bradley Anawalt
F. Curt Bennett
Susan Boackle
Michel Boivin
Arlene Brown
Laura Brown
Marie Chesselet
Ken Chiu
Carol Clericuzio
Kathleen Colleran
Michael Crawford
William Cunningham
Darin Davidson
Kevin Deane
Larry Drew
Heidi Feldman
Erika Fernandez

Ted Freidman
David Gilbert
Danny Greenberg
Theodore Hahn
Marilyn Jones
Neil Josephson
John Kinsella
Alberta Kong
Robert Lane
William Langston
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Carlin Long
Tom Ma
Alvin Matsumoto
Wayne McCormick
Kishore Mulpuri
Keith Norris

Robin Ohls
Stephanie Page
Madeleine Pahl
Anthony Philipps
May Reed
Robert Richard
Bill Schubach
Kathryn Schuff
Anne Slavotinek
Brian Stauffer
David Stevenson
P.J. Utz
Kristina Utzschneider
Nick Vaziri
Jeffrey Wallace
Cecilia Wang
Brian Wong
Paul Young

SPECIALTY ANNOUNCEMENTS

THURSDAY, JANUARY 31, 2008

DEVELOPMENTAL BIOLOGY CLUB

5:00 PM

Church of the Wayfarer

David W. Smith Memorial Lecture

Human Embryonic Stem Cells in Genetic and Developmental Research

Featured Speaker: Nissim Benvenisty, *Cedars-Sinai Medical Center and Hebrew University*

Contact person: David Rimoin

Supported by Mead Johnson Nutritionals

CARDIOVASCULAR CLUB

6:00 PM

Il Forniao – Pine Inn

Therapeutic Hypothermia for Resuscitated Cardiac Arrest Patients

Featured Speaker: Francis Kim, *University of Washington*

Space is limited. RSVP to Carlin Long, Carlin.Long@dhha.org

Supported by an unrestricted educational grant from Takeda Pharmaceuticals

WEST COAST ENDOCRINE CLUB

6:00 PM

Carmel Room, La Playa Hotel

Reception and Scientific Program

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

Acromegaly: The Big Picture

Featured Speaker: Anne Klibanski, *Massachusetts General Hospital and Harvard Medical School*

Supported by an educational grant from Tercica, Inc.

WESTERN KIDNEY CLUB

6:00 PM

Il Forniao – Pine Inn

Mechanism of Lipid Disorder in Chronic Kidney Disease

Featured Speaker: TBA

Contact person: Mohammad Malekzadeh: mmalekzadeh@ladhs.org

FRIDAY, FEBRUARY 1, 2008

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

Rehearsal Room – Sunset Center

Presentation of 2008 Robert H. Williams-Rachmiel Levine Award

Mechanism of Insulin Resistance: Cause or Effect of Diabetes?

Recipient: Donald McClain, *University of Utah*

WESTERN PERINATAL CLUB

6:00 PM – 9:30 PM

Carmel Room – La Playa Hotel

Perinatal Briefing

Correlation of Survival with NICU Volume and Level. Does Size Matter?

Featured Speaker: Cairin Phibbs, *Stanford University School of Medicine and VA Palo Alto Health Care System*

Supported by Mead Johnson Nutritionals

WESTERN ASSOCIATION OF PHYSICIANS

Sunset Center – Carpenter Hall

Wednesday, January 30, 2008

2:00 PM – 5:00 PM

WHAT IS NEW ABOUT OBESITY?

Michael Crawford and Christina Wang, Presiding

- 2:00 **GENETICS OF OBESITY.**
Christian Vaisse, *University of California, San Francisco*
- 2:45 **INFLAMMATION AND INSULIN RESISTANCE/DIABETES.**
Jerrold Olefsky, *University of California, San Diego*
- 3:15 **BREAK**
- 3:30 **NOVEL APPROACHES TO TREATMENT.**
Jonathan Purnell, *Oregon Health & Science University*
- 4:15 **METABOLIC UNDERPINNINGS OF BARIATRIC SURGERY.**
David Cummings, *University of Washington*
- 5:00 **WESTERN ASSOCIATION OF PHYSICIANS BUSINESS MEETING**
- 5:30 **JOINT SOCIETY RECEPTION**

JOINT PLENARY SESSION I

MOLECULAR BIOLOGY OF AGING

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 – 11:45 AM

Thursday, January 31, 2008

Kevin O'Brien and Christina Wang, Presiding

- 8:30 **WSPR ROSS YOUNG INVESTIGATOR RESEARCH AWARD**
IMPACT OF INFLAMMATION ON LUNG DEVELOPMENT
Vedang Londhe, *David Geffen School of Medicine at UCLA*
- 9:00 **THE GENETICS OF AGING.**
Luigi Ferrucci, *National Institute on Aging*

9:45 – 10:00 Intermission

- 10:00 WAP DISTINGUISHED LECTURESHIP**
MITOCHONDRIAL DNA, OXIDATIVE STRESS AND AGING.
Douglas C. Wallace, *University of California, Irvine*
- 10:45 PROGERIA SYNDROMES.**
Stephen G. Young, *David Geffen School of Medicine at UCLA*
- 11:30 WSCI MAYO SOLEY AWARD**
Presenter: Robert H. Eckel, *University of Colorado Health Sciences Center*
Recipient: John Brunzell, *University of Washington School of Medicine*
- 11:45 ADJOURN**

NEW INVESTIGATOR WORKSHOPS

12:15 PM – 1:15 PM

Thursday, January 31, 2008

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

GRANT WRITING 101.

John C. Rutledge, *University of California, Davis*

Sunset Center – Chapman #4

MANUSCRIPT WRITING 101.

Bradley Anawalt, *University of Washington*

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 – 4:45 PM

Thursday, January 31, 2008

Stephanie T. Page and Eugene Hoyme, Presiding

- 1:45 **WSPR ROSS DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD EXPRESSION AND FUNCTION OF ERYTHROPOIETIN AND VASCULAR ENDOTHELIAL GROWTH FACTOR INCREASED IN OXYGEN INDUCED RETINOPATHY.**
S Patel, H Chen, N London, Z Tong, Z Yang, D Li and K Zhang, Salt Lake City, UT. University of Utah (WSPR) Abstract 1
- 2:00 **WSPR ROSS LOWELL GLASGOW STUDENT RESEARCH AWARD NEUTRALIZATION OF IL-17 WITH POLYCLONAL ANTI-IL-17 ANTIBODY ATTENUATES DEXTRAN SULFATE SODIUM-INDUCED COLITIS IN MICE.**
JS Meyrowitz, W Zhong, J Rosenbaum, D Pillers and Z Zhang, East Lansing, MI and Portland, OR. Michigan State University (WSMRF), (WSPR) Abstract 2
- 2:15 **WSPR STANLEY WRIGHT MEMORIAL LECTURE RecQ HELICASES AND HUMAN DISEASE.**
Raymond J. Monnat, Jr., University of Washington School of Medicine

2:45 – 3:00 Intermission

- 3:00 **E. E. OSGOOD AWARD DETERMINANTS OF VIRAL ASSEMBLY FOR THE NIPAH VIRUS MATRIX, FUSION, AND ATTACHMENT PROTEINS.**
DY Choi, C Kwan, M Cerrato and HC Aguilar, Los Angeles, CA. David Geffen School of Medicine Abstract 3
- 3:15 **WAFMR OUTSTANDING INVESTIGATOR AWARD VISFATIN: A GENETIC DETERMINANT OF INSULIN SENSITIVITY.**
MO Goodarzi, YI Chen, J Cui, X Guo, K Taylor, WA Hsueh and JI Rotter, Los Angeles, CA. Cedars-Sinai Medical Center (WAFMR) Abstract 4
- 3:45 **WSCI OUTSTANDING INVESTIGATOR AWARD MECHANISMS OF SINUSOIDAL OBSTRUCTION SYNDROME.**
Laurie Deleve, University of Southern California, Keck School of Medicine
- 4:15 **NHLBI CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) RESEARCH AND EDUCATION PROGRAM.**
James P. Kiley, National Heart, Lung and Blood Institute
- 4:45 **WSPR BUSINESS MEETING**
WSCI BUSINESS MEETING

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 31, 2008

- 1 **ATTITUDES TOWARDS COMPLEMENTARY AND ALTERNATIVE MEDICINE IN A PEDIATRIC HOSPITAL.**
J Valentine, N Jimenez and A Kundu, Seattle, WA. University of Washington (WSPR Subspecialty Award Winner) Abstract 5
- 2 **GLENOHUMERAL MUSCLE ARCHITECTURE DIFFERS WITH AGE.**
G Altobelli, C Eng, D Gokhin, A Taylor, R Lieber and S Ward, La Jolla, CA and Durham, NC. University of California, San Diego (WAFMR/WSCI Subspecialty Award Winner) Abstract 6
- 3 **LACK OF ENDOGENOUS β -ENDORPHIN AND ENKEPHALINS REDUCES DRUG SEEKING BEHAVIOR IN COCAINE ADDICTED MICE.**
D Mahato and K Lutfy, Pomona, CA. Western University of Health Sciences (WSPR Subspecialty Award Winner) (WSMRF) Abstract 7
- 4 **ROLE OF LIVER X RECEPTOR IN CALCIFICATION OF MURINE AORTIC CELLS.**
JJ Hsu, MS Huang, J Lu, LL Demer and Y Tintut, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 8
- 5 **SHH IS NECESSARY FOR LIMB REGENERATION.**
LN Bautista, N Mishima and KC Oberg, Loma Linda, CA. Loma Linda University (WSPR Subspecialty Award Winner) (WSMRF) Abstract 9
- 6 **MOUSE MODEL OF TESTOSTERONE-INDUCED MUSCLE FIBER HYPERTROPHY.**
D Brown, E Kovacheva, E Assanah and I Sinha-Hikim, Los Angeles, CA. Charles R. Drew University (WAFMR/WSCI Subspecialty Award Winner) Abstract 10
- 7 **MECHANISM OF PTEN INTERACTIONS IN COLORECTAL CANCERS AND HAMARTOMATOUS POLYPS.**
JK Lee, SC Huang and JM Carethers, La Jolla, CA. University of California, San Diego (WAFMR/WSCI Subspecialty Award Winner) Abstract 11
- 8 **EARLY POSTNATAL BODY FAT DEPOSITION IN INTRAUTERINE GROWTH RESTRICTED (IUGR) TERM INFANTS.**
A Tumsatan, H Slater, K Gulliver, R Wilkinson, M Varner, J Byrne and L Moyer-Mileur, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) (WSMRF) Abstract 12
- 9 **AN ABUNDANT EVOLUTIONARILY CONSERVED CSB-PIGGYBAC FUSION PROTEIN EXPRESSED IN COCKAYNE SYNDROME.**
J Newman, A Bailey, T Pavelitz, H Fan and A Weiner, Seattle, WA and Philadelphia, PA. University of Washington (WSPR Subspecialty Award Winner) Abstract 13
- 10 **SOCIODEMOGRAPHIC FACTORS ASSOCIATED WITH HEALTHCARE UTILIZATION IN SIEM REAP CAMBODIA.**
BM Schmitz, S Nhean, M Morgan and S Bezruchka, Seattle, WA and Siem Reap, Cambodia. University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 14

- 11 **ROLE OF RAL GTPASES IN RAS-MEDIATED CANCER METATSTASIS.**
JL Zhao, M Oberst and K Kelly, Los Angeles, CA and Bethesda, MD. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 15
- 12 **THE ROLE OF TGF-ALPHA AND VITAMIN D IN KERATINOCYTE HOST DEFENSE.**
CG Senavsky, LS Miller and RL Modlin, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 16
- 13 **ROLE OF EPITHELIAL MEMBRANE PROTEIN (EMP2) IN CHLAMYDIA INFECTIVITY IN VIVO.**
MK Nguyen, AM Chan, K Shimazaki, R Moniz, K Kelly, LK Gordon and J Braun, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 17
- 14 **EFFECT OF CARELINK, AN INTERNET-BASED INSULIN PUMP MONITORING SYSTEM ON GLYCEMIC CONTROL IN RURAL AND URBAN CHILDREN WITH TYPE 1 DIABETES MELLITUS.**
E Corrievau, P Durso, E Kaufman, B Skipper, L Laskaratos and K Heintzman, Albuquerque, NM. University of New Mexico School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 18
- 15 **COMPARISON OF SINGLE VERSUS MULTIPLE ECHOGENIC FOCI IN THE FETAL HEART REGARDING THE RISK OF ANEUPLOIDY.**
B Chiong, E Gerscovich, L Morris, J McGahan and D Towner, Sacramento, CA. University of California, Davis (WSPR Subspecialty Award Winner) (WSMRF) Abstract 19
- 16 **COMPARISON OF NITRITE METABOLISM IN FETAL AND ADULT BLOOD.**
J Lo, S Verma, M Joshi, D Kim-Shapiro, G Power and A Blood, Loma Linda, CA and Salem, NC. Loma Linda University (WSPR Subspecialty Award Winner) Abstract 20
- 17 **THE PREVALENCE OF DIABETES 20 YEARS FOLLOWING EXTRACORPOREAL SHOCK-WAVE LITHOTRIPSY.**
RK Masson, S Chan, R Hamidzadeh, VA Rowley, R Paterson, C Zwirewich and B Chew, Vancouver, BC, Canada. University of British Columbia (WAFMR/WSCI Subspecialty Award Winner) Abstract 21
- 18 **HISTOLOGICAL ANALYSIS OF POST MORTEM ALZHEIMER'S DISEASE AND CEREBRAL AMYLOID ANGIOPATHIC BRAIN AT POINT OF SMALL HYPOINTENSITIES IN SUSCEPTIBILITY WEIGHTED MR IMAGES.**
M Schrag, G McAuley, B Holshouser, H Vinters and W Kirsch, Loma Linda, CA and Los Angeles, CA. Loma Linda University (WAFMR/WSCI Subspecialty Award Winner) Abstract 22
- 19 **TRANSITION TO ORAL VASODILATOR THERAPY FOR SEVERE PULMONARY ARTERIAL HYPERTENSION (PAH) - A SINGLE CENTER SERIES.**
MS Sidhu, R Saggat, JA Belperio, R Saggat, JP Lynch III, S Weigt, DA Zisman and DJ Ross, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 23
- 20 **ANTECEDENT SIMULATION TRAINING ACCELERATES LEARNING OF SHOULDER ARTHROSCOPY.**
JR Kirkham, SL Slaney, A Chamberlain, CJ Wahl and LA Taitsman, Seattle, WA. University of Washington (WAFMR/WSCI Subspecialty Award Winner) Abstract 24

BREAKFAST-WITH-THE-INVESTIGATOR

Monterey Beach Hotel – La Grande Room

7:00 AM – 8:00 AM

Friday, February 1, 2008

CHOOSING A SUBSPECIALTY: CAREER, ACADEMICS AND LIFESTYLE.

Robb MacLellan, *David Geffen School of Medicine at UCLA*

AN ACADEMIC CAREER IN CLINICAL INVESTIGATION.

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

DOES RESEARCH TRAINING HELP YOU IN PRIVATE PRACTICE?

Russell Klein, *Private Practice*

**CONCURRENT SESSIONS AND STUDENT
SCIENTIFIC SESSIONS**

Friday, February 1, 2008

8:30 AM

Jointly sponsored by

WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH

WESTERN SOCIETY FOR CLINICAL INVESTIGATION

WESTERN ASSOCIATION OF PHYSICIANS

WESTERN SOCIETY FOR PEDIATRIC RESEARCH

WESTERN STUDENT MEDICAL RESEARCH FORUM

Behavior and Development	Bingham Room #3, Sunset Center
Cardiovascular I	Il Forniao, Pine Inn
Endocrinology I	Room #6, Sunset Center
Genetics	Rehearsal Room, Sunset Center
Health Care Research I	Promenade Lobby, Sunset Center
Hematology and Oncology I	Studio 105, Sunset Center
Metabolism I	Carlson Hall, Church of the Wayfarer
Neonatal Pulmonary	All Saints Church, Auditorium
Neonatology – General I	All Saints Church, Sanctuary
Neuroscience I	Conductor’s Room, Sunset Center
Pulmonary and Critical Care I	Carmel Women’s Club
Surgery I	Green Room, Sunset Center

STUDENT SCIENTIFIC SESSIONS I, II, III, and IV

8:30 AM – 12:00 PM

STUDENT SCIENTIFIC SESSION I	Monterey Beach Hotel – Pt. Cabrillo
STUDENT SCIENTIFIC SESSION II	Monterey Beach Hotel – Pt. Alones
STUDENT SCIENTIFIC SESSION III	Sunset Center, Chapman #4
STUDENT SCIENTIFIC SESSION IV	Sunset Center, Carpenter Hall

Behavior and Development

Sunset Center, Bingham Room #3

Curt Bennett and Heidi M. Feldman, Presiding

- 8:30 THE USE OF MESSAGE AMONG CHILDREN WITH CEREBRAL PALSY.**
G Glew, M Fan, S Hagland, K Bjornson, S Beider and J McLaughlin, Seattle, WA and Beverly Hills, CA. *University of Washington* Abstract 25
- 8:45 FIRST CASE REPORT OF MONOZYGOTIC TWINS WITH SMITH-MAGENIS SYNDROME.**
J Lemay and M Hicks, Calgary, AB, Canada. *University of Calgary (WSPR)* Abstract 26
- 9:00 ABERRANT BEHAVIOR IN SMITH LEMLI OPTIZ SYNDROME: BIO-BEHAVIORAL INFLUENCES.**
RF Eagle, KA Freeman, RD Steiner, L Merkens and J Penfield, Portland, OR. *Oregon Health & Science University* Abstract 27
- 9:15 CHILDREN AND PARENTS DIFFERENTIAL PERCEPTION ON SELF REPORT OF FUNCTIONAL STATUS AND WELL-BEING OF CHILDREN ATTENDING SPECIALIZED SUMMER CAMPS.**
B Creel, WN Evans, GA Mayman, JC Collazos and H Restrepo, Las Vegas, NV. *Children's Heart Center* Abstract 28
- 9:30 THE PRESENCE OF NICOTINE IN THE URINE OF DRUG ENDANGERED CHILDREN.**
D Stewart and K Rogers, Sacramento, CA. *University of California Davis (WSPR)* Abstract 29
- 9:45 LACK OF ENDOGENOUS β -ENDORPHIN AND ENKEPHALINS REDUCES DRUG SEEKING BEHAVIOR IN COCAINE ADDICTED MICE.**
D Mahato and K Lutfy, Pomona, CA. *Western University of Health Sciences (WSPR Specialty Award Winner) (WSMRF)* Abstract 30

10:00 – 10:15 Intermission

- 10:15 EFFECT OF AN OSTEOPATHIC MANIPULATIVE PROCEDURE ON PSYCHOEMOTIONAL PARAMETERS.**
A Bagla, D Ananyev, C Rodriguez, R Mercado, M Seffinger and EJ Wagner, Pomona and La Verne, CA. *Western University of Health Sciences (WAFMR)* Abstract 31
- 10:30 ASSESSMENT IN FAMILY MEDICINE PHYSICIANS OF CONTINUOUS MEDICAL EDUCATION ON ADHD AND CO-MORBIDITIES.**
J Lemay, Calgary, AB, Canada. *University of Calgary (WSPR)* Abstract 32
- 10:45 EFFECTS OF DEPLOYMENT ON MILITARY CHILDREN.**
EM Flake, B Davis and PL Johnson, Tacoma, WA. *Madigan Army Medical Center (Carmel Scholar Award Winner)* Abstract 33
- 11:00 AUTISM WITH REGRESSION, FRAGILE X PREMUTATION AND EEG ABNORMALITIES WITHOUT CLINICAL SEIZURES.**
RS Akins and R Hagerman, Sacramento, CA. *M.I.N.D. Institute, University of California, Davis* Abstract 34
- 11:15 DYSMORPHOLOGY AND AUTISM.**
K Angkustsiri, B Moghaddam, T Wardinsky, J Gardner, N Kalamkarian, P Krakowiak, I Hertz-Picciotto and RL Hansen, Sacramento and Davis, CA. *University of California, Davis (Mead Johnson Travel Award Winner) (WSPR)* Abstract 35

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| <p>11:30 <i>State-of-the-Art Speaker</i>
THE MEDICAL MANAGEMENT OF AUTISM: STRENGTH OF THE SCIENTIFIC EVIDENCE.
Lynne Huffman, <i>Stanford University</i></p> |
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CARDIOVASCULAR I***Pine Inn, Il Forniao***

Robb MacLellan, Presiding

- 8:30 **ISOLATED RIGHT VENTRICULAR ENDOCARDIAL FIBROELASTOSIS ASSOCIATED WITH MATERNAL ANTI-SSA AND ANTI-SSB ANTIBODIES IN THE ABSENCE OF ATRIOVENTRICULAR BLOCK.**
P Ngeth, BK Iriye, WN Evans, KT Kip, H Restrepo and RJ Acherman, Las Vegas, NV. Children's Heart Center Abstract 36
- 8:45 **IDENTIFICATION OF BIOMARKERS OF HEART FAILURE IN SINGLE VENTRICLE PHYSIOLOGY.**
A Feraco, A Shah, C Harmon, J Fineman, T Tacy and HS Bernstein, San Francisco, CA. University of California, San Francisco (WSMRF) Abstract 37
- 9:00 **SIMPLE EVALUATION OF RIGHT VENTRICULAR SIZE: A NOVEL APPROACH.**
WN Evans, Las Vegas, NV. Children's Heart Center (WSPR) Abstract 38
- 9:15 **LONG-TERM FOLLOW-UP OF VENTRICULAR FUNCTION IN PATIENTS WITH D-TRANSPOSITION OF THE GREAT ARTERIES FOLLOWING ATRIAL SWITCH OPERATIONS: AN MRI AND ECHOCARDIOGRAPHY STUDY.**
M Shiota, J Aboulhosn, D Lohan and J Child, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 39
- 9:30 **VENTRICULAR FIBRILLATION WAVEFORM PREDICTS SHOCK OUTCOME.**
JD Waters, DB Jorgenson, LD Sherman, WE Crone and TD Rea, Seattle, WA and Federal Way, WA. University of Washington (WSMRF) Abstract 40
- 9:45 **THE SAFETY OF DISPATCHER-ASSISTED TELEPHONE CPR INSTRUCTIONS FOR NON-CARDIAC ARREST PATIENTS.**
J Rogers, M Eisenberg and L White, Seattle, WA. University of Washington Abstract 41

10:00 – 10:15 Intermission

- 10:15 **CLINICAL REASONING IN CARDIAC EXAMINATION.**
JM Vukanovic-Criley, SR Criley, P Basaviah, H Wang, E Schillinger and CH Braddock, Long Beach, Rolling Hills Estates, and Stanford, CA. St Mary Medical Center (WAFMR) Abstract 42
- 10:30 **REMOTE TESTING OF CARDIAC EXAMINATION COMPETENCY.**
JM Vukanovic-Criley, SR Criley, A Hovanesyan and JM Criley, Long Beach, Rolling Hills Estates, and Torrance, CA. St. Mary Medical Center (WAFMR) Abstract 43
- 10:45 **AN EVALUATION OF USING VIRTUAL PATIENTS FOR TEACHING AND TESTING CARDIAC EXAMINATION SKILLS IN FIRST YEAR MEDICAL STUDENTS.**
JM Vukanovic-Criley, P Basaviah, H Wang, E Schillinger and CH Braddock, Long Beach, and Stanford, CA. St. Mary Medical Center (WAFMR) Abstract 44
- 11:00 **THE ELECTROCARDIOGRAPHIC BRUGADA PATTERN IS RARELY ASSOCIATED WITH THE BRUGADA SYNDROME BUT IS COMMON WITH ACUTE CORONARY SYNDROME.**
N Farraj, K Desser, N Laufer, K Benson and M Burns, Phoenix, AZ. Banner Good Samaritan Medical Center/Carl T. Hayden VA Medical Center (Carmel Scholar Award Winner) Abstract 45
- 11:15 **TROPONIN FOR THE DIAGNOSIS OF ACUTE CORONARY SYNDROME IN PATIENTS WITH CHRONIC KIDNEY DISEASE.**
C Macias and R Komaragiri, Albuquerque, NM. University of New Mexico Health Sciences Center Abstract 46
- 11:30 **LEFT VENTRICULAR VOLUME IS A STRONG PREDICTOR OF ENDOCARDIAL VOLTAGE IN SUB-ACUTE AND CHRONIC SETTINGS OF MYOCARDIAL INFARCTION.**
FS Angeli, K Chatterjee, N Amabile, G Orcino, S Burjonroppa, W Grossman and Y Yeghiazarians, San Francisco, CA. University of California, San Francisco Abstract 47
- 11:45 **INDUCING HEAT STRESS WITH THERMALLY RESTRICTIVE CLOTHING IN MAXIMAL BRUCE PROTOCOL ELECTROCARDIOGRAPHY: A HOT BRUCE TEST.**
LW Raymond and TA Barringer, Charlotte, NC. University of North Carolina, Chapel Hill Abstract 48

Endocrinology I

Sunset Center, Room # 6

Bradley D. Anawalt and Stephanie T. Page, Presiding

- 8:30 **PHARMACOKINETICS AND PHARMACODYNAMICS OF ORAL TESTOSTERONE ENANTHATE PLUS DUTASTERIDE FOR FOUR WEEKS IN NORMAL MEN: IMPLICATIONS FOR MALE HORMONAL CONTRACEPTION.** Abstract 49
S Page, TF Kalhorn, WJ Bremner and JK Amory, Seattle, WA. University of Washington (WAFMR)
- 8:45 **MOUSE MODEL OF TESTOSTERONE-INDUCED MUSCLE FIBER HYPERTROPHY.** Abstract 50
D Brown, E Kovacheva, E Assanah and I Sinha-Hikim, Los Angeles, CA. Charles R Drew University (WSMRF)
- 9:00 **COMBINED TRANSDERMAL NESTORONE AND TESTOSTERONE GELS SUPPRESS GONADOTROPINS IN HEALTHY MEN.** Abstract 51
V Mahabadi, C Wang, J Amory, S Page, PD Christensen, R Sitruk-Ware, N Kumar, YY Tsong, D Blithe, WJ Bremner and RS Swerdloff, Torrance, CA; Seattle, WA; New York, NY, and Bethesda, MD. Harbor-UCLA Medical Center (Carmel Scholar Award Winner)
- 9:15 **TRANSPLANTED XY SPERMATOGONIAL STEM CELLS PRODUCE SPERM IN TESTES OF XXY MICE.** Abstract 52
Y Lue, K Erkkila, P Liu, K Ma, M Schwarcz, C Wang and R Swerdloff, Torrance, CA. Harbor-UCLA Medical Center (WAFMR)
- 9:30 **State-of-the-Art Speaker**
THE ROLE OF THE CALCIUM SENSING RECEPTOR IN CALCIUM HOMEOSTASIS.
Dolores Shoback, University of California, San Francisco

10:00 – 10:15 Intermission

- 10:15 **COMPARABLE HEIGHT GAIN WITH 3-MONTH AND 1-MONTH DEPOT LEUPROLIDE THERAPY IN CENTRAL PRECOCIOUS PUBERTY.** Abstract 53
HK Chiu, DF Gunther and GB Kletter, Seattle, WA. Children's Hospital & Regional Medical Center (Carmel Scholar Award Winner)
- 10:30 **ENDOCRINE ABNORMALITIES IN OBESE CHILDREN.** Abstract 54
WN Evans, GA Mayman, RJ Acherman, KT Kip and H Restrepo, Las Vegas, NV. Children's Heart Center (WSPR)
- 10:45 **ROLE OF P38 MITOGEN ACTIVATED PROTEIN KINASE/MITOGEN ACTIVATED PROTEIN KINASE ACTIVATED PROTEIN KINASE 2/HEAT SHOCK PROTEIN 27 PATHWAY IN MALE GERM CELL APOPTOSIS AFTER MILD TESTICULAR HYPERTHERMIA IN THE RAT.** Abstract 55
Y Jia, A Hikim, C Wang, Y Lue, V Atienza, J Castellanos, C Johnson and R Swerdloff, Torrance, CA and Nanjing, China. Harbor-UCLA Medical Center (WAFMR) (Carmel Scholar Award Winner)

GENETICS

Sunset Center, Rehearsal Room

Carol Clericuzio and David Stevenson, Presiding

- 8:30 **EVALUATION OF GENE PROMOTERS FOR EFFICIENT PRODUCTION OF HUMAN FACTOR VIII IN A MURINE MODEL OF HEMOPHILIA A.** Abstract 56
A Nguyen, A Dow, R Busuttill and GS Lipshutz, Los Angeles, CA. University of California, Los Angeles (WSMRF)
- 8:45 **EVALUATION OF CHITOSAN AS A GENE TRANSFER AGENT TO FETAL MURINE ORGANS AND HEK293T CELLS IN VITRO, AND FETAL ORGANS FOLLOWING IN UTERO GENE DELIVERY.**

- L Hoang, PT Yang, L Huang, WW Jia and ED Skarsgard, Vancouver, BC, Canada. *University of British Columbia (WSMRF)* Abstract 57
- 9:00 **AN ABUNDANT EVOLUTIONARILY CONSERVED CSB-PIGGYBAC FUSION PROTEIN EXPRESSED IN COCKAYNE SYNDROME.**
J Newman, A Bailey, T Pavelitz, H Fan and A Weiner, Seattle, WA and Philadelphia, PA. *University of Washington (WSPR Subspecialty Award Winner)* Abstract 58
- 9:15 **MITOTIC ARREST DEFICIENT-2 EXPRESSION IS INCREASED DURING CARCINOGEN EXPOSURE IN IMMORTALIZED BRONCHIAL EPITHELIAL CELL LINES, IN ASSOCIATION WITH ELEVATED LEVELS OF CYTOSINE METHYLTRANSFERASE 1 PROTEIN, ABER-RANT GENE PROMOTER HYPERMETHYLATION AND TRANSFORMATION.**
PE Romo, LA Damiani and SA Belinsky, Albuquerque, NM. *University of New Mexico* Abstract 59
- 9:30 **State-of-the-Art Speaker**
GeneTests: LESSONS LEARNED, NEW PROSPECTS.
Roberta Pagon, *University of Washington*

10:00 – 10:15 Intermission

- 10:15 **ISOLATION AND CHARACTERIZATION OF INTERLEUKIN-24 SPLICE VARIANTS.**
D Whang, E Schmidt, V Filippov and P Duerksen-Hughes, Loma Linda, CA. *Loma Linda University* Abstract 60
- 10:30 **IUGR ALTERS HISTONE CODE THAT IDENTIFIES TRANSCRIPTION FACTOR STAT5B BINDING SITE ON RAT HEPATIC IGF-1.**
Q Fu, RA McKnight, LA Joss-Moore, X Yu and RH Lane, Salt Lake City, UT. *University of Utah* Abstract 61
- 10:45 **THIN FILAMENT LENGTH REGULATION IN PATIENTS WITH NEMALINE MYOPATHY.**
JE Popper, Tucson, AZ. *University of Arizona* Abstract 62
- 11:00 **A DE NOVO DELETION OF CHROMOSOME 2Q32-Q33.1 INCLUDING THE SATB2 GENE CONFIRMS THE INVOLVEMENT OF SATB2 IN OROFACIAL CLEFTING AND NARROWS THE CRITICAL REGION FOR 2Q32-Q33.1 DELETION SYNDROME.**
K Bianco, A Zanko and A Slavotinek, San Francisco, CA. *University of California, San Francisco* Abstract 63
- 11:15 **A NOVEL MICRODELETION AT 4Q28.3 CAUSING MICROtia AND CRANIOFACIAL ANOMALIES.**
SP Shankar, P Cotter and A Slavotinek, San Francisco, CA. *University of California, San Francisco (WAFMR)* Abstract 64
- 11:30 **FUNCTIONAL IN VITRO CHARACTERIZATION OF MEK MUTATIONS IN CFC SYNDROME: IMPLICATION FOR THERAPEUTIC OPTIONS.**
KA Rauhen, AL Estep and O Tetsu, San Francisco, CA. *University of California, San Francisco* Abstract 65
- 11:45 **DEMONSTRATION OF PRESUMED LINKAGE DISEQUILIBRIUM IN THE POSTERIOR POLYMORPHOUS CORNEAL DYSTROPHY 1 CANDIDATE GENE REGION.**
MR Damani, AJ Aldave, V Yellore and S Rayner, Los Angeles, CA. *The Jules Stein Eye Institute, David Geffen School of Medicine at UCLA (WSMRF)* Abstract 66

Health Care Research I

Sunset Center, Promenade Lobby

Keith Norris and Arleen F. Brown, Presiding

- 8:30 **THE JAMKHEd MODEL: INCOME GENERATION PROGRAMS, HEALTH POLICIES, AND SUSTAINABILITY.**
R Parikh, P Antonello, S Arole and P Thakkar, Brooklyn, NY and Jamkhed, India. *CUNY Brooklyn College* Abstract 67
- 8:45 **DEFINING COMMUNITY IN A SOCIALLY ISOLATED, URBAN, UNDERSERVED LATINO POPULATION: CHALLENGES AND OPPORTUNITIES OF DESIGNING COMMUNITY INTERVENTIONS IN MARYSVILLE, WA.**
CJ Arredondo, Seattle, WA. *University of Washington (WSMRF)* Abstract 68
- 9:00 **DOES MEDICARE PART D OUTREACH TO ASIAN AMERICANS WORK?**
P Luu and F Chen, Seattle, WA. *University of Washington School of Medicine (WSMRF)* Abstract 69
- 9:15 **PATIENT-CENTERED SATISFACTION MEASURES IN A LAY PATIENT NAVIGATOR PROGRAM FOR UNDERSERVED POPULATIONS IN ONCOLOGY.**
N Hama, M Steinberg, H Knapp, D Khan, D Huang, O Streeter and A Freemont, Los Angeles, Ingelwood, and Santa Monica, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 70

- 9:30 **NURSE PRACTITIONER SERVICES AT THE FOUNDRY: THREE-YEAR STUDY OF IMPACT ON HEALTH CARE COSTS.**
LW Raymond, D Chenoweth, NL Martin and J Pankowski, Chapel Hill, New Bern, and Charlotte, NC. Abstract 71
University of North Carolina, Chapel Hill
- 9:45 **HOW TRAINEES WOULD DISCLOSE HARMFUL MEDICAL ERRORS.**
AA White, TH Gallagher and EB Larson, Seattle, WA. University of Washington (WSCI Travel Award Winner) Abstract 72

10:00 – 10:15 Intermission

- 10:15 **State-of-the-Art Speaker**
NEIGHBORHOOD CHARACTERISTICS AND THE HEALTH OF ADULTS WITH CHRONIC CONDITIONS.
Arleen Brown, UCLA Medical Center
- 10:45 **NEW APPROACHES TO UNRAVELING THE RELATIONSHIP BETWEEN LATINA ACCULTURATION AND CONTRACEPTIVE USE.**
TL Barcellos, MT Stoecklin-Marois, TE Hennessy-Burt and MB Schenker, Sacramento, CA. University of California, Davis Abstract 73
- 11:00 **BREAST AND CERVICAL CANCER EDUCATION AMONG LATINAS IN WALLA WALLA, WA.**
M Cline, Seattle, WA. University of Washington School of Medicine Abstract 74
- 11:15 **THE EFFECT OF ETHNICITY ON LONG BONE FRACTURE ANALGESIA IN NATIVE AMERICAN PATIENTS AT REGIONAL CHILDREN'S HOSPITAL.**
AM Greening, K Gnauck and B Skipper, Albuquerque, NM. University of New Mexico School of Medicine Abstract 75
- 11:30 **FAMILY STRUCTURE AND THE TREATMENT OF CHILDHOOD ASTHMA.**
AY Chen and J Escarce, Los Angeles, CA. Children's Hospital Los Angeles (WSPR) Abstract 76
- 11:45 **PNEUMONIA: PATIENT QUALITY OF CARE AT UCLA MEDICAL CENTER.**
J Wang and J Napolitano, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 77

Hematology and Oncology I

Sunset Center, Studio 105

Robert Richard, Presiding

- 8:30 **ROLE OF RAL GTPASES IN RAS-MEDIATED CANCER METATSTASIS.**
JL Zhao, M Oberst and K Kelly, Los Angeles, CA and Bethesda, MD. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 78
- 8:45 **EXPRESSION AND FUNCTION OF ERYTHROPOIETIN AND VASCULAR ENDOTHELIAL GROWTH FACTOR INCREASED IN OXYGEN INDUCED RETINOPATHY.**
S Patel, H Chen, N London, Z Tong, Z Yang, D Li and K Zhang, Salt Lake City, UT. University of Utah (WSPR David W. Smith Pediatric Trainee Research Award Winner) (WSPR) Abstract 79
- 9:00 **SMALL MOLECULE THERAPY: OVERCOMING IMATINIB RESISTANCE IN GASTROINTESTINAL STROMAL TUMORS.**
D Kurtzman and D Mahadevan, Tucson, AZ. University of Arizona (WAFMR) Abstract 80
- 9:15 **IDENTIFICATION OF THE PROTEIN BINDING PARTNERS OF THE H37 TUMOR SUPPRESSOR LOCATED AT THE MOST FREQUENTLY DELETED CHROMOSOMAL REGION IN LUNG CANCER.**
I Giuroiu, C Washington, B Boctor, I Delgado, A Koegel, J Oh and D Slamon, Los Angeles and San Diego, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 81
- 9:30 **CANCER STEM CELL MARKER EXPRESSION IN HUMAN MELANOMA CELL LINES.**
M Chiou, R Koya, B Comin-Anduix, S Mok, J Jalil, H Sazegar and A Ribas, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 82
- 9:45 **EVALUATING ANTI-HLA FLUORESCENCE IN QUANTIFYING HUMAN TUMOR BURDEN IN A NUDE MOUSE MODEL.**
JM Moretz, S Baldwin, Y Amaar and M Reeves, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 83

10:00 – 10:15 Intermission

- 10:15 INDUCTION OF CXCR4 EXPRESSION BY NF-KappaB IN PROSTATE CANCER CELLS IS INHIBITED BY POMEGRANATE UROLITHIN A.**
D Pandya, A Wong, K Hong and D Heber, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 84
- 10:30 EVALUATION OF CLINICAL PREDICTORS AND OUTCOMES IN ABANDONED VERSUS COMPLETED RADICAL HYSTERECTOMY FOR CERVIX CANCER.**
EE Seifert and H Gray, Seattle, WA. *University of Washington* Abstract 85
- 10:45 DEFINING THE INCIDENCE AND CHARACTERISTICS OF PICC-INDUCED UPPER EXTREMITY DEEP VEIN THROMBOSIS IN 6,513 UCLA PATIENTS.**
JD Grant, EW Lee and ST Kee, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 86
- 11:00 LONGITUDINAL VOLUME ANALYSIS FROM COMPUTED TOMOGRAPHY: REPRODUCIBILITY USING THE ADRENAL GLANDS AS SURROGATE TUMORS.**
ND Prionas, M Gillen and JM Boone, Sacramento, CA. *University of California, Davis (WSMRF)* Abstract 87
- 11:15 A CASE-CONTROL PROTEOMIC BREAST CANCER STUDY IN BLACK WOMEN.**
AS Fillmore, P Tadi-Uppala and L Beeson, Loma Linda, CA. *Loma Linda University* Abstract 88
- 11:30 PRECORE MUTANT HEPATITIS B REACTIVATION FOLLOWING R-CHOP CHEMOTHERAPY: A CASE REPORT.**
BA Jonas and RW Carlson, Stanford, CA. *Stanford University (WSMRF)* Abstract 89
- 11:45 PHYSICIAN COMMUNICATION SKILLS IN DISCUSSING TRANSITIONS TO END-OF-LIFE CARE: BIOMEDICAL VS. MEANING-MAKING PARADIGMS.**
K Michaelsen and A Back, Seattle, WA. *University of Washington School of Medicine* Abstract 90

METABOLISM I***Church of the Wayfarer, Carlson Hall****Theodore Friedman, Presiding*

- 8:30 EXENATIDE SENSITIZES INSULIN-MEDIATED GLUCOSE UPTAKE AT SKELETAL MUSCLE AND LIVER.**
D Zheng, V Ionut, V Mooradian, D Stefanovski and R Bergman, Los Angeles, CA. *University of Southern California* Abstract 91
- 8:45 PARTIAL KNOCK-DOWN OF P85 α IN VIVO WITH ANTI-SENSE OLIGONUCLEOTIDE IMPROVES INSULIN SENSITIVITY IN OB/OB AND CONTROL MICE.**
M Moriarty, C McCurdy, M Rahman, J Friedman and B Draznin, Aurora and Denver, CO. *University of Colorado Health Sciences Center (WAFMR) (Carmel Scholar Award Winner)* Abstract 92
- 9:00 VISFATIN: A GENETIC DETERMINANT OF INSULIN SENSITIVITY.**
MO Goodarzi, YI Chen, J Cui, X Guo, K Taylor, WA Hsueh and JI Rotter, Los Angeles, CA. *Cedars-Sinai Medical Center (WAFMR Outstanding Young Investigator Award Winner) (WAFMR)* Abstract 93
- 9:15 TOLL LIKE RECEPTORS 2 AND 4 EXPRESSION UNDER HYPERGLYCEMIA: FURTHER EVIDENCE OF INFLAMMATION IN DIABETES.**
RK Dasu, S Devaraj and I Jialal, Sacramento, CA. *University of California, Davis (Carmel Scholar Award Winner)* Abstract 94
- 9:30 LACK OF AMYLOIDOGENICITY OF PIG ISLET AMYLOID POLYPEPTIDE MAY CONTRIBUTE TO IMPROVED FUNCTION AND SURVIVAL OF PIG ISLET XENOGRAFTS.**
K Potter, A Abedini, S Butterworth, M Driscoll, P Marek, G Korbitt, P Fraser, CB Verchere and D Raleigh, Vancouver, BC, Canada; Stony Brook, NY; Edmonton, AB, Canada and Toronto, ON, Canada. *University of British Columbia (WSMRF)* Abstract 95
- 9:45 ACCELERATED LOSS OF BETA CELL FUNCTION IN TYPE 2 DIABETES IS PARTIALLY REVERSIBLE IN KETOSIS-PRONE, NOT KETOSIS-RESISTANT DM-2.**
A Mouzayan, K Djekic, C Huang, A Stammreich and E Ipp, Los Angeles, CA. *Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center (Carmel Scholar Award Winner)* Abstract 96

10:00 – 10:15 Intermission

- 10:15 HIGH-SENSITIVITY C-REACTIVE PROTEIN LEVELS AND FASTING OR 2-HOUR POST LOAD GLUCOSE LEVELS IN SUB-OPTIMALLY TREATED TYPE 2 DIABETES.**
W Gu, R Mallios, J Bettinger, P Deedwania, J Huang and M Peterson, Fresno, CA. VA CCHCS (WAFMR) Abstract 97
- 10:30 THE ASSOCIATION OF HBA1C, BMI, AGE, AND PULSE PRESSURE WITH POST PRANDIAL HYPERGLYCEMIA IN TYPE 2 DIABETES.**
W Gu, R Mallios, J Twitchell, A Cohen, P Goebel, M Peterson and J Huang, Fresno, CA. VA CCHCS (WAFMR) Abstract 98
- 10:45 GENDER DIFFERENCES IN INSULIN SENSITIVITY AMONG YOUTH WITH TYPE 1 DIABETES MELLITUS (DM).**
KJ Nadeau, J Reusch and J Regensteiner, Aurora and Denver, CO. University of Colorado Health Sciences Center (WAFMR) Abstract 99
- 11:00 IMPROVED GLYCEMIC CONTROL WITH REAL LIFE USE OF CONTINUOUS HOME MONITORING OF GLUCOSE (CHMG).**
W Kelly, S Garg and S Ellis, Denver and Aurora, CO. University of Colorado School of Medicine (WSMRF) Abstract 100
- 11:15 EFFECT OF CARELINK, AN INTERNET-BASED INSULIN PUMP MONITORING SYSTEM, ON GLYCEMIC CONTROL IN RURAL AND URBAN CHILDREN WITH TYPE 1 DIABETES MELLITUS.**
E Corriveau, P Durso, E Kaufman, B Skipper, L Laskaratos and K Heintzman, Albuquerque, NM. University of New Mexico School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 101

NEONATAL – PULMONARY

All Saints Church, Sanctuary

Anthony Philipps and John Kinsella, Presiding

- 8:30 GROWTH RESTRICTION DYSREGULATES P53-DEPENDENT REGULATION OF CELLULAR PROLIFERATION AND ANGIOGENESIS.**
EA O'Brien, C Jiang, X Yu, Z Wang, C Callaway, R McKnight, K Albertine and R Lane, Salt Lake City, UT. University of Utah Abstract 102
- 8:45 INTRAUTERINE GROWTH RESTRICTION ALTERS FETAL LUNG PROGRAMMING BY AFFECTING ESSENTIAL EPITHELIAL-MESENCHYMAL SIGNALING PATHWAYS.**
LM Cerny, A Karadag, R Sakurai, B John, G Han, M Desai, MG Ross, JS Torday and VK Rehan, Torrance and Los Angeles, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center (Carmel Scholar Award Winner) Abstract 103
- 9:00 COMPARISON OF NITRITE METABOLISM IN FETAL AND ADULT BLOOD.**
J Lo, S Verma, M Joshi, D Kim-Shapiro, G Power and A Blood, Loma Linda, CA and Salem, NC. Loma Linda University (WSPR Subspecialty Award Winner) Abstract 104
- 9:15 NF- κ B REGULATES ALVEOLAR FORMATION DURING MOUSE LUNG MORPHOGENESIS.**
VA Londhe, JM Jeng, HT Nguyen, C Li and P Minoo, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR) Abstract 105
- 9:30 INTRAUTERINE GROWTH RESTRICTION AFFECTS POSTNATAL RETINOIC ACID SIGNALING IN THE RAT LUNG.**
TR Carroll, DB Metcalfe, R McKnight, X Yu, M Dahl, C Callaway, R Lane and K Albertine, Salt Lake City, UT. University of Utah (Carmel Scholar Award Winner) Abstract 106

9:45 – 10:00 Intermission

- 10:00 *State-of-the-Art Speaker*
INHALED NITRIC OXIDE IN THE PREMATURE NEWBORN.
John P. Kinsella, *University of Colorado Health Sciences Center*
- 10:30 **HYPEROXIA AUGMENTS INCREASED EXPRESSION OF INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-3 IN THE DEVELOPING LUNG OF GROWTH-RESTRICTED RATS.**
RF Langen, CW Callaway, MA Hale, RA McKnight, X Yu and RH Lane, Salt Lake City, UT. *University of Utah (WSPR)* Abstract 107
- 10:45 **HYPEROXIA-INDUCED NEONATAL RAT LUNG INJURY INVOLVES ACTIVATION OF WNT AND TRANSFORMING GROWTH FACTOR-BETA SIGNALING: PROTECTION BY ROSIGLITAZONE.**
C Dasgupta, Y Wang, R Sakurai, JS Torday and VK Rehan, Torrance, CA. *LABiomed at Harbor UCLA (Carmel Scholar Award Winner)* Abstract 108
- 11:00 **NITRIC OXIDE (NO)-INDUCED RELAXATION IN PULMONARY VESSELS OF EWES EXPOSED TO CHRONIC HIGH ALTITUDE HYPOXIA IS THROUGH A cGMP-INDEPENDENT, NA⁺-K⁺-ATPASE-MEDIATED MECHANISM.**
EE Chai, S Negash, Y Gao and L Longo, Torrance and Loma Linda, CA. *Harbor-UCLA Medical Center (Carmel Scholar Award Winner)* Abstract 109
- 11:15 **EFFECTS OF INDOMETHACIN AND IBUPROFEN ON LUNG MORPHOMETRY AND BIOMARKERS FOR OXIDATIVE STRESS, DNA DAMAGE AND PPHN IN NEONATAL RATS.**
KM Kuniyoshi, KD Beharry, RS Brock, B Gebrekristos, P Abad-Santos, M Abad-Santos, D Chong and HD Modanlou, Irvine and Long Beach, CA. *University of California, Irvine (Carmel Scholar Award Winner)* Abstract 110
- 11:30 **HISTONE ACETYLATION IN THE LUNG IS AFFECTED BY VENTILATION MODE IN PRETERM LAMBS.**
K Albertine, S Amundsen, L Dong, D Metcalfe, J Alvord, M Dahl, R McKnight, D Null, B Yoder and R Lane, Salt Lake City, UT. *University of Utah (WSPR)* Abstract 111
- 11:45 **POSITIVE DISTENDING PRESSURE GENERATED BY HIGH FLOW NASAL CANNULA AS COMPARED TO NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE.**
A Lampland, B Plumm, C Worwa, P Meyers and MC Mammel, St Paul, MN. *Children's Hospitals and Clinics of Minnesota – St. Paul (WAFMR)* Abstract 112
- 12:00 **CARCINOEMBRYONIC CELL ADHESION MOLECULE 6: A NEW HUMAN SURFACANT ASSOCIATED PROTEIN.**
CJ Chapin, LW Gonzalez, N Bailey, JD Merrill, RA Ballard and PD Ballard, San Francisco, CA; Philadelphia PA; and Oakland, CA. *University of California, San Francisco* Abstract 112a

NEONATOLOGY – GENERAL I***All Saints Church, Auditorium***

Erika Fernandez and Roberta L. Keller, Presiding

- 8:30 **PRENATAL METHAMPHETAMINE (MA) EXPOSURE AND GROWTH AT 12, 24, AND 36 MONTHS: PRELIMINARY RESULTS FROM THE INFANT DEVELOPMENT, ENVIRONMENT, AND LIFESTYLE (IDEAL) STUDY.**
Z Tejani, LL LaGasse, C Derauf, E Newman, R Shah, L Smith, A Arria, M Huestis, S DellaGrotta, J Liu and BM Lester, Torrance, CA and Providence, RI. *Harbor-UCLA Medical Center (WSMRF)* Abstract 113
- 8:45 **PRENATAL METHAMPHETAMINE (MA) EXPOSURE AND MOTOR DEVELOPMENT AT 12 AND 36 MONTHS: PRELIMINARY RESULTS OF THE INFANT DEVELOPMENT, ENVIRONMENT, AND LIFESTYLE (IDEAL) STUDY.**
L Sheng, L Smith, LL LaGasse, C Derauf, E Newman, R Shah, A Arria, M Huestis, S DellaGrotta, J Liu and BM Lester, Torrance, CA and Providence, RI. *Harbor-UCLA Medical Center (Carmel Scholar Award Winner)* Abstract 114
- 9:00 **HYDROGRAPHIC MAGNETIC RESONANCE IMAGING OF THE FETAL EYE.**
L Paquette and A Panigrahy, Los Angeles, CA. *Children's Hospital Los Angeles (WSPR)* Abstract 115

- 9:15 **EFFECTS OF EARLY VERSUS LATE IBUPROFEN AND INDOMETHACIN ON PULMONARY PROSTANOIDS IN NEONATAL RATS.**
KM Kuniyoshi, KD Beharry, RS Brock, B Gebrekristos, M Abad-Santos, K Kinney, C Cruz and HD Modanlou, Irvine and Long Beach, CA. University of California, Irvine Abstract 116
- 9:30 **ECONOMIC EVALUATION OF INHALED NITRIC OXIDE IN VENTILATED PRETERM INFANTS.**
JA Zupancic, A Hibbs, L Palermo, R Martin, W Truog, A Cnaan, D Black, P Ballard, J Merrill, X Luan, S Wadlinger, R Ballard and The NO CLD Trial Group, Boston, MA; Cleveland, OH; San Francisco, CA; Kansas City, MO; Philadelphia, PA and Oakland, CA. Harvard Medical School (Mead Johnson Travel Award Winner) Abstract 117
- 9:45 **TIMING OF PRENATAL STEROIDS AND ITS EFFECT ON RESPIRATORY DISTRESS SYNDROME.**
J Pietz, A Lally and B Keaney, Cleveland, OH. Fairview Hospital (WSPR) Abstract 118

10:00 – 10:15 Intermission

- 10:15 **State-of-the-Art Speaker**
PRENATAL INFLAMMATION, POSTNATAL CONSEQUENCES.
Kristi Watterberg, University of New Mexico School of Medicine
- 10:45 **A RANDOMIZED, MASKED STUDY OF WEEKLY ERYTHROPOIETIN DOSING IN NEONATES.**
R Beirer, M Roohi and RK Ohls, Albuquerque, NM. University of New Mexico (WSPR) Abstract 119
- 11:00 **INOSITOL AND MANNOSE UTILIZATION IN LATE PRETERM NEWBORNS.**
LD Brown, A Cheung, JF Harwood and FC Battaglia, Denver, CO. University of Colorado School of Medicine (WSPR) Abstract 120
- 11:15 **EARLY POSTNATAL BODY FAT DEPOSITION IN INTRAUTERINE GROWTH RESTRICTED (IUGR) TERM INFANTS.**
A Tumsatan, H Slater, K Gulliver, R Wilkinson, M Varner, J Byrne and L Moyer-Mileur, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) (WSMRF) Abstract 121
- 11:30 **USE OF ECG FOR INITIAL NEWBORN HEART RATE ASSESSMENT: A PILOT/FEASIBILITY STUDY.**
JJ Petrozzino, GP Heldt, W Rich and NN Finer, San Diego, CA. University of California, San Diego (Carmel Scholar Award Winner) Abstract 122
- 11:45 **LENGTH OF UMBILICAL CORD AND FETAL BONE MINERALIZATION.**
GM Chan and D Wright, Salt Lake City, UT. University of Utah (WSPR) Abstract 123

NEUROSCIENCE I

Sunset Center, Conductor's Room

Marie Chesselet and Edward Wagner, Presiding

- 8:30 **HISTOLOGICAL ANALYSIS OF POST MORTEM ALZHEIMER'S DISEASE AND CEREBRAL AMYLOID ANGIOPATHIC BRAIN AT POINT OF SMALL HYPOINTENSITIES IN SUSCEPTIBILITY WIEGHTED MR IMAGES.**
M Schrag, G McAuley, B Holshouser, H Vinters and W Kirsch, Loma Linda and Los Angeles, CA. Loma Linda University (WAFMR/WSCI Subspecialty Award Winner) Abstract 124
- 8:45 **TISSUE LOSS IN PATIENTS WITH MILD COGNITIVE IMPAIRMENT AND ALZHEIMER'S DISEASE: A LONGITUDINAL VOXEL-BASED MORPHOMETRY STUDY.**
M Wagner, B Bartnik Olson, W Britt and W Kirsch, Loma Linda, CA. Loma Linda University Abstract 125
- 9:00 **EFFECT OF D3 STEREOISOMER OF A CARBOXY DERIVATIVE OF BUCKMINSTERFULLENERENE ON ACTION POTENTIALS OF GIANT AXONS OF THE CRAYFISH VENTRAL NERVE CORD.**
NA Jabre, YW Ruan, L Dugan and RN Friedman, Indianapolis, IN; Cincinnati, OH and San Diego, CA. Xavier University Abstract 126

- 9:15 **ENHANCEMENT OF EXCITATORY JUNCTIONAL POTENTIALS BY HOMOQUINOLINIC ACID ON NMDA GLUTAMATE RECEPTORS.**
TD Vogel, DW Stockwell, NA Jabre and RN Friedman, Indianapolis, IN and Cincinnati, OH. Indiana University School of Medicine Abstract 127
- 9:30 **DIFFERENTIAL ACTIVATION OF CASPASE-3 IN HIPPOCAMPAL GLIAL CELLS BY ASSEMBLY FORMS OF A β 1-42.**
G Cheeney and P St. John, Tucson, AZ. University of Arizona (WAFMR) Abstract 128
- 9:45 **FUNCTIONAL EFFECTS OF CHLOROTOXIN ON HUMAN GLIOMA CELLS IN VITRO.**
JP Sand and RC Rostomily, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 129

10:00 – 10:15 Intermission

- 10:15 **THE ROLE OF PROOPIOMELANOCORTIN NEURONS IN THE HYPERPHAGIC EFFECT OF ORPHANIN FQ.**
B Farhang, K Lutfy and EJ Wagner, Pomona, CA. Western University of Health Sciences Abstract 130
- 10:30 **SEX DIFFERENCES IN THE APPETITE-MODULATING EFFECTS OF CANNABINOIDS UNDER DIFFERENT MOTIVATIONAL CONDITIONS.**
SV Diaz and EJ Wagner, Pomona, CA. Western University of Health Sciences Abstract 131
- 10:45 **ESTRADIOL ATTENUATES OXYTOCIN-INDUCED CALCIUM SIGNALING IN HYPOTHALAMIC ASTROCYTES.**
OR Hariri, J Kuo and PE Micevych, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR) Abstract 132
- 11:00 **CHARACTERIZATION OF BRAIN DAMAGE AND TAUOPATHIES IN A MOUSE MODEL OF HYPOXIA-ISCHEMIA.**
NH Nguyen, G Liao and X Bi, Pomona, CA. Western University of Health Sciences (WSMRF) Abstract 133
- 11:15 **INHIBITION OF CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE II (CAMKII) PROTECTS AGAINST HYPOGLYCEMIA-INDUCED NEURONAL CELL DEATH.**
RJ McMurtrey, R Vest, L McMurtrey and KU Bayer, Denver, CO. University of Colorado Health Sciences Center (WSMRF) Abstract 134
- 11:30 **UTILIZATION OF A RANDOM PEPTIDE LIBRARY TO SCREEN RECOMBINANT ANTIBODIES GENERATED FROM MULTIPLE SCLEROSIS CEREBROSPINAL FLUID.**
L Schambers and X Yu, Denver, CO. University of Colorado Health Sciences Center (WSMRF) Abstract 135
- 11:45 **THE EFFECTS OF EXPERIMENTALLY-INDUCED CONDUCTIVE HEARING LOSS ON SPECTRAL AND TEMPORAL ASPECTS OF SOUND TRANSMISSION THROUGH THE EAR.**
JE Lupo, K Koka and DJ Tollin, Aurora, CO. University of Colorado Health Sciences Center Abstract 136

PULMONARY AND CRITICAL CARE I

Carmel Women's Club

Michel Boivin and Pope L. Moseley, Presiding

- 8:30 **SPIROMETRIC CHANGES IN PATIENTS UNDERGOING HYPERBARIC OXYGEN THERAPY.**
TM Yu, C Poon, T Lam, J Park, M Ward, D Sample, P Moore, P Gold and T Lo, Loma Linda, CA. Loma Linda University Medical Center Abstract 137
- 8:45 **PNEUMONITIS IN LIVER TRANSPLANT RECIPIENTS RECEIVING SIROLIMUS.**
K Zeschin and JF Trotter, Denver, CO. University of Colorado Health Sciences Center Abstract 138
- 9:00 **PROGRESSION OF EARLY AIRWAY EFFECTS OF ½ MUSTARD EXPOSURE DOCUMENTED BY OPTICAL COHERENCE TOMOGRAPHY.**
SB Mahon, KA Kreuter, D Mukai, S Guo, Z Chen and M Brenner, Irvine, CA. University of California Irvine Abstract 139
- 9:15 **EFFECTIVENESS OF MEDICAL SIMULATION ON KNOWLEDGE IN SEPTIC SHOCK MANAGEMENT DURING PRE-CLINICAL MEDICAL TRAINING.**
C Van Ginkel, D Lee, L Daniel-Underwood, M Wong, S Dizaiy, EK Fry-Bowers, TK Denmark and HB Nguyen, Loma Linda, CA. Loma Linda University Abstract 140
- 9:30 **DEFICIENCY OF MAP KINASE PHOSPHATASE-1, A CRITICAL INFLAMMATORY MODULATOR, INDUCES DEVELOPMENT OF PULMONARY HYPERTENSION IN MICE.**
KM Shields, J Harral, M Oka, N Homma, N Burns, J West and M Das, Denver, CO. University of Colorado Health Sciences Center (WSMRF) Abstract 141

- 9:45 **POLYMORPHISMS IN THE ACUTE LUNG INJURY CANDIDATE GENE PRE-B-CELL COLONY ENHANCING FACTOR ARE ASSOCIATED WITH HUMAN NEUTROPHIL RESPONSES.**
JB Stansberry, J Nick, K Poch, E Abraham, M Tripp-Addison, D Calabrese and JP Maloney, Denver, CO. St. Joseph Hospital (WSCI Travel Award Winner) Abstract 142

10:00 – 10:15 Intermission

- 10:15 *State-of-the-Art Speaker*
ULTRASOUND USE BY INTENSIVISTS.
Michel Boivin, University of New Mexico
- 10:45 **DIFFUSE OPTICAL SPECTROSCOPY (DOS) MEASURED TISSUE SCATTERING IN RABBIT HEMMORHAGE MODEL.**
R Goldberg, R Patino, J Lee, S Mahon, K Kreuter, D Mukai, J Kim, B Tromberg and M Brenner, Orange and Irvine, CA. University of California, Irvine (CTS) (Carmel Scholar Award Winner) Abstract 143
- 11:00 **THE MODULATION OF PROINFLAMMATORY CHEMOKINE EXPRESSION IN HUMAN AIRWAY EPITHELIAL CELLS BY SIMVASTATIN.**
AA Zeki, P Thai and R Wu, Sacramento and Davis, CA. University of California, Davis Medical Center (CTS) (Carmel Scholar Award Winner) Abstract 144
- 11:15 **PULMONARY CHARACTERISTICS OF HEPATOPULMONARY SYNDROME AT A HIGH ALTITUDE PULMONARY LABORATORY.**
H Gallo, RO Crapo and RL Jensen, Salt Lake City, UT. LDS Hospital Abstract 145

SURGERY I

Sunset Center, Green Room

Kishore Mulpuri and Darin Davidson, Presiding

- 8:30 **FUNCTIONAL EVALUATION OF A NOVEL ACELLULAR PERIPHERAL NERVE GRAFT.**
S Lundy, S Chen and C Schmidt, Seattle, WA and Austin, TX. University of Washington Abstract 146
- 8:45 **DETERMINATION OF THE YIELD OF ADIPOSE DERIVED STEM CELLS FROM DIFFERENT LIPOSUCTION METHODS.**
J Tan, J Shores, J Thompson, J Lynes and S Gupta, Loma Linda and San Bernardino, CA. Loma Linda University Medical Center (WSMRF) Abstract 147
- 9:00 **THE EFFECT OF HYPERBARIC OXYGEN ON INFLAMMATORY MEDIATOR PRODUCTION IN ISCHEMIA-REPERFUSION INJURY.**
DA Scott, LL Stephenson, WZ Wang, KT Khiabani and WA Zamboni, Reno and Las Vegas, NV. University of Nevada School of Medicine Abstract 148
- 9:15 **ELECTRICAL GUIDANCE OF STEM CELL MIGRATION AND DIFFERENTIATION.**
A Kopecky, R Sivamani and R Isseroff, Davis, CA. University of California, Davis School of Medicine (WSMRF) Abstract 149
- 9:30 **BIOMECHANICAL CHARACTERISTICS OF 9 ARTHROSCOPIC KNOTS.**
DJ Patton, KA Dahl, MD Wongworawat and Q Dai, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 150
- 9:45 **KNOCKDOWN OF THE PROSTAGLANDIN TRANSPORTER IN SMOOTH MUSCLE CELLS ENHANCED EXPRESSION OF INFLAMMATORY CYTOKINES.**
EP Cheng, RD Kenagy and AW Clowes, Seattle, WA. University of Washington School of Medicine Abstract 151

10:00 – 10:15 Intermission

- 10:15 **POST-LASIK INTRAOCULAR LENS POWER ADJUSTMENT NOMOGRAM.**
JW Diehl and KM Miller, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 152
- 10:30 **REPAIR OF THE MEDIAL ORBITAL WALL FRACTURE USING A RETROCARUNCULAR APPROACH: A CLINICAL AND ANATOMIC STUDY.**
S Kempton, M Martin and D Cho, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 153

- 10:45 **INTERCOSTAL VESSELS ARE AT RISK FOR INJURY DURING SUPRACOSTAL PERCUTANEOUS NEPHROSTOLITHOTOMY.**
K Lim, M McAllister, R Torrey, B Barker, J Chenoweth and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 154
- 11:00 **INCIDENCE AND PREVENTION OF IATROGENIC URETHRAL INJURIES.**
C Kashfeji, K Messer, R Barden, C Sexton and J Parsons, San Diego, CA. University of California, San Diego Medical Center (WSCI Travel Award Winner) (WSMRF) Abstract 155
- 11:15 **PRESURGICAL LANGUAGE FMRI: A COMPARISON BETWEEN TASKS AND METHODS OF ANALYSIS.**
AF Alexander-Bloch and SJ Price, Los Angeles, CA and Cambridge, United Kingdom. David Geffen School of Medicine at UCLA (WSMRF) Abstract 156
- 11:30 *State-of-the-Art Speaker*
THE EVIDENCE BASED MEDICINE FRAMEWORK: A PRIMER FOR RESEARCH SUCCESS.
Kishore Mulpuri and Darin Davidson, British Columbia's Children's Hospital, University of British Columbia

STUDENT SCIENTIFIC SESSION I

PEDIATRIC AND ADOLESCENT MEDICINE

WESTERN STUDENT MEDICAL RESEARCH FORUM

Monterey Beach Hotel – Pt. Cabrillo

8:30 AM – 11:30 AM

Friday, February 1, 2008

- 8:30 **THE BAKULI BOYS' BRIGADE: EXPANDING HUMANITARIAN INITIATIVES WITHIN A CANADIAN GLOBAL HEALTH PROGRAM.**
N Jhamb, W Cannon, H Budden, A Macnab, C Ashton, N Blackie, Y Parpia, J Pisarek, J Moxley and S Toosi, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 157
- 8:45 **PALS AT UNIVERSITY OF CALIFORNIA, IRVINE SCHOOL OF MEDICINE.**
EM Alvarez, K Trangsrud, S Chung, E Andrade-Kitching, P Murata and F Waffarn, Irvine, CA. University of California, Irvine School of Medicine (WSMRF) Abstract 158
- 9:00 **INFLUENZA VACCINE IN CHILDREN: BARRIERS IN TRANSLATION.**
PM Pascual and B Afghani, Irvine, CA and Orange, CA. University of California, Irvine Abstract 159
- 9:15 **COMPARISON OF SELF-REPORT AND PARENT PROXY-REPORT OF FUNCTION AND QUALITY OF LIFE FOR CHILDREN WITH BELOW-THE-ELBOW DEFICIENCY.**
LC Sheffler, C Hanley, A Bagley, F Molitor and MA James, Sacramento, CA. University of California, Davis (WSMRF) Abstract 160
- 9:30 **SMOKING EDUCATION & CESSATION IN ANAKTUVUK PASS, ALASKA.**
CR Baldwin, Seattle, WA. University of Washington Abstract 161
- 9:45 **CHILDHOOD OBESITY IN METLAKATLA, ALASKA.**
JH Rinker, Seattle, WA. University of Washington (WSMRF) Abstract 162

10:00 – 10:15 Intermission

- 10:15 **PROMOTING NUTRITION AMONG LOW-INCOME RURAL FAMILIES.**
M Hoane, Seattle, WA. University of Washington Abstract 163
- 10:30 **XYLITOL GUM USE FOR THE PREVENTION OF EARLY CHILDHOOD CARIES ON THE BLACKFEET RESERVATION, MT.**
D Tarby, Seattle, WA. University of Washington (WSMRF) Abstract 164

- 10:45 **COMMUNITY EDUCATION - HELMET USE DURING NON-MOTORIZED, WHEELED SPORTS.**
K Sundsted, Seattle, WA. University of Washington Abstract 165
- 11:00 **HUMAN PAPILOMAVIRUS AND HPV VACCINE AWARENESS AND EDUCATION IN TORRINGTON, WYOMING.**
CJ Pederson, Seattle, WA. University of Washington (WSMRF) Abstract 166
- 11:15 **COMMUNITY EDUCATION AND PREVENTION OF ANAPHYLAXIS IN MCCALL, IDAHO.**
KL De Niro, Seattle, WA. University of Washington (WSMRF) Abstract 167

STUDENT SCIENTIFIC SESSION II

AGING, BEHAVIOR AND DEVELOPMENT

WESTERN STUDENT MEDICAL RESEARCH FORUM

Monterey Beach Hotel – Pt. Alones

8:30 AM – 12:00 PM

Friday, February 1, 2008

- 8:30 **EFFECTS OF AGE ON OPTIC DISC AND RETINAL NERVE FIBER LAYER MEASUREMENTS.**
VL Lung, LM Alencar, RN Weinreb, LM Zangwill and FA Medeiros, Los Angeles and San Diego, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 168
- 8:45 **GLENOHUMERAL MUSCLE ARCHITECTURE DIFFERS WITH AGE.**
G Altobelli, C Eng, D Gokhin, A Taylor, R Lieber and S Ward, La Jolla, CA and Durham, NC. University of California, San Diego (WAFMR/WSCI Subspecialty Award Winner) Abstract 169
- 9:00 **DEPRESSED MOTHER'S PERCEPTIONS OF THEIR INFANTS' MASTERY MOTIVATION.**
T Sparks, S Hunter and T Backman, Denver, CO. University of Colorado Health Sciences Center Abstract 170
- 9:15 **STORY STEM RESPONSES IN PRESCHOOLERS WITH MOOD DISTURBANCES OR ATTENTION-DEFICIT/HYPERACTIVITY DISORDER.**
AK Hutchison, C Beresford and R Ross, Denver, CO. University of Colorado Health Sciences Center Abstract 171
- 9:30 **COGNITIVE-BEHAVIORAL GROUP THERAPY FOR ADOLESCENTS WITH AUTISM SPECTRUM DISORDERS AND ANXIETY—FINDINGS OF A PILOT STUDY.**
L Zapapas, A Blakeley-Smith and J Reaven, Denver, CO. University of Colorado Health Sciences Center Abstract 172
- 9:45 **INCREASING PATIENT INVOLVEMENT IN HEALTHCARE IN LEAVENWORTH, WASHINGTON.**
DA Williams, Seattle, WA and Leavenworth, WA. University of Washington Abstract 173

10:00 – 10:15 Intermission

- 10:15 **NATIVE AMERICAN WOMEN AND EDUCATION ABOUT YEARLY EXAMS AND PREVENTATIVE MEASURES ON THE CROW INDIAN RESERVATION.**
JR Guffin and CL Corrigan, Seattle, WA. University of Washington (WSMRF) Abstract 174
- 10:30 **DIAGNOSING AND PREVENTING OSTEOPOROSIS IN CUT BANK, MT.**
SL Abraham and CL Corrigan, Seattle, WA. University of Washington (WSMRF) Abstract 175
- 10:45 **RECOGNIZING AND PREVENTING ADOLESCENT DEPRESSION IN MILES CITY, MT.**
HA Kerins, Seattle, WA. University of Washington (WSMRF) Abstract 176
- 11:00 **STAYING SAFE IN THE SUN IN WHITE SALMON, WASHINGTON.**
S Mollerstrom, Seattle, WA. University of Washington Abstract 177
- 11:15 **SKIN CANCER PREVENTION EDUCATION IN THE RURAL TOWN OF CHEWELAH, WASHINGTON.**
MH Nasry, Seattle, WA. University of Washington Abstract 178

- 11:30 **A COMMUNITY-BASED WALKING PROGRAM IN AUBURN, WASHINGTON.**
H Smith, Seattle, WA. University of Washington Abstract 179
- 11:45 **GENERATION RX: ADDRESSING THE INCREASING PREVALENCE OF PRESCRIPTION DRUG ABUSE AMONG THE YOUTH OF CHEWELAH, WA.**
T Dyamenahalli, Seattle, WA. University of Washington (WSMRF) Abstract 180

STUDENT SCIENTIFIC SESSION III

INFECTIOUS DISEASES

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center – Chapman #4

8:45 AM – 11:45 AM

Friday, February 1, 2008

- 8:30 **HEPATOCELLULAR CARCINOMA IN KUMASI, GHANA.**
JJ Keller, Seattle, WA. University of Washington (WSMRF) Abstract 181
- 8:45 **EDUCATION AND TUBERCULOSIS INTERVENTION IN THE YUKON-KUSKOKWIM DELTA, ALASKA.**
SA Bowerman, Seattle, WA. University of Washington Abstract 182
- 9:00 **PATIENT EDUCATION AND MRSA PREVENTION STRATEGIES IN THE NATIVE ALASKAN POPULATION OF INTERIOR ALASKA.**
SL Svoboda, Seattle, WA. University of Washington Abstract 183
- 9:15 **HIV-1 EPIOTOPE-SPECIFIC CD8 T CELLS RESTRICTED BY PROTECTIVE HLA ALLELES IN LONG TERM NON-PROGRESSORS SHOW HIGH PD-1 EXPRESSION.**
B Birch, J Bui and H Horton, Seattle, WA. University of Washington (WSMRF) Abstract 184
- 9:30 **SEMI-HIGH-THROUGHPUT SCREENING OF A DRUG LIBRARY REVEALS COMPOUNDS WITH POTENT ACTIVITY AGAINST TRYPANOSOMA CRUZI.**
J Planer and F Buckner, Seattle, WA. University of Washington Abstract 185
- 9:45 **PATIENT RECOGNITION OF RECURRENT GENITAL ULCERS DUE TO HERPES SIMPLEX VIRUS TYPE 2 IN HIV POSITIVE MEN WHO HAVE SEX WITH MEN.**
I Sandlin, D Bowe, C Johnston, T Schacker, M Shaughnessey and A Wald, Seattle, WA and Minneapolis, MN. University of Washington Abstract 186

10:00 – 10:15 Intermission

- 10:15 **TOLL-LIKE RECEPTOR 5 SIGNALING CAPACITY OF CLINICAL ISOLATES ISOLATED FROM CYSTIC FIBROSIS PATIENTS CHRONICALLY INFECTED WITH PSEUDOMONAS AERUGINOSA.**
CR Lane, R Victor, C Blohmke, A Hirschfeld and S Turvey, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 187
- 10:30 **GRANULOMATOUS ENCEPHALITIS BY FREE-LIFE AMOEBAS.**
VD Hernandez Ugarte and S Huerta, Durango, Mexico and Dallas, TX. Universidad Juarez del Estado de Durango Abstract 188
- 10:45 **SPONTANEOUS PNEUMOTHORAX IN A YOUNG HEALTHY CHILD FROM PULMONARY HYDATID CYST.**
VD Hernandez Ugarte and S Huerta, Durango, Mexico and Dallas, TX. Universidad Juarez del Estado de Durango Abstract 189
- 11:00 **ANTI-LIG ANTIBODY RESPONSE OF LEPTOSPIROSIS PATIENTS FROM A HYPERENDEMIC REGION IN THE PERUVIAN AMAZON.**
E Hsieh, M Matthias, M Medeiros, A Ko and J Vinetz, La Jolla, CA and Salvador, Brazil. University of California, San Diego Abstract 190

- 11:15 **COMPARISON OF PSEUDOVIRIONS PRODUCED WHEN ALTERNATING AMOUNTS OF GAG AND/OR GP41 ARE CO-EXPRESSED.**
V Atluri, P Soonsawad, L Xing and R Cheng, Sacramento and Davis, CA. University of California, Davis Abstract 191
- 11:30 **FRAMINGHAM CARDIOVASCULAR RISK ASSESSMENT OF HIV INFECTED INDIVIDUALS IN A PREDOMINATELY MSM POPULATION.**
S Khajehgian, JD Scott and RK Bolan, Pomona and Los Angeles, CA. Western University of Health Sciences (WSMRF) Abstract 192

STUDENT SCIENTIFIC SESSION IV

DEVELOPMENTAL BIOLOGY AND METABOLISM

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center – Carpenter Hall

8:45 AM – 11:15 AM

Friday, February 1, 2008

- 8:30 **IDENTIFICATION OF LIMB SPECIFIC SONIC HEDGEHOG REGULATORY MODULES.**
SK Manu, CU Pira, K Kanaya and KC Oberg, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 193
- 8:45 **THE EFFECTS OF PRENATAL DEPRESSION ON P50 AUDITORY SENSORY GATING IN INFANTS.**
J Schneider, S Hunter and R Ross, Denver, CO. University of Colorado Health Sciences Center Abstract 194
- 9:00 **NOISE AMIDST THE SILENCE: X-LINKED MICRORNAS ARE HIGHLY EXPRESSED DURING MEIOTIC SEX CHROMOSOME INACTIVATION.**
J Michaels, S Ro and W Yan, Reno, NV. University of Nevada School of Medicine (WSMRF) Abstract 195
- 9:15 **VASCULAR ENDOTHELIAL GROWTH FACTOR MRNA AND PROTEIN EXPRESSION IN THE DEVELOPING HUMAN EYE.**
IT Ma, MJ Rowe, S Patel, M Padilla and RK Ohls, Albuquerque, NM and Salt Lake City, UT. University of New Mexico Abstract 196
- 9:30 **STRUCTURAL DOMAINS AND PROTEIN-PROTEIN INTERACTIONS THAT DETERMINE THE STABILITY OF THE TRANSCRIPTION FACTOR PROTEIN HES6.**
DV Brown, Seattle, WA and Cambridge, United Kingdom. University of Washington (WSMRF) Abstract 197
- 9:45 **DE NOVO DIABETES MELLITUS WITH ATYPICAL ANTIPSYCHOTICS: A REVIEW.**
JH Tabibian and J Pierre, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 198
(Unable to present)

10:00 – 10:15 Intermission

- 10:15 **EFFECTS OF DENERVATION IN CAVERNOSAL VASOREACTIVITY IN MICE.**
T Zaman, I Luttrell and K Chitale, Seattle, WA. University of Washington (WSMRF) Abstract 199
- 10:30 **THE ROLE OF LIFESTYLE PRACTICES IN PSORIASIS.**
J Ahdout, M Chiu and J Kim, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 200
- 10:45 **TRADITIONAL SMOKELESS TOBACCO (IQMIK) USE AMONG PREGNANT ALASKA NATIVE WOMEN IN DILLINGHAM, ALASKA.**
KM Groundwater, Seattle, WA. University of Washington (WSMRF) Abstract 201
- 11:00 **VITAMIN D DEFICIENCY IN JUNEAU, ALASKA.**
AM Tsigonis, Seattle, WA. University of Washington (WSMRF) Abstract 202

NEW INVESTIGATOR WORKSHOPS

12:15 PM – 1:15 PM

Friday, February 1, 2008

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

GRANT WRITING 101.

John C. Rutledge, *University of California, Davis*

Sunset Center – Chapman #4

MANUSCRIPT WRITING 101.

Bradley Anawalt, *University of Washington*

CALIFORNIA THORACIC SOCIETY – SESSION I

Carmel Women's Club

1:30 PM – 5:15 PM

Friday, February 1, 2008

Russell C. Klein, Presiding

MANAGING SEVERE ASTHMA

- 1:30 FELLOW CASE PRESENTATION**
Ryan Dougherty, *University of California, San Francisco*
- 2:00 FACULTY EXPERT**
John Fahy, *University of California, San Francisco*
- 2:40 BREAK**

PULMONARY COMPLICATIONS OF RHEUMATIC DISEASES

- 3:00 FELLOW CASE PRESENTATION**
Rajeev Saggarr, *University of California, Irvine*
- 3:30 FACULTY EXPERT**
Joseph P. Lynch III, *University of California, Los Angeles*
- 4:15 KEYNOTE LECTURE: IDIOPATHIC INTERSTITIAL PNEUMONIAS: DIAGNOSIS AND MANAGEMENT**
Joseph P. Lynch, III, Master Clinician
- 6:00 CTS BUSINESS MEETING & SOCIAL HOUR**
La Playa Hotel - Camino Real at 8th Street

CONCURRENT SESSIONS
AND
STUDENT SCIENTIFIC SESSIONS

Friday, February 1, 2008

1:30 PM

Jointly sponsored by

WESTERN SECTION AMERICAN FEDERATION FOR MEDICAL RESEARCH

WESTERN SOCIETY FOR CLINICAL INVESTIGATION

WESTERN ASSOCIATION OF PHYSICIANS

WESTERN SOCIETY FOR PEDIATRIC RESEARCH

WESTERN STUDENT MEDICAL RESEARCH FORUM

Adolescent Medicine and General Pediatrics Carpenter Hall, Sunset Center
Cardiovascular II Il Forniao, Pine Inn
Gastroenterology and Hepatology I 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
Metabolism II Carlson Hall, Church of the Wayfarer
Morphogenesis and Malformations Rehearsal Room, Sunset Center
Neonatology – General II All Saints Church, Auditorium
Nephrology and Hypertension Conductor’s Room, Sunset Center

STUDENT SCIENTIFIC SESSIONS V and VI

1:30 PM – 5:00 PM

STUDENT SCIENTIFIC SESSION V Monterey Beach Hotel – Pt. Cabrillo
STUDENT SCIENTIFIC SESSION VI Monterey Beach Hotel – Pt. Alones

ADOLESCENT MEDICINE AND GENERAL PEDIATRICS

Sunset Center, Carpenter Hall

Alberta S. Kong and Paul Young, Presiding

- 1:30 MUTATION IN THE GENE FOR EPITHELIAL CELL ADHESION MOLECULE IS RESPONSIBLE FOR CONGENITAL TUFTING ENTEROPATHY.**
M Sivagnanam, J Mueller, H Lee, Z Chen, S Nelson, O Libiger, N Schork, J Lavine, S Taylor, R Newbury, R Kolodner and H Hoffman, San Diego and Los Angeles, CA. *University of California, San Diego (Mead Johnson Travel Award Winner)* Abstract 203
- 1:45 TRENDS IN PEDIATRIC SPORT-RELATED INJURY: AN INJURY SURVEILLANCE STUDY AT BRITISH COLUMBIA CHILDREN'S HOSPITAL.**
K Pakzad-Vaezi and A Singhal, Vancouver, BC, Canada. *University of British Columbia (WSMRF)* Abstract 204
- 2:00 ATTITUDES TOWARDS COMPLEMENTARY AND ALTERNATIVE MEDICINE IN A PEDIATRIC HOSPITAL.**
J Valentine, N Jimenez and A Kundu, Seattle, WA. *University of Washington (WSPR Subspecialty Award Winner)* Abstract 205
- 2:15 THE CHOKING GAME (ADOLESCENT ASPHYXIATION ACTIVITY): A POTENTIALLY FATAL RISK BEHAVIOUR SOMETIMES MISDIAGNOSED.**
A Thamboo, R Jain, F Gagnon, W Cannon, M Deevska and A Macnab, Vancouver, BC, Canada. *University of British Columbia (WSMRF)* Abstract 206
- 2:30 NOVEL CERULOPLASMIN DETECTION METHOD BY TMS FOR NEWBORN SCREENING OF WILSON DISEASE.**
A deWilde, K Sadilkova, M Sadelilek, V Vasta and S Hahn, Seattle, WA. *Children's Hospital Research Institute* Abstract 207
- 2:45 HEPATITIS B VACCINE BIRTH DOSE DOES NOT INCREASE THE INCIDENCE OF FEVER OR RULE OUT SEPSIS EVALUATIONS DURING THE NEWBORN HOSPITAL STAY.**
S Santiago, S Wu, M Lee and C Chantry, Sacramento, CA. *University of California, Davis* Abstract 208
- 3:00 BLOOD PRESSURE CORRELATIONS WITH CHILDREN'S LABORATORY INDUCED PAIN TOLERANCE, INTENSITY, AND UNPLEASANTNESS.**
K Trangsrud, Q Lu, S Evans, JC Tsao and LK Zeltzer, San Jose and Los Angeles, CA. *University of California, Irvine (WSMRF)* Abstract 209

3:15 – 3:30 Intermission

- 3:30** *State-of-the-Art Speaker*
PREVENTING OBESITY: NO CHILD LEFT WITH A BIG BEHIND.
Thomas N. Robinson, *Stanford University School of Medicine*
- 4:00 EARLY CHILDHOOD ORAL HEALTH IN PONDERA COUNTY MONTANA.**
J Valentine, Seattle, WA. *University of Washington* Abstract 210
- 4:15 CREATING A PROGRAM FOR MEASURING CHILDHOOD OBESITY IN BRITISH COLUMBIA.**
K Winter and R Hulyk, Vancouver, BC, Canada. *University of British Columbia (WSMRF)* Abstract 211
- 4:30 RECURRENT VOMITING AND DIARRHEA AS A PRESENTATION OF DYSMENORRHEA.**
KA Molas-Torrealblanca and CJ Barangan, Las Vegas, NV. *University of Nevada School of Medicine* Abstract 212
- 4:45 AN UNUSUAL COMBINATION OF MULLERIAN DUCT ANOMALIES IN AN OLDER ADOLESCENT FEMALE.**
CJ Barangan, Las Vegas, NV. *University of NV School of Medicine* Abstract 213

CARDIOVASCULAR II

Pine Inn, Il Forniao

Carlin Long and Brian L. Stauffer, Presiding

- 1:30 A NOVEL PORCINE MODEL OF DIET-INDUCED OBESITY CAUSES DERANGED MYOCARDIAL INSULIN SIGNALING.**
JK Lee, Y Xu, L Lu, W Leitner, C Greyson, B Bergman, B Draznin and GG Schwartz, Denver, CO. *VA Medical Center and University of Colorado Health Sciences Center (Carmel Scholar Award Winner)* Abstract 214

- 1:45 **MECHANISMS OF UROKINASE-INDUCED COLLAGEN PRODUCTION BY CARDIAC FIBROBLASTS.**
JA Meznarich, M Dishmon, K Bertko and A Stempien-Otero, Seattle, WA. University of Washington (WSMRF) Abstract 215
- 2:00 **CHARACTERIZATION OF CALCIUM TRANSIENTS IN GENETICALLY-DRIVEN MATURATED MOUSE EMBRYONIC STEM CELL-DERIVED CARDIOMYOCYTES.**
A Abu-Khalil, J Fu, J Liu, C Siu and R Li, Davis, CA. University of California, Davis (WSMRF) Abstract 216
- 2:15 **PRO-ARRHYTHMIC EFFECT OF MONOPHASIC FIELD STIMULATION REVEALED IN A 2-D EXPERIMENTAL MODEL OF UP-REGULATED MODE 2 GATING AND CALCIUM OVERLOAD.**
MG Chang, CY Chang, L Xu, L Tung, MR Abraham and E Marbán, Los Angeles, CA and Baltimore, MD. David Geffen School of Medicine, UCLA Abstract 217
- 2:30 **ROLE OF THE JAK/STAT PATHWAY IN IL-8 TRANSCRIPTION BY OXIDIZED PHOSPHOLIPIDS IN VITRO AND IN ATHEROSCLEROSIS IN VIVO.**
NM Gharavi, JA Alva, KP Mouillesseaux, M Fishbein and JA Berliner, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 218
- 2:45 **State-of-the-Art Speaker**
DIETARY FATS, INFLAMMATION, AND VASCULAR DYSFUNCTION.
Francis Kim, University of Washington

3:15 – 3:30 Intermission

- 3:30 **ANT1 DEFICIENCY RESULTS IN DILATED CARDIOMYOPATHY: HISTOLOGIC ASSESSMENT AND ECHOCARDIOGRAPHIC CHARACTERIZATION OF MYOCARDIAL MECHANICS IN THE ANT1-/- MOUSE.**
N Narula, M Zaragoza, P Li, J Verjans, K Waymire, N Narula, M Vannan, J Narula and D Wallace, Irvine and Orange, CA. University of California, Irvine (WSMRF) Abstract 219
- 3:45 **HYPOTHERMIA IMPROVES LEFT VENTRICULAR FUNCTION AND ATTENUATES LV REMODELING IN ACUTE MYOCARDIAL INFARCTION.**
H Thai, T Hagerty, R Do, R Arsanjani, H Raasch, A Kaki, A Sabbath, J Lancaster, M Gaballa, E Juneman and S Goldman, Tucson, AZ. SAVAHCS Medical Center (WSCI Travel Award Winner) Abstract 220
- 4:00 **IMPLANTATION OF A 3 DIMENSIONAL FIBROBLAST MATRIX IMPROVES LEFT VENTRICULAR FUNCTION AND ATTENUATES LV REMODELING IN ACUTE AND CHRONIC ISCHEMIC HEART FAILURE.**
T Hagerty, R Do, E Juneman, H Thai and S Goldman, Tucson, AZ. University of Arizona Abstract 221
- 4:15 **ROLE OF LIVER X RECEPTOR IN CALCIFICATION OF MURINE AORTIC CELLS.**
JJ Hsu, MS Huang, J Lu, LL Demer and Y Tintut, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 222
- 4:30 **CYTOKINE MEDIATED RELEASE OF VASCULAR ENDOTHELIAL GROWTH FACTOR AND STROMAL-DERIVED FACTOR 1 INDUCES NEOVASCULARIZATION AND PREVENTS LEFT VENTRICULAR REMODELING IN A PORCINE MODEL OF ISCHEMIA REPERFUSION.**
FS Angeli, N Amabile, S Jahn, G Orcino, M Shapiro, S Burjonroppa, K Chatterjee, SA Glantz, W Grossman and Y Yeghiazarians, San Francisco, CA. University of California (Carmel Scholar Award Winner) Abstract 223
- 4:45 **HDL MIMETIC PEPTIDES AND THEIR ANTI-INFLAMMATORY ROLES.**
B Yekta, L Vakili, T Mottino, M Navab and A Fogelman, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 224

GASTROENTEROLOGY AND HEPATOLOGY I

Sunset Center, Green Room

Tom Ma and Henry C. Lin, Presiding

- 1:30 **A RANDOMIZED CONTROLLED DOSE RESPONSE STUDY OF LANSOPRAZOLE ORAL DISTINTEGRATING TABLETS IN SUSPENSION FOR TREATMENT OF GASTRO-ESOPHAGEAL REFLUX DISEASE IN CHILDREN.**
L Orendain and DA Gremse, Las Vegas, NV. University of Nevada School of Medicine Abstract 225

- 1:45 **CANDIDA ESOPHAGITIS IN INFANTS WITH GASTROESOPHAGEAL REFLUX DISEASE AND FEEDING REFUSAL.**
S Reese, A Billings, CJ Billings, KD Crissinger and DA Gremse, Las Vegas, NV and Mobile, AL. *University of Nevada School of Medicine* Abstract 226
- 2:00 **PATIENT CHARACTERISTICS, CLINICAL FEATURES, ENDOSCOPIC FINDINGS, AND RESPONSE TO TREATMENT OF PATIENTS WITH EOSINOPHILIC ESOPHAGITIS.**
P Kazemi, W Chung and R Enns, Vancouver, BC, Canada. *University of British Columbia (WSMRF)* Abstract 227
- 2:15 **FREQUENCY OF BURIED BARRETT'S METAPLASIA AFTER HALO ABLATION FOR INTESTINAL METAPLASIA.**
JC Hernandez, S Reicher, B Pham, R Venegas, D Chung, S French and VE Eysselein, Torrance, CA. *Harbor-UCLA Medical Center* Abstract 228
- 2:30 **MECHANISM OF INTERLEUKIN-1 β MODULATION OF INTESTINAL PERMEABILITY IN-VIVO.**
A Kaza, K Dokladny and TY Ma, Albuquerque, NM. *University of New Mexico Health Sciences Center (WAFMR/WSOI/WSPR Outstanding Resident Award Winner) (WSMRF)* Abstract 229
- 2:45 **EFFECT OF CURCUMIN AND CURCUMIN ANALOGUES ON TNF- α INDUCED INCREASE IN INTESTINAL EPITHELIAL TIGHT JUNCTION PERMEABILITY.**
LT Taylor, K Dokladny, D Vander Jagt and T Ma, Albuquerque, NM. *University of New Mexico (Carmel Scholar Award Winner)* Abstract 230

3:00 – 3:15 Intermission

- 3:15 *State-of-the-Art Speaker*
ADVANCES IN IMAGING MODALITY FOR INFLAMMATORY BOWEL DISEASE.
Jonathan Leighton, *Mayo Clinic*
- 4:00 **MECHANISM OF PTEN INTERACTIONS IN COLORECTAL CANCERS AND HAMARTOMATOUS POLYPS.**
JK Lee, SC Huang and JM Carethers, La Jolla, CA. *University of California, San Diego (WAFMR/WSOI Subspecialty Award Winner)* Abstract 231
- 4:15 **VENTILATION MODE ALTERS CELL PROLIFERATION AND APOPTOSIS IN PRETERM LAMB ILEUM.**
W Worthen, L Dong, J Alvord, M Dahl, D Null, B Yoder, R Lane and K Albertine, Salt Lake City, UT. *University of Utah (WSMRF)* Abstract 232

HEALTH CARE RESEARCH II

Sunset Center, Promenade Lobby

Keith Norris and Kevin Heslin, Presiding

- 1:30 **A NOVEL METHOD OF SEPARATING PROTEINS FOR APPLICATIONS IN BIOMARKER CHARACTERIZATION.**
MS Patel, M Kerby, L Mouallem, A Chauhan and A Tripathi, Providence, RI; Irvine, CA and Gainesville, FL. *Brown University (WSMRF)* Abstract 233
- 1:45 **EFFECTS OF PROPARACAINE AND TETRACAINE ON CORNEAL EPITHELIAL CELL MIGRATION IN VITRO.**
C Kim, L Oliveira and M Rosenblatt, Sacramento, CA. *University of California, Davis (WSMRF)* Abstract 234
- 2:00 **OCULAR FINDINGS IN PATIENTS WITH CHRONIC GRAFT-VERSUS-HOST DISEASE.**
E Allan, M Wu, P Martin, M Flowers and R Bensinger, Seattle, WA. *University of Washington (WSMRF)* Abstract 235
- 2:15 *State-of-the-Art Speaker*
THE CALIFORNIA HEALTH INTERVIEW SURVEY (CHIS) AS A TOOL FOR ADVANCING KNOWLEDGE AND HEALTH POLICY.
Kevin C. Heslin, *Charles Drew University*
- 2:45 **LONG-TERM GLUCOSE CONTROL WITH ORAL AGENTS ONLY IN VETERANS WITH TYPE 2 DIABETES MELLITUS.**
JL Meier, S Najera, RH Noth and AL Swislocki, Martinez and Sacramento, CA. *VA Northern California Health Care System* Abstract 236

- 3:00 **PHYSICIAN COMMUNICATION: EVALUATION OF HAND-OFFS IN ANESTHESIA PRACTICE.**
L Enriquez, J Campos, G Peterson, K Souter, F Cheney and K Posner, Seattle, WA. *University of Washington* Abstract 237
- 3:15 **SNAPSHOTS OF MEDICATION RECONCILIATION: A MEDICAL RECORD REVIEW.**
CG Jette, C Nemeth, M Nunnally and R Cook, Seattle, WA and Chicago, IL. *University of Washington* Abstract 238

3:30 – 3:45 Intermission

- 3:45 **SOCIODEMOGRAPHIC FACTORS ASSOCIATED WITH HEALTHCARE UTILIZATION IN SIEM REAP CAMBODIA.**
BM Schmitz, S Nhean, M Morgan and S Bezruchka, Seattle, WA and Siem Reap, Cambodia. University of Washington School of Medicine (WAFMR/WSCI Specialty Award Winner) Abstract 239
- 4:00 **THE SPITI MEDICAL PROJECT: A MODEL OF SUSTAINABLE INTERNATIONAL HEALTH DEVELOPMENT.**
EH Chau, M Wlodarski, E Pang and V Kapoor, Vancouver, BC, Canada. University of British Columbia Abstract 240
- 4:15 **A TELEMEDICINE MODEL IMPROVES ATTITUDES TO DIABETES IN MEDICAL STUDENTS PARTICIPATING IN A RURAL MEDICINE ROTATION IN NEW MEXICO.**
AM Sawyer and K Colleran, Albuquerque, NM. University of New Mexico Abstract 241
- 4:30 **BACTERIAL VAGINIOSIS PREVENTION EDUCATION OF SEX WORKERS IN CALLAO PERU.**
H Sexton, Seattle, WA. University of Washington (WSMRF) Abstract 242
- 4:45 **TO GO OR NOT TO GO: DO GLOBAL HEALTH PROJECTS HAVE A POSITIVE IMPACT ON MEDICAL STUDENTS?**
J Smitten, G Walton, S Yeong, J Chiles, A Watchorn, A Macnab, V Kapoor, A Mills, L Ambrose and A Ryan, Vancouver, BC, Canada. University of British Columbia Abstract 243

IMMUNOLOGY AND RHEUMATOLOGY I

Sunset Center, Studio 105

Kevin Deane, Presiding

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| 1:30 | <p><i>State-of-the-Art Speaker</i>
DEFINING THE GENETIC CONTRIBUTION TO COMPLEX DISEASE: RHEUMATOID ARTHRITIS AS AN EXEMPLAR.
Lindsey A. Criswell, <i>University of California, San Francisco</i></p> |
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- 2:00 **IMMUNE-TO-NEURAL SIGNALING IN RATS WITH ADJUVANT-INDUCED ARTHRITIS.**
BM Reese, JL Carter, DL Bellinger, D Lorton and C Lubahn, Loma Linda, CA and Sun City, AZ. Loma Linda University Abstract 244
- 2:15 **A COMPARISON OF PSYCHOSOCIAL CHARACTERISTICS IN FIBROMYALGIA AND RHEUMATOD ARTHRITIS PATIENTS INDEPENDENT OF PAIN.**
E Katsaros and K Boyd, Loma Linda, CA. Loma Linda University Medical Center Abstract 245
- 2:30 **THE ROLE OF NOD1 AND NOD2 IN THE PRODUCTION OF TNF- α , IL-1 β AND IFN- γ IN HUMAN NEONATES.**
JE Caron, TR La Pine, NH Augustine, TB Martins and HR Hill, Salt Lake City, UT. University of Utah (WSPR) Abstract 246
- 2:45 **ANALYSIS OF LIFESTYLE FACTORS LEADING TO OBESITY IN PSORIASIS PATIENTS.**
N Ezra, J Ahdout, J Kim and M Chiu, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 247
- 3:00 **PAIN AND HEMORRHAGE DURING PHYSICIAN-PERFORMED SYRINGE PROCEDURES IS CAUSED BY POOR NEEDLE CONTROL: A RANDOMIZED CONTROLLED TRIAL.**
A Peisajovich, KS Park, AA Michael, GR Moorjani, WL Sibbitt and AD Bankhurst, Albuquerque, NM. University of New Mexico Health Sciences Center (Carmel Scholar Award Winner) Abstract 248

3:15 – 3:30 Intermission

- 3:30 **TRANSITIONAL B CELL STAGES OF DEVELOPMENT IN HUMAN FETAL SPLEEN.**
S Lee, T Milford, M Baez, Y Sevilla, K Colburn and K Payne, Loma Linda, CA. Loma Linda University Medical Center (WSCI Travel Award Winner) Abstract 249

- 3:45 **MICRORNA EXPRESSION PROFILING OF ARTICULAR CARTILAGE.**
W Dunn, G Duraine and H Reddi, Sacramento, CA. University of California, Davis Abstract 250
- 4:00 **PRESSURE-INDUCED URTICARIA SUCCESSFULLY TREATED WITH CYCLOSPORINE.**
RL Roberts and KY Wang, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSPR) (Carmel Scholar Award Winner) Abstract 251
- 4:15 **DEVIC'S NEUROMYELITIS OPTICA (NMO) IN A 20-YEAR-OLD PATIENT WITH SYSTEMIC LUPUS ERYTHEMATOSUS.**
L Tatosyan, Loma Linda, CA. Loma Linda Medical Center (WAFMR) Abstract 252

INFECTIOUS DISEASES

Sunset Center, Room # 6

David Gilbert and Lawrence Drew, Presiding

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| 1:30 | <p style="margin: 0;"><i>State-of-the-Art Speaker</i>
CYTOMEGALOVIRUS UPDATE.
<i>Lawrence Drew, University of California, San Francisco</i></p> |
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- 2:00 **ROLE OF EPITHELIAL MEMBRANE PROTEIN (EMP2) IN CHLAMYDIA INFECTIVITY IN VIVO.**
MK Nguyen, AM Chan, K Shimazaki, R Moniz, K Kelly, LK Gordon and J Braun, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 253
- 2:15 **DETERMINANTS OF VIRAL ASSEMBLY FOR THE NIPAH VIRUS MATRIX, FUSION, AND ATTACHMENT PROTEINS.**
DY Choi, C Kwan, M Cerrato and HC Aguilar, Los Angeles, CA. David Geffen School of Medicine (E.E. Osgood Winner) Abstract 254
- 2:30 **CCR5-DELTA32 MUTATION CORRELATES WITH THE SIZE OF THE SMALLPOX VACCINATION SCAR.**
LA Cone, R Gade-Andavolu, S Shu, ME Cone and BW Winings, Rancho Mirage, CA. Eisenhower Medical Center (WAFMR) Abstract 255
- 2:45 **RAPID MOLECULAR DIAGNOSIS OF THE CLASSIC SEX-LINKED AND VARIANT FORMS OF CHRONIC GRANULOMATOUS DISEASE EMPLOYING HIGH RESOLUTION MELTING ANALYSIS.**
HR Hill, NH Augustine, RJ Pryor, GH Reed, A Tebo, J Bender and CT Wittwer, Salt Lake City, UT. University of Utah (WSCI Travel Award Winner) (WSPR) Abstract 256
- 3:00 **CYTOMEGALOVIRUS-INDUCED INFLAMMATORY RESPONSE IN FETAL ASTROCYTES IS INVERSELY RELATED TO GLIAL DIFFERENTIATION.**
A Maheshwari, S McConaghy and R Ohls, Birmingham, AL and Albuquerque, NM. University of Alabama at Birmingham (WAFMR) Abstract 257

3:15 – 3:30 Intermission

- 3:30 **SALVAGE IN TRIPLE CLASS RESISTANT PATIENTS WITH RALTEGRAVIR IN A COMMUNITY BASED PRACTICE.**
LS Newmarch, CM Marion, JA Dubin and M Gottlieb, Los Angeles and Pasadena, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 258
- 3:45 **CHARACTERIZATION OF A NOVEL RECOMBINANT ENTEROVIRUS.**
R Hammon, N Halnon and P Krogstad, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 259
- 4:00 **THE PREVALENCE AND ANTIBIOTIC SUSCEPTIBILITY OF METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS BACTERIA IN PEDIATRIC PATIENTS IN LAS VEGAS.**
E Ezeanolue, M Buttner, P Cruz, J Henry, C Cross and L Stetzenbach, Las Vegas, NV. University of Nevada School of Medicine (WSPR) Abstract 260
- 4:15 **SAFETY OF INTRAVENOUS ANTIBIOTIC THERAPY IN CHRONIC LYME DISEASE.**
RB Stricker, CL Green, VR Savely and SN Chamallas, San Francisco, CA; Bethesda, MD and Maitland, FL. California Pacific Medical Center (WAFMR) Abstract 261

METABOLISM II

Church of the Wayfarer, Carlson Hall

Kristina M. Utzschneider, Presiding

- 1:30 *State-of-the-Art Speaker*
AORTIC INSULIN SIGNALING IS PERTURBED IN A LARGE ANIMAL MODEL OF DIET-INDUCED OBESITY.
Cecilia C. Low Wang, *Denver VA Medical Center and University of Colorado Health Sciences Center*
- 2:00 **ROLE OF STEAROYL-COA DESATURASE IN PRENATAL NUTRITIONAL PROGRAMMING OF ADULT OBESITY IN RATS.**
JK Yee, S Lim, M Desai, M Ross and WP Lee, Torrance and Los Angeles, CA. Los Angeles BioMedical Research Institute at Harbor-UCLA (WSPR) Abstract 262
- 2:15 **INTRAUTERINE GROWTH RESTRICTION (IUGR) ALTERS GLUCOCORTICOID RECEPTOR AND 11 β HSD1 EXPRESSION IN VISCERAL ADIPOSE TISSUE OF THE RAT.**
S Laurynowicz, L Joss-Moore, X Yu, J Forsyth, C Callaway, R McKnight and R Lane, Salt Lake City, UT. University of Utah School of Medicine Abstract 263
- 2:30 **ECTOPIC FAT ACCOMPANIES VISCERAL ADIPOSITY AND TOGETHER EXPLAIN THE MAJORITY OF VARIATION IN INSULIN RESISTANCE.**
WC Chapin, C Krisky, U Szumowski, S Bacon and JQ Purnell, Portland, OR. Oregon Health Sciences Center University (WAFMR) (Carmel Scholar Award Winner) Abstract 264
- 2:45 **EVIDENCE OF APOPTOSIS IN HUMAN ADIPOSE TISSUE FROM HEALTHY INDIVIDUALS.**
RC Lindstrom, NR Stob, C Law, TL Hernandez and RH Eckel, Aurora, CO. University of Colorado Health Sciences Center Abstract 265
- 3:00 **EXPRESSION OF PPAR-GAMMA IN HYPOTHALAMIC NEURONS INVOLVED IN GLUCOSE METABOLISM AND ENERGY HOMEOSTASIS.**
DA Sarraf, HT Nguyen, GJ Morton, M Matsen, DL Williams and MW Schwartz, Seattle, WA. University of Washington/Harborview Medical Center (Carmel Scholar Award Winner) Abstract 266
- Abstract 267

3:15 – 3:30 Intermission

- 3:30 **PIOGLITAZONE STIMULATES ADIPONECTIN SECRETION FROM 3T3-L1 ADIPOCYTES VIA ACTIVATION OF THE PHOSPHATIDYLINOSITOL 3'-KINASE.**
RI Pereira, J Leitner and B Draznin, Denver and Aurora, CO. Denver Veterans Affairs Medical Center (WSCI Travel Award Winner) Abstract 268
- 3:45 **THE EFFECT OF COMBINATION ROSIGLITAZONE/METFORMIN THERAPY ON ADIPOCYTE AND SERUM ADIPONECTIN CONCENTRATION.**
J Kung, C Choe, TP Ciaraldi and RR Henry, San Diego, CA. University of California, San Diego Abstract 269
- 4:00 **COMPARISON OF RT3 TRIAXIAL ACCELEROMETER AND 7-DAY PHYSICAL ACTIVITY RECALL IN ADOLESCENTS.**
AS Kong, A Harris and B Skipper, Albuquerque, NM. University of New Mexico (WAFMR) (Carmel Scholar Award Winner) Abstract 270

MORPHOGENESIS AND MALFORMATIONS

Sunset Center, Rehearsal Room

Marilyn C. Jones and Anne Slavotinek, Presiding

- 1:30 **KLIPPEL-FEIL ANOMALY: ASSOCIATED FEATURES AND UNDERLYING DYSMORPHOGENESIS.**
S Dugan and L Hudgins, Stanford, CA. Stanford University (Carmel Scholar Award Winner) Abstract 271
- 1:45 **FEMORAL FACIAL SYNDROME AND HYDROCEPHALY: A NOVEL PRESENTATION.**
A Ho, N LeFloch, ML Levy and LM Bird, La Jolla and San Diego, CA. University of California, San Diego Abstract 272

- 2:00 **FAMILIAL PREDISPOSITION TO DEVELOPMENTAL DYSPLASIA OF THE HIP.**
D Stevenson, G Mineau, R Kerber, D Viskochil, A Schiffern and J Roach, Salt Lake City, UT. *University of Utah (WSPR)* Abstract 273
- 2:15 **POPULATION STUDY OF LIMB-BODY WALL COMPLEX IN UTAH: PREVALENCE, DESCRIPTIVE ANALYSIS AND CLUES TO PATHOGENESIS.**
JC Carey, J Byrne, K Lecheminant and M Feldkamp, Salt Lake City, UT. *University of Utah (WSPR)* Abstract 274
- 2:30 **FAMILIAL OCCURRENCE OF SCHWANNOMATOSIS AND MALIGNANT RHABDOID TUMOR ASSOCIATED WITH A DUPLICATION IN SNF5/INI1/SMARCB1.**
M Williams, J Keyser and J Swensen, Salt Lake City and Logan, UT. *Intermountain Healthcare (WSPR)* Abstract 275
- 2:45 **State-of-the-Art Speaker**
NEW ADVANCES IN VCP MYOPATHY ASSOCIATED WITH PAGET DISEASE OF BONE AND/OR FRONTOTEMPORAL DEMENTIA.
Virginia E. Kimonis, *University of California, Irvine*

3:15 – 3:30 Intermission

- 3:30 **FETUS-IN-FETU: TWINNING OR HIGHLY-DIFFERENTIATED TERATOMA?**
J Kaplan, A Kwan, A Cherry, D Perry and J Shieh, Stanford, CA. *Stanford University (Carmel Scholar Award Winner)* Abstract 276
- 3:45 **COMPARISON OF SINGLE VERSUS MULTIPLE ECHOGENIC FOCI IN THE FETAL HEART REGARDING THE RISK OF ANEUPLOIDY.**
B Chiong, E Gerscovich, L Morris, J McGahan and D Towner, Sacramento, CA. *University of California, Davis (WSPR Subspecialty Award Winner) (WSMRF)* Abstract 277
- 4:00 **RACIAL DIFFERENCES IN SOUTHERN NEVADA'S DOWN SYNDROME INCIDENCE AND THE OCCURRENCE OF ASSOCIATED CONGENITAL CARDIAC MALFORMATIONS.**
WN Evans, RJ Acherman, KT Kip and H Restrepo, Las Vegas, NV. *Children's Heart Center (WSPR)* Abstract 278
- 4:15 **INBORN ERROR OF METABOLISM PRESENTING AS MALFORMATION SYNDROME: HYDROCEPHALUS AS A MANIFESTATION OF COBALAMIN D DISEASE.**
JA Bernstein, C Lee-Messer, K Cusmano, DS Rosenblatt, T Cowan and GM Enns, Stanford, CA and Montreal, QC, Canada. *Stanford University (WAFMR)* Abstract 279
- 4:30 **MYCOPHENOLATE MOFETIL AS A TERATOGEN.**
PY Jackson, L Paquette, R Ramanathan and I Seri, Los Angeles, CA. *Los Angeles, University of Southern California* Abstract 280
- 4:45 **NEONATAL PRESENTATION OF GLUTARIC ACIDURIA TYPE 1.**
KP Cusmano-Ozog, JR Waterson, GM Enns and TM Cowan, Stanford and Oakland, CA. *Stanford University (WSPR)* Abstract 281
- 5:00 **CROUZON SYNDROME WITH ACANTHOSIS NIGRICANS IN TWO GENERATIONS: CASE REPORT OF MOTHER AND PRENATALLY DIAGNOSED SON.**
K Zakarian, Glendale, CA. *University of California, Irvine* Abstract 282

NEONATOLOGY – GENERAL II

All Saints Church, Auditorium

Usha Raj, Presiding

- 1:30 **INTRAUTERINE GROWTH RESTRICTION ALTERS TISSUE NECROSIS FACTOR ALPHA LIGAND AND RECEPTOR EXPRESSION IN A GENDER DEPENDENT MANNER.**
AJ Zabrocki, RH Lane, RA McKnight, M Hale, X Yu, S O'Grady, C Callaway, D Caprau and H Jin, Salt Lake City, UT. *University of Utah* Abstract 283
- 1:45 **SHH IS NECESSARY FOR LIMB REGENERATION.**
LN Bautista, N Mishima and KC Oberg, Loma Linda, CA. *Loma Linda University (WSPR Subspecialty Award Winner) (WSMRF)* Abstract 284
- 2:00 **INTRAUTERINE GROWTH RESTRICTION AFFECTS NEUREGULIN-1 MEDIATED NEURONAL DIFFERENTIATION IN THE HIPPOCAMPUS.**
CM Fung, H Jin, X Yu, CW Callaway, RA McKnight and RH Lane, Salt Lake City, UT. *University of Utah (WSCI Travel Award Winner)* Abstract 285

- 2:15 **EFFICACY OF CHROMIUM MESOPORPHYRIN IN INHIBITING HEME OXYGENASE ACTIVITY IN HEME-LOADED NEWBORN MICE.**
T Morisawa, HH Xiao, RJ Wong, VK Bhutani, HJ Vreman and DK Stevenson, Stanford, CA. Stanford University Abstract 286
- 2:30 **MECHANISM OF NICOTINE-INDUCED UP-REGULATION OF WINGLESS/INT (WNT) SIGNALING IN HUMAN ALVEOLAR INTERSTITIAL FIBROBLASTS (AIFS).**
LM Cerny, R Sakurai, Y Wang, P Guo, JS Torday and VK Rehan, Torrance, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center Abstract 287
- 2:45 **GLUCOSE REPLACEMENT LEADS TO FETAL HYPOXIA, ACIDOSIS, AND DECREASED INSULIN SECRETION IN AN OVINE MODEL OF INTRAUTERINE GROWTH RESTRICTION.**
PJ Rozance, SW Limesand, JS Barry, LD Brown and WW Hay, Aurora, CO and Tucson, AZ. University of Colorado Denver and Health Sciences Center (WSPR) Abstract 288
- 3:00 **LATE PRETERM INFANTS PROCESS AUDITORY STIMULI DIFFERENTLY THAN FULL-TERM INFANTS.**
JE Barthell, CT Worwa, JM Therien and RO deRegnier, Minneapolis and St. Paul, MN and Chicago, IL. University of Minnesota (WAFMR) Abstract 289

3:15 – 3:30 Intermission

- 3:30 **MODIFIABLE SIDS RISK FACTORS AND SIDS IN TORAJA, INDONESIA.**
TT Hoppenbrouwers, S Sandarupa, J Hodgman and TG Keens, Los Angeles, CA and Makassar, Indonesia. Children's Hospital Los Angeles; Women's and Children's Hospital University of Southern California, Keck School of Medicine (WSPR) Abstract 290
- 3:45 **DEVELOPMENT OF SMAD3 (-/-) ALVEOLAR TYPE II CELL LINES.**
CG Ramos, C Tiozzo and P Minoo, Los Angeles, CA. University of Southern California, Keck School of Medicine (Carmel Scholar Award Winner) Abstract 291
- 4:00 **A POSITIVE FAMILY HISTORY OF DYSLIPIDEMIA NEGATIVELY IMPACTS THE SUCCESS OF LIFE-STYLE INTERVENTION.**
KT Kip, WN Evans, GA Mayman, RJ Acherman and H Restrepo, Las Vegas, NV. Children's Heart Center (WSPR) Abstract 292
- 4:15 **SYNTENIC REGIONS OF HUMAN AND NON-HUMAN PRIMATE CHROMOSOMES DIFFER IN GENE CONTENT: IMPLICATIONS FOR HUMAN EVOLUTION.**
M Kaser, San Francisco, CA. Bell & Associates (WSPR) Abstract 293

NEPHROLOGY AND HYPERTENSION

Sunset Center, Conductor's Room

Sharon Adler and Nick Vaziri, Presiding

- 1:30 **THE PREVALENCE OF DIABETES 20 YEARS FOLLOWING EXTRACORPOREAL SHOCK-WAVE LITHOTRIPSY.**
RK Masson, S Chan, R Hamidizadeh, VA Rowley, R Paterson, C Zwirewich and B Chew, Vancouver, BC, Canada. University of British Columbia (WAFMR/WSCI Subspecialty Award Winner) Abstract 294
- 1:45 **EVALUATION OF POTENTIAL COMPOUNDS IN MODIFYING METABOLIC AND CELLULAR RESPONSE TO INCREASED OXIDATIVE STRESS.**
I Sinha-Hikim, R Shen, P Lee, A Crum and K Norris, Los Angeles and Torrance, CA and Rhinebeck, NY. Charles R. Drew University (WSCI Travel Award Winner) Abstract 295
- 2:00 **RHO GTPASES, ACTIN DEPOLYMERIZING PROTEIN COFILIN AND P38 MITOGEN ACTIVATED PROTEIN KINASE IN DIABETIC NEPHROPATHY (DN).**
M Chamberlin, T Dai, I Jayarata, J LaPage, R Natarajan, C Nast and S Adler, Torrance, Duarte, and Los Angeles, CA. Los Angeles Biomedical Research Institute (Carmel Scholar Award Winner) Abstract 296
- 2:15 *State-of-the-Art Speaker*
APPROACHING DIABETIC NEPHROPATHY AS THE FRONTIER IN THE STRUGGLE TO PREVENT RENAL FAILURE.
Sharon Adler, Harbor-UCLA Medical Center

3:15 – 3:30 Intermission

- 3:30 **EFFECT OF END-STAGE RENAL DISEASE ON SUBPOPULATIONS OF CIRCULATING B LYMPHOCYTES.**
M Pahl, S Gollapudi, L Sepassi and ND Vaziri, Orange, CA. University of California, Irvine (WAP) Abstract 297
- 3:45 **MAMMALIAN TARGET OF RAPAMYCIN (mTOR) SIGNALING AND APOPTOSIS IN POLYCYSTIC KIDNEY DISEASE (PKD).**
CL Edelstein, Y Tao, I Zafar and RW Schrier, Denver, CO and Amarillo, TX. University of Colorado Health Sciences Center (WAP) Abstract 298
- 4:00 **ANTIOXIDANT THERAPY IMPROVES ANTIOXIDANT ACTIVITY OF HDL WITHOUT AFFECTING OXIDATIVE STRESS AND INFLAMMATION IN PATIENTS WITH END STAGE RENAL DISEASE (ESRD).**
H Moradi, R Elahimehr, M Kamgar, M Pahl and N Vaziri, Orange, CA. University of California, Irvine (Carmel Scholar Award Winner) Abstract 299
- 4:15 **EFFECT OF EXERCISE TRAINING ON ENDOTHELIAL FUNCTION AND VASCULAR CONTRACTILITY IN CHRONIC KIDNEY DISEASE.**
S Summer, S Shelkovnikov, G Adams, R Purdy and ND Vaziri, Orange, CA. University of California, Irvine Abstract 300
- 4:30 **DOES TACROLIMUS CAUSE SUBCLINICAL NEPHROTOXICITY IN CHILDREN WITH STEROID RESISTANT NEPHROTIC SYNDROME.**
L Butani and R Ramsamooj, Sacramento, CA. University of California, Davis (WSPR) Abstract 301
- 4:45 **ATYPICAL HEMOLYTIC UREMIC SYNDROME AND ACUTE LYMPHOBLASTIC LEUKEMIA CAN PRESENT SIMULTANEOUSLY.**
A Al Abbas, R Sinha, J Dionne and R Hurley, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 302

STUDENT SCIENTIFIC SESSION V

NEUROSCIENCE AND HEALTH CARE

WESTERN STUDENT MEDICAL RESEARCH FORUM

Monterey Beach Hotel – Pt. Cabrillo

1:30 PM – 4:45 PM

Friday, February 1, 2008

- 1:30 **NATURAL HISTORY OF INCIDENTAL UNRUPTURED CEREBRAL ANEURYSMS EVALUATED USING MULTI-DETECTOR HELICAL COMPUTED TOMOGRAPHY ANGIOGRAPHY.**
J Chung, Y Ragauskayte, A Saini, H Pham, N Martin, G Duckwiler, R Jahan, J Sayre, F Vinuela and P Villablanca, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 303
- 1:45 **SUPPRESSION OF HOMOQUINOLINIC ACID ENHANCED JUNCTIONAL POTENTIALS BY THE D3 STEREOISOMER OF A CARBOXY DERIVATIVE OF BUCKMINSTERFULLERENE.**
DW Stockwell, TD Vogel, N Jabre, RN Friedman and L Dugan, Indianapolis, IN and San Diego, CA. Indiana University School of Medicine Abstract 304
- 2:00 **CLINICAL AND PATHOLOGICAL FEATURES IN PEDIATRIC BRAIN DEATH.**
JE Jocelyn and M Mathur, Loma Linda, CA. Loma Linda University School of Medicine Abstract 305
- 2:15 **EFFECTS OF NICOTINE ON AUDITORY GATING IN MANIC ILLNESSES.**
T Parker, L Martin, J Lins, R Freedman and A Olincy, Denver, CO. University of Colorado Health Sciences Center School of Medicine Abstract 306
- 2:30 **MILD COGNITIVE IMPAIRMENT AND PET: AN EVIDENCE-BASED APPROACH TO A CASE STUDY.**
LV Onofrei, R Wetherington and PC Heyn, Denver and Colorado Springs, CO. University of Colorado Health Sciences School of Medicine Abstract 307

- 2:45 **INTEGRATION OF AUTOMATION AND DATA MANAGEMENT TO AID IN FMRI ANALYSIS.**
D Buxton and J Brinkley, Seattle, WA. University of Washington Abstract 308
- 3:00 **SELF-REPORTED WRITTEN JAPANESE LANGUAGE ABILITY AND RISK FOR ANY DEMENTIA, ALZHEIMER'S DISEASE (AD) AND VASCULAR DEMENTIA (VD): THE HONOLULU ASIA AGING STUDY (HAAS).**
KN Arani, L Gibbons, L White and PK Crane, Seattle, WA and Honolulu, HI. University of Washington (WSMRF) Abstract 309

3:15 – 3:30 Intermission

- 3:30 **ONCOGENE ADDICTED MELANOMAS.**
B Behmanesh and M Kolodney, Pomona and Torrance, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific (WSMRF) Abstract 310
- 3:45 **USE OF AMNIOTIC MEMBRANE TRANSPLANTATION IN TRABECULECTOMY AND AHMED VALVE IMPLANTATION.**
M Saeedian and AJ Khodabakhsh, Beverly Hills, CA. David Geffen School of Medicine at UCLA Abstract 311
- 4:00 **ENSURING SUSTAINABILITY FOR THE BRIGHTER SMILES AFRICA PROGRAM IN UGANDA.**
Y Parpia, W Cannon, H Budden, A Macnab, C Ashton, N Blackie, N Jhamb, J Pisarek, J Moxley, S Toosi and A Kasangaki, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 312
- 4:15 **SUSTAINABLE INTERNATIONAL HEALTH: A STUDENT'S PERSPECTIVE.**
A Mills, V Kapoor, L Ambrose, A Ryan, E Pang, E Chau, S Jenneson, M Wlodarski, K Marquardt, J Kuo and E Lo, Vancouver, BC, Canada. University of British Columbia Abstract 313
- 4:30 **INTERNATIONAL COLLABORATION BETWEEN CANADIAN AND UGANDAN UNIVERSITY STUDENTS WITHIN A GLOBAL HEALTH INITIATIVE.**
S Toosi, W Cannon, H Budden, A Macnab, C Ashton, N Blackie, N Jhamb, Y Parpia, J Pisarek, J Moxley and J Cannon, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 314

STUDENT SCIENTIFIC SESSION VI

SURGERY I

WESTERN STUDENT MEDICAL RESEARCH FORUM

Monterey Beach Hotel – Pt. Alones

1:30 PM – 4:45 PM

Friday, February 1, 2008

- 1:30 **EFFECT OF VOCAL CORD HEIGHT ASYMMETRY ON THE AERODYNAMIC PROPERTIES OF PHONATION.**
D Shamouelian, J Neubauer, Z Zhang, GS Berke and DK Chhetri, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 315
- 1:45 **SELECTIVE USE OF INTRAOPERATIVE CELL SAVER MACHINES IN PEDIATRIC SPINAL SURGERY.**
S Gardner, M Eagan, A Scaduto and R Bowen, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 316
- 2:00 **HIGH-TENSION DOUBLE-ROW FOOTPRINT REPAIR VERSUS REDUCED-TENSION SINGLE-ROW REPAIR IN MASSIVE ROTATOR CUFF TEARS.**
A Brooks, B Domb, N ElAttrache and R Glousman, Los Angeles, CA and Chicago, IL. Keck School of Medicine of University of Southern California Abstract 317

- 2:15 **COMPARING THE EFFECTS OF INTERFERENCE TONES ON DISTORTION PRODUCT OTOACOUSTIC EMISSIONS IN RABBITS AND HUMANS USING LEVEL/PHASE MAPS.**
GH Kim, Loma Linda, CA. Loma Linda University Abstract 318
- 2:30 **DETERMINATION OF THE MAXIMAL STONE DIAMETER AND OPTIMAL DEVICE FOR INTACT PERCUTANEOUS STONE EXTRACTION.**
BJ Barker, L Schlunt, Z Simmons and D Baldwin, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 319
- 2:45 **TREATMENT OF THE DÉCOLLETÉ AREA IN FEMALES: PHYSICIAN PRESCRIBED SKIN CARE SYSTEMS AND FRACTIONAL LASER.**
MJ Matus, A Gabriel, S Gupta and T Wharton, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 320
- 3:00 **TECHNIQUES TO IMPROVE EARLY RECIPIENT GRAFT FUNCTION FOLLOWING HAND-ASSISTED LAPAROSCOPIC DONOR NEPHRECTOMY.**
J Chenoweth, DD Baldwin, P Baron, PJ Desai, CH Robson, F Jellison and O Ojogho, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 321

3:15 – 3:30 Intermission

- 3:30 **LONG-TERM MORBIDITY, PAIN AND DISABILITY FOLLOWING REPAIR OF SEVERE CHEST WALL INJURY.**
A Krocker, N Hoke, E Peck, R Mullins, B Ham and J Mayberry, Portland, OR. Oregon Health & Science University Abstract 322
- 3:45 **THE LIGAMENT OF WRISBERG, LATERAL DISCOID MENISCI, AND ASSOCIATED FINDINGS: A STUDY UTILIZING IMAGING AND ARTHROSCOPY.**
R Parikh, D Patel, G Rebello and S Kattapuram, Boston, MA and Brooklyn, NY. Massachusetts General Hospital Abstract 323
- 4:00 **RESULTS OF PTERYGIUM EXCISION USING AMNIOTIC MEMBRANE BENEATH THE HEALTHY CONJUNCTIVA SURROUNDING A CONJUNCTIVAL AUTOGRAFT.**
AS Behesnilian and JA Hovanesian, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 324
- 4:15 **GALLSTONE PANCREATITIS: PREDICTIVE VALUE OF SERUM TOTAL BILIRUBIN FOR COMMON BILE DUCT STONES.**
ES Lee, T Chan, D Rosing, R Lewis, A Yaghoubian and C de Virgilio, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 325
- 4:30 **(Withdrawn)** Abstract 326
- 4:45 **SCANNING, PRODUCTION AND CHARACTERIZATION OF HUMAN SCAFFOLDS FOR CARTILAGE TISSUE ENGINEERING.**
P Manson, J Szivek and N Webber, Tucson, AZ. University of Arizona (WAFMR) Abstract 327

BREAKFAST-WITH-THE-INVESIGATOR

Monterey Beach Hotel – La Grande Room

7:00 AM – 8:00 AM

Saturday, February 2, 2008

ACADEMIC CAREER DEVELOPMENT.

Jane Reusch, *University of Colorado Health Science Center*

TRANSLATIONAL RESEARCH: COMBINING LABORATORY AND CLINICAL MEDICINE.

David Fredricks, *University of Washington*

DON'T GIVE UP YOUR HOBBIES!

Robin Ohls, *University of New Mexico*

CONCURRENT SESSIONS
AND
STUDENT SCIENTIFIC SESSIONS

Saturday, February 2, 2008

8:30 AM

Jointly sponsored by

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

Cardiovascular III Il Forniao, Pine Inn
Endocrinology II Room#6, Sunset Center
Gastroenterology and Hepatology II Promenade Lobby, Sunset Center
Hematology and Oncology II Studio #105, Sunset Center
Immunology and Rheumatology II Chapman #4, Sunset Center
Metabolism III. Carlson Hall, Church of the Wayfarer
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 VII, VIII, IX, X, and XI

8:30 AM – 11:45 AM

STUDENT SCIENTIFIC SESSION VII Monterey Beach Hotel – Pt. Cabrillo
STUDENT SCIENTIFIC SESSION VIII Monterey Beach Hotel – Pt. Alone
STUDENT SCIENTIFIC SESSION IX Sunset Center – Bingham #3
STUDENT SCIENTIFIC SESSION X Sunset Center – Rehearsal Room
STUDENT SCIENTIFIC SESSION XI Sunset Center – Carpenter Hall

CARDIOVASCULAR III

Pine Inn, Il Forniao

Kevin O'Brien, Presiding

- 8:30 **ANAPHYLACTOID REACTION AND ITS TREATMENT AS A CAUSE OF AN ATYPICAL GLOBAL TAKO-TSUBO CARDIOMYOPATHY.**
M Fraley and D Ratliff, Albuquerque, NM. University of New Mexico Abstract 328
- 8:45 **LONG TERM RISKS OF STEROID WEANING AFTER HEART TRANSPLANTATION.**
A Vaidya, M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 329
- 9:00 **THE USE OF ALISKIREN, A NEW BLOOD PRESSURE MEDICATION, IN HEART TRANSPLANT PATIENTS.**
A Ankrom, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 330
- 9:15 **THE OUTCOME OF LOWER SOCIAL ECONOMIC STATUS AFTER HEART TRANSPLANTATION.**
D Patel, K Kiyosaki, M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 331
- 9:30 **REDUCTION IN MALIGNANCY WITH USE OF NEWER IMMUNOSUPPRESSIVE REGIMENS IN HEART TRANSPLANT PATIENTS.**
A Brown, J Kawano, M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 332
- 9:45 **THE OUTCOME OF SUCCESSFULLY TREATED PRE-TRANSPLANT SENSITIZED PATIENTS AFTER HEART TRANSPLANTATION.**
E Sue, M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 333

10:00 – 10:15 Intermission

- 10:15 **KIDNEY TRANSPLANT PROLONGS SURVIVAL IN PATIENTS WITH END STAGE KIDNEY DISEASE AFTER HEART TRANSPLANTATION.**
H Song, M Kawano, K Kiyosaki, D Patel, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 334
- 10:30 **HYPERCHOLESTEROLEMIA RESISTANT TO STATIN THERAPY IN FIRST YEAR AFTER TRANSPLANT IS HIGH RISK FOR FUTURE COMPLICATIONS.**
M Kawano, J Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 335
- 10:45 **ADVERSE EFFECTS OF SIROLIMUS VERSUS EVEROLIMUS AFTER HEART TRANSPLANTATION.**
S Carr, K Kiyosaki, A Ankrom, M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 336
- 11:00 **THE ECONOMIC OUTCOME OF HEART TRANSPLANTATION VERSUS MEDICAL THERAPY OF ADVANCED HEART FAILURE PATIENTS.**
M Yajnik, V Vaidya, M Kawano, A Ankrom, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 337
- 11:15 **REDUCED IMMUNE RESPONSE IN THE OLDER HEART TRANSPLANT PATIENT.**
B Simenhoff, M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 338
- 11:30 **PHOSPHOPROTEOMIC IMMUNE PROFILING IN ORTHOTOPIC HEART TRANSPLANT RECIPIENTS.**
M Mossanen, D Cruz, A Gregson and P Krutzik, Los Angeles and Stanford, CA. David Geffen School of Medicine at UCLA Abstract 339
- 11:45 **A SIMPLE BLOOD TEST TO ASSESS RISK FOR REJECTION/INFECTION IN HEART TRANSPLANT PATIENTS.**
K Kiyosaki and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 340

ENDOCRINOLOGY II

Sunset Center, Room #6

Kathryn Schuff and Joshua Thaler, Presiding

- 8:30 **HYPOTHALAMIC ATYPICAL PROTEIN KINASE C MEDIATES ENDOTOXIN-INDUCED INFLAMMATORY ANOREXIA.**
J Thaler, M Sajan, M Matsen, H Nguyen, R Farese and M Schwartz, Seattle, WA and Tampa, FL. University of Washington (WSCI Travel Award Winner) Abstract 341
- 8:45 **HYPOGLYCEMIA IN A PATIENT WITH ANTI-INSULIN RECEPTOR ANTIBODIES ASSOCIATED WITH SYSTEMIC LUPUS ERYTHEMATOSIS.**
Z Qiao and R Dorin, Albuquerque, NM. University of New Mexico (WAFMR) (Carmel Scholar Award Winner) Abstract 342
- 9:00 **EFFECT OF THIAZOLIDINEDIONE ADMINISTRATION ON BONE TURNOVER MARKERS IN HUMAN SUBJECTS WITH TYPE 2 DIABETES.**
TA Hovenic, J Andal, D Chau, U Sundaram and R Plodkowski, Reno, NV. University of Nevada School of Medicine (WSMRF) Abstract 343
- 9:15 **DIABETES MELLITUS TYPE 2 AND REACTIVE HYPOGLYCEMIA IN A PATIENT WITH MOSAIC PATTERN TURNER SYNDROME.**
S Mitchell and P Kapsner, Albuquerque, NM. University of New Mexico Abstract 344
- 9:30 **AGGRESSIVE PHEOCHROMOCYTOMA: A RARE PRESENTATION OF A RARE DISEASE SECONDARY TO A RARE GENETIC DISORDER. IS THERE A PLACE FOR INNOVATIVE MEDICAL THERAPIES?**
D Podolsky and K Collieran, Albuquerque, NM. University of New Mexico Abstract 345
- 9:45 **A CASE OF MISSED PHEOCHROMOCYTOMA ONE YEAR AFTER NEPHRECTOMY FOR RENAL TUBERCULOSIS.**
AV Pacheco and P Kapsner, Albuquerque, NM. University of New Mexico Abstract 346

10:00 – 10:15 Intermission

- 10:15 **PROLACTINOMA-CORRELATION OF SERUM PROLACTIN LEVELS WITH TUMOR SIZE POST DOPAMINE AGONIST TREATMENT.**
RM Dawson and P Kapsner, Albuquerque, NM. University of New Mexico Abstract 347
- 10:30 **1 α , 25-(OH) 2 D3 (1,25D) INHIBITS CELL PROLIFERATION AND PROMOTES CELL CYCLE ARREST WITHOUT INDUCING APOPTOSIS IN MULTIPOTENT CELLS.**
JN Artaza, M Braga and KC Norris, Los Angeles, CA. The Charles Drew University (WAFMR) Abstract 348
- 10:45 **1 α , 25-(OH) 2 D3 (1,25D) PROMOTES THE ADIPOGENIC COMMITMENT AND AN ANTI-FIBROTIC/ANTI-INFLAMMATORY PHENOTYPE IN C3H 10T1/2 MULTIPOTENT CELLS.**
JN Artaza and KC Norris, Los Angeles, CA. The Charles Drew University (WAFMR) (Carmel Scholar Award Winner) Abstract 349
- 11:00 **CEREBROSPINAL FLUID LEAK AFTER CABERGOLINE THERAPY.**
WC Chapin and M Fleseriu, Portland, OR. Oregon Health & Science University Abstract 350
- 11:15 **ARE LYMPHATICS IMPORTANT IN THE FATTY GROWTHS OF ADIPOSIS DOLOROSA? A CASE REPORT.**
SR Abeles, R Bendele and KL Herbst, San Diego, CA. University of California, San Diego Abstract 351

GASTROENTEROLOGY AND HEPATOLOGY II

Sunset Center, Promenade Lobby

Tom Ma and Jonathan A. Leighton, Presiding

- 8:30 **RESPONSE TO THERAPY WITH PEGYLATED INTERFERON AND RIBAVIRIN IN HISPANICS WITH HEPATITIS C INFECTION VERSUS NON-HISPANIC WHITES.**
S Yu, J Douglass, C Qualls, S Arora and J Dunkelberg, Albuquerque, NM. University of New Mexico (Carmel Scholar Award Winner) Abstract 352

- 8:45 **FIVE YEAR EXPERIENCE WITH TENOFOVIR FOR LAMIVUDINE RESISTANT HEPATITIS B VIRUS.**
A Dudekula, C Kulig, J Trotter and G Everson, Denver, CO. *University of Colorado Health Sciences Center (WSCI Travel Award Winner)* Abstract 353
- 9:00 **AN UNUSUAL CAUSE OF LIVER FAILURE IN A 17 YEAR OLD PREGNANT WOMAN.**
R Brandes, J Bunning and J Dunkelberg, Albuquerque, NM. *University of New Mexico (Carmel Scholar Award Winner)* Abstract 354
- 9:15 *State-of-the-Art Speaker*
BARITRIC SURGERY ALTERS GI SIGNALING OF SATIETY.
Henry Lin, *University of New Mexico*

10:00 – 10:15 Intermission

- 10:15 **CIPROFLOXACIN IN RABBITS INFECTED WITH A SHIGA-TOXIN (STX)-PRODUCING E. COLI (STEC) STRAIN LEADS TO WORSE CLINICAL OUTCOME AND INCREASED TOXIN RELEASE.**
A Serna, E O'Keefe, C Zhu and EC Boedeker, Albuquerque, NM. *University of New Mexico (Carmel Scholar Award Winner)* Abstract 355
- 10:30 **NEUTRALIZATION OF IL-17 WITH POLYCLONAL ANTI-IL-17 ANTIBODY ATTENUATES DEXTRAN SULFATE SODIUM-INDUCED COLITIS IN MICE.**
JS Meyrowitz, W Zhong, J Rosenbaum, D Pillers and Z Zhang, East Lansing, MI and Portland, OR. *Michigan State University (WSPR Lowell Glasgow Student Research Award Winner) (WSMRF)* Abstract 356
- 10:45 **ABSENCE OF PNEUMOCYSTIS CARINII PNEUMONIA IN LIVER TRANSPLANT RECIPIENTS USING A SHORT TERM (3-MONTH) PROPHYLACTIC REGIMEN.**
JM Lancaster, J Trotter, M Levi and T Steinberg, Denver, CO. *University of Colorado Health Sciences Center* Abstract 357
- 11:00 **IMMUNOHISTOCHEMICAL STAINING FOR THE TUMOR MARKERS P53, M1B, CAM5.2, CEA, CA19-9 AND ALCIAN BLUE/PAS INCREASES THE DIAGNOSTIC YIELD OF BILE DUCT BIOPSIES FROM PATIENTS WITH SUSPECTED MALIGNANCY.**
AW Jahng, JM Nieto, D Chung, S Reicher, B Pham, R Venegas, S French and V Eysselein, Torrance, CA. *Harbor-UCLA* Abstract 358

HEMATOLOGY AND ONCOLOGY II

Sunset Center, Studio 105

Bill Schubach, Presiding

- 8:30 **MAPPING OF A CANDIDATE SUPRATENTORIAL PRIMITIVE NEUROECTODERMAL TUMOR LOCUS ON CHR19Q.**
ZA Fang, K Lee and A Huang, Vancouver, BC, Canada and Toronto, ON, Canada. *University of British Columbia (WSMRF)* Abstract 359
- 8:45 **THE ROLE OF NRF2-REGULATED GENES IN CHEMORESISTANCE OF MESOTHELIOMA.**
CL Nguyen, H Gao, A Campbell, A Pham, X Bi, L Guanghong, Z Hu, J Abad and Y Huang, Pomona and Duarte, CA. *Western University of Health Science (WSMRF)* Abstract 360
- 9:00 **SURFACE EXPRESSION OF CD40 ON HUMAN MELANOMA AND THE DIRECT IN VITRO GROWTH EFFECTS OF AN ANTI-CD40 AGONIST ANTIBODY, CP-870,893.**
A Kalbasi, B Chmielowski and A Ribas, Los Angeles, CA. *UCLA David Geffen School of Medicine* Abstract 361
- 9:15 **IDENTIFICATION OF HEMANGIOBLAST FORMATION FROM HUMAN EMBRYONIC STEM CELL.**
JS Lee, E Carrier and S Takayasu, Downey and La Jolla, CA. *Western University of Health Sciences* Abstract 362
- 9:30 **IN VITRO DRUG SENSITIVITY AS A PREDICTIVE TOOL OF EARLY CLINICAL RESPONSE IN CHILDHOOD ACUTE LYMPHOBLASTIC LEUKEMIA.**
FC Galderisi, L Stork, J Li, M Mori, S Mongoue-Tchokote and J Huang, Portland, OR. *Oregon Health & Science University (WSCI Travel Award Winner)* Abstract 363
- 9:45 **THE NOVEL MULTI-TARGETED RECEPTOR TYROSINE KINASE INHIBITOR MP470 INHIBITS SYNOVIAL SARCOMA PROLIFERATION IN VITRO.**
D Combs, LD Cranmer and KT Trevor, Tucson, AZ. *University of Arizona (WAFMR)* Abstract 364

10:00 – 10:15 Intermission

- 10:15 *State-of-the-Art Speaker*
STEM CELL GENE THERAPY: RISKY THERAPIES FOR BAD DISEASES.
 Robert E. Richard, *University of Washington/VA Puget Sound Health Care Center*
- 10:45 **DUTASTERIDE EFFECTS ON GENES ASSOCIATED WITH PROSTATE CANCER PROGRESSION: IMPLICATIONS FOR PROSTATE CANCER CHEMOPREVENTION.**
 L Geng, E Mostaghel, R Coleman and P Nelson, Seattle, WA. *University of Washington School of Medicine (WSMRF)* Abstract 365
- 11:00 **EVALUATION OF FAILURE PATTERNS IN NON-SMALL CELL LUNG CANCER.**
 J Pakish, P Yen, P Sarah, T Quang, N Bittner, R Martins, D Wood, K Eaton, L Carr, M Mulligan and S Patel, Seattle, WA. *University of Washington* Abstract 366
- 11:15 **OVARIAN CLEAR CELL CARCINOMA - AN EXAMINATION OF RELAPSES.**
 P Nguyen and F Wong, Vancouver, BC, Canada and Surrey, BC, Canada. *University of British Columbia* Abstract 367
- 11:30 **PROGNOSTIC INDICATORS FOR BONE METASTASES IN MEN WITH PROSTATE CANCER.**
 B Rezvani and E Yu, Seattle, WA. *University of Washington (WSMRF)* Abstract 368
- 11:45 **DEPRESSION IN WOMEN RECEIVING CHEMOTHERAPY FOR BREAST CANCER.**
 J Reece, J Herbert and J Fann, Seattle, WA. *University of Washington School of Medicine* Abstract 369

IMMUNOLOGY AND RHEUMATOLOGY II***Sunset Center, Chapman #4***Kevin Deane, *Presiding*

- 8:30 **EXOGENOUS REACTIVE OXYGEN SPECIES (ROS) FAIL TO INDUCE NEUTROPHIL EXTRACELLULAR TRAP (NET) FORMATION IN PMNs ISOLATED FROM NEWBORN INFANTS.**
 CC Yost, MJ Cody, NL Thornton, KH Albertine, AS Weyrich and GA Zimmerman, Salt Lake City, UT. *University of Utah (WSPR) (Carmel Scholar Award Winner)* Abstract 370
- 8:45 **PLATELETS ALTER NEUTROPHIL EXTRACELLULAR TRAP FORMATION.**
 N Thornton, M Cody, A Weyrich, G Zimmerman and C Yost, Salt Lake City, UT. *University of Utah (WSPR) (Carmel Scholar Award Winner)* Abstract 371
- 9:00 **CELLULAR PENETRATION AND LOCALIZATION OF THE ANTI-GUANOSINE ANTIBODY 4H2.**
 BT Andersen, L Green and K Colburn, Loma Linda, CA. *Loma Linda University (Carmel Scholar Award Winner)* Abstract 372
- 9:15 **REGULATORY T CELLS FROM TRANSGENIC MICE EXPRESS MULTIPLE T CELL RECEPTORS, CONFOUNDING STUDIES OF THEIR ANTIGEN SPECIFICITY.**
 JS Kirche, SM Weber, JB Buhman, RM Kedl and RG Gill, Denver, CO and Edmonton, AB, Canada. *University of Colorado Health Sciences Center (WSMRF)* Abstract 373
- 9:30 **THE EFFECT OF LEUKOCYTE IMMUNOGLOBULIN-LIKE RECEPTOR A2 ON CYTOKINE/CHEMOKINE PRODUCTION IN HUMAN PERIPHERAL BLOOD MONOCYTES.**
 J Lee, RJ Carbone, RL Modlin and DJ Lee, Los Angeles, CA. *Charles R. Drew University of Medicine and Science/ David Geffen School of Medicine at UCLA (WSMRF)* Abstract 374
- 9:45 **INTEGRATION OF SAFETY TECHNOLOGIES INTO RHEUMATOLOGY AND ORTHOPEDIC PRACTICE: A RANDOMIZED, CONTROLLED TRIAL.**
 A Peisajovich, GR Moorjani, KS Park, AA Michael, WL Sibbitt and AD Bankhurst, Albuquerque, NM. *University of New Mexico Health Sciences Center* Abstract 375

10:00 – 10:15 Intermission

- 10:15 **THE ROLE OF TGF-ALPHA AND VITAMIN D IN KERATINOCYTE HOST DEFENSE.**
 CG Senavsky, LS Miller and RL Modlin, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 376

- 10:30 **CYTOMEGALOVIRUS (CMV) INFECTION IN LARGE VESSEL VASCULITIS: IS IT A CAUSATIVE AGENT?**
S Mehdi, C Leehealey, B Andrews and J Tencati, Orange, CA. *University of California, Irvine* Abstract 377
- 10:45 **CIRCULATING ANGIOGENIC AND ANGIOSTATIC FACTORS IN SYSTEMIC SCLEROSIS.**
K Tran, A Meredith, B Whalen, S van Eeden and J Dunne, Vancouver, BC, Canada. *University of British Columbia (WSMRF)* Abstract 378

METABOLISM III

Church of the Wayfarer, Carlson Hall

Cecilia C. Wang, Presiding

- 8:30 **CENTRAL MELANOCORTIN BLOCKADE ATTENUATES CARDIAC CACHEXIA IN A RAT MODEL OF CHRONIC HEART FAILURE.**
AK Batra, JM Scarlett, DD Bowe, X Zhu, WF Grant and DL Marks, Portland, OR. *Oregon Health & Science University (WSMRF)* Abstract 379
- 8:45 **NITRIC OXIDE PRODUCTION IN HUMAN CORPUS CAVERNOSAL ENDOTHELIAL CELLS: ROLE OF ADIPONECTIN AND ADIPONECTIN RECEPTORS.**
BY Kim, K Engel, M Beardall, E Maloney and K Chitaley, Seattle, WA. *University of Washington (WSMRF)* Abstract 380
- 9:00 **METABOLIC PARAMETERS IN FEMALE MONKEYS CHRONICALLY EXPOSED TO HYPERANDROGENIC HORMONAL MILIEU.**
A Bahar, J Cameron and RL Stouffer, Portland, OR and Beaverton, OR. *Oregon Health & Science University (Carmel Scholar Award Winner)* Abstract 381
- 9:15 **GROWTH AND ENERGY INTAKES OF INFANTS WITH SMITH-LEMLI-OPITZ SYNDROME (SLOS).**
R Steiner, W Connor, J Jordan and D Stadler, Portland, OR. *Oregon Health & Science University (WSPR)* Abstract 382
- 9:30 **PREVALENCE OF METABOLIC SYNDROME IN CANADIAN FIRST NATIONS CHILDREN LIVING ON THE REMOTE PACIFIC COAST.**
A Zorzi, G Wahi, A Macnab and C Panagiotopoulos, Vancouver, BC, Canada. *University of British Columbia* Abstract 383
- 9:45 **A PREDICTIVE MODEL FOR TYPE 1 VS. TYPE 2 DIABETES AT PRESENTATION IN PEDIATRIC POPULATIONS.**
T Tseng, J Braden, G Gildengorin, J Johnson, S Bhatia, N Glaser and J Noble, Sacramento, CA and Oakland, CA. *University of California, Davis* Abstract 384
- 10:00 **MEASURED AND NON-HDL BASED LDL IN HYPERTRIGLYCERIDEMIA: WHICH ONE TO TARGET?**
J Huang, V Pall, W Gu, G Twitchell, R Mallios, J Bettinger and A Cohen, Fresno, CA. *VACCHCS-Fresno* Abstract 385
- 10:15 **DIABETES MANAGEMENT IN METLAKATLA, ALASKA.**
J Kenny, Seattle, WA. *University of Washington (WSMRF)* Abstract 386

NEONATOLOGY – DEVELOPMENTAL BIOLOGY

All Saints Church, Auditorium

Laura Brown and Robert Lane, Presiding

- 8:30 **UTEROPLACENTAL INSUFFICIENCY DOWN-REGULATES KIDNEY VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF).**
MC Baserga, AL Bares, MA Hale, C Calloway, M Robert and RH Lane, Salt Lake City, UT. *University of Utah (Mead Johnson Travel Award Winner) (WSPR)* Abstract 387
- 8:45 **IN UTERO NICOTINE EXPOSURE DISRUPTS PARATHYROID HORMONE-RELATED PROTEIN (PTHRP) SIGNALING IN THE DEVELOPING KIDNEY AND IMPAIRS NEPHROGENESIS.**
E Shin, S Fonseca, A Wasti, Y Wang, R Sakurai, JS Torday and VK Rehan, Torrance, CA. *Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center* Abstract 388

- 9:00 **MODULATION OF MESENCHYMAL STEM CELL (MSC) PARATHYROID HORMONE-RELATED PROTEIN (PTHRP)/PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA (PPAR γ) SIGNALING FOR LUNG INJURY/REPAIR.**
P Guo, Y Wang, R Sakurai, L Cerny, JS Torday and VK Rehan, Torrance, CA. Los Angeles Biomedical Research Institute at Harbor-UCLA Medical Center Abstract 389
- 9:15 **INTRAUTERINE GROWTH RESTRICTION ALTERS PPAR γ 1 AND - γ 2 EXPRESSION AND PROTEIN LEVELS IN THE RAT LUNG.**
L Joss-Moore, J Forsyth, CW Callaway, X Yu, M Desai, V Rehan, R McKnight, LJ Moyer-Mileur and RH Lane, Salt Lake City, UT and Torrance, CA. University of Utah (Carmel Scholar Award Winner) Abstract 390
- 9:30 *State-of-the-Art Speaker*
LONG-TERM EFFECTS OF NEONATAL STRESS (AND HOW WE TREAT IT).
Sandra Juul, University of Washington

10:00 – 10:15 Intermission

- 10:15 **POSTNATAL STRESS AND MORPHINE INTERACT TO AFFECT CEREBRAL N-METHYLD-ASPARTATE RECEPTOR SUBTYPE AND MU-OPIATE RECEPTOR-1 EXPRESSION AT ADULTHOOD.**
M Schober, R McKnight, C Gleason, R McPherson, S Juul and R Lane, Salt Lake City, UT and Seattle, WA. University of Utah Abstract 391
- 10:30 **NEONATAL STRESS REDUCES CEREBRAL CYP19A1 EXPRESSION.**
SP O'Grady, D Caprau, M Hale, L Moyer-Mileur, R McPherson, C Callaway, R McKnight, S Juul and R Lane, Salt Lake City, UT and Seattle, WA. University of Utah (Mead Johnson Travel Award Winner) (WSPR) Abstract 392
- 10:45 **IUGR ALTERS THE DNA METHYLATION AND THE HISTONE CODE IN THE PROMOTER REGION OF THE HIPPOCAMPAL IGF1R.**
DM Caprau, X Ke, SP O'Grady, C Callaway, MA Hale, X Yu, RA McKnight and RH Lane, Salt Lake City, UT. University of Utah (WSPR) Abstract 393
- 11:00 **MATERNAL ZINC DEFICIENCY AFFECTS GROWTH, INSULIN-LIKE GROWTH FACTOR-I, AND GLUCOSE HOMEOSTASIS IN RAT PUPS.**
M Jou, B Lönnerdal and AF Philipps, Davis, CA. University of California, Davis Abstract 394
- 11:15 **QUANTITATIVE MEASURE OF EPSILON GLOBIN GENE EXPRESSION AS A MARKER FOR FETAL NUCLEIC ACID.**
V Manuel, SH McConaghy, MJ Rowe, R Hodnick and RK Ohls, Albuquerque, NM and Des Moines, IA. University of New Mexico (Carmel Scholar Award Winner) Abstract 395
- 11:30 **INTRAUTERINE GROWTH RESTRICTION ALTERS EXPRESSION OF TRANSFORMING GROWTH FACTOR BETA ISOFORMS AND RECEPTORS IN A GENDER DEPENDENT MANNER.**
AJ Zabrocki, RH Lane, RA McKnight, S O'Grady, D Caprau, C Callaway, MA Hale, X Yu and H Fu, Salt Lake City, UT. University of Utah (Carmel Scholar Award Winner) Abstract 396
- 11:45 **IUGR DECREASES PGC-1 ALPHA MRNA AND PROTEIN EXPRESSION IN D0 RAT BRAIN.**
N Mitchell, S O'Grady, D Caprau, Y Contreras, M Hale, X Yu, C Callaway, X Ke, R McKnight and R Lane, Salt Lake City, UT. University of Utah (Carmel Scholar Award Winner) Abstract 397

NEUROSCIENCE II

Sunset Center, Conductor's Room

Marie Chesselet and Edward Wagner, Presiding

- 8:30 **ESTROGEN AND PROGESTERONE PROMOTE PROLIFERATION AND CELL CYCLING IN DEVELOPING MOUSE CORTEX.**
A Morgan, A Lewis, F Ermini, S McConnell and A Penn, Stanford, CA. Stanford University (Mead Johnson Travel Award Winner) Abstract 398

- 8:45 **IUGR ALTERS HIPPOCAMPAL DUAL SPECIFICITY PHOSPHATASE 5 GENE EXPRESSION IN NEWBORN AND JUVENILE RATS.**
X Ke, R McKnight, Q Fu, X Yu, C Callaway and R Lane, Salt Lake City, UT. *University of Utah (Carmel Scholar Award Winner)* Abstract 399
- 9:00 **HISTONE ACETYLATION OF VENTRICULAR WHITE MATTER IS AFFECTED BY VENTILATION MODE IN PRETERM LAMBS.**
J Alvord, L Dong, M Dahl, C Callaway, R McKnight, D Null, B Yoder, R Lane and K Albertine, Salt Lake City, UT. *University of Utah (WSMRF)* Abstract 400
- 9:15 **HIND LIMB RECOVERY OF SOLEUS MUSCLE IN T8 TRANSECTED RATS WITH PULSE FIELD MAGNETIC STIMULATION TREATMENT.**
A Ehsan, Y Lee and V Lin, Long Beach, CA and Irvine, CA. *University of California, Irvine* Abstract 401
- 9:30 **HELICAL COMPUTED TOMOGRAPHY ANGIOGRAPHY IN THE PRE TREATMENT EVALUATION OF PATIENTS WITH CEREBRAL ANEURYSMS - COMPARISON TO ROTATIONAL ANGIOGRAPHY.**
J Chung, G Duckwiler, R Jahan, F Vinuela, J Sayre and P Villablanca, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 402
- 9:45 **RELATIONSHIP BETWEEN EPITHELIAL MEMBRANE PROTEIN 2 (EMP2) AND FOCAL ADHESION KINASE (FAK) IN EYES AFFECTED BY PROLIFERATIVE VITREORETINOPATHY (PVR).**
SC Kim, L Gordon and M Wadehra, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 403

10:00 – 10:15 Intermission

- 10:15 **DOPAMINE MODULATES GLUTAMATE RELEASE FROM PREFRONTAL CORTICAL PROJECTIONS TO THE NUCLEUS ACCUMBENS CORE.**
A Bhansali, J Towne, D Dever and NS Bamford, Seattle, WA. *University of Washington* Abstract 404
- 10:30 **A POTENTIAL ANIMAL MODEL TO STUDY THE PHYSIOLOGY OF AUTISM.**
LA Heise and A Allan, Albuquerque, NM. *University of New Mexico* Abstract 405
- 10:45 **CHANGES IN PRO-BRAIN DERIVED NEUROTROPHIC FACTOR (BDNF) LEVELS IN MICE PRENATALLY EXPOSED TO ETHANOL.**
N Spence, M Roehlk and A Allan, Albuquerque, NM. *University of New Mexico* Abstract 406

- 11:00 *State-of-the-Art Speaker*
GENDER DIFFERENCES IN THE CANNABINOID REGULATION OF ENERGY HOMEOSTASIS: RELEVANCE TO THERAPEUTIC INDICATIONS IN TREATING EATING DISORDERS IN MEN AND WOMEN.
Edward Wagner, *Western University of Health Sciences*

PULMONARY AND CRITICAL CARE II

Carmel Women's Club

Michel Boivin and Mark Looney, Presiding

- 8:30 **DEAD-SPACE VENTILATION AND V02MAX MEASURED BY CARDIOPULMONARY EXERCISE STRESS TESTING CORRELATE WITH PATIENT PERCEPTION OF FITNESS.**
T Pinkert, G Nielsen, J Eaton, J Williams, J Dawson and J Lucas, Kamuela, HI. *North Hawaii Community Hospital* Abstract 407
- 8:45 **VOLUMETRIC CO₂ MONITORING TO DETERMINE SUCCESSFUL LIBERATION FROM MECHANICAL VENTILATION.**
E Hekier, G Scott, J Newhart, J Emerick, P Chiles and T Morris, San Diego, CA. *University of California, San Diego (CTS) (Huntington Beach Internal Medicine Group Fellowship and Carmel Scholar Award Winner)* Abstract 408
- 9:00 **A DYNAMIC CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) SEVERITY SCORE PREDICTS LONGITUDINAL HEALTH-CARE UTILIZATION.**
TA Omachi, PD Blanc, EH Yelin, PP Katz and MD Eisner, San Francisco, CA. *University of California, San Francisco (Huntington Beach Internal Medicine Group Fellowship and Carmel Scholar Award Winner)* Abstract 409
- 9:15 **TRANSITION TO ORAL VASODILATOR THERAPY FOR SEVERE PULMONARY ARTERIAL HYPERTENSION (PAH) - A SINGLE CENTER SERIES.**
MS Sidhu, R Saggar, JA Belperio, R Saggar, JP Lynch III, S Weigt, DA Zisman and DJ Ross, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 410

- 9:30 **HYDROCORTISONE ADMINISTRATION IN THE HYPOTENSIVE VERY LOW BIRTH WEIGHT INFANT: THE EFFECT OF STUDY METHODOLOGY ON MEASURED ASSOCIATIONS.**
S Higgins, I Seri and P Friedlich, Los Angeles, CA. University of Southern California (WSMRF) Abstract 411
- 9:45 **DYSPHAGIA FROM EXTERNAL LYMPH NODE COMPRESSION OF ESOPHAGUS IN SARCOIDOSIS.**
H Bhakthavatsalam, S Kaushik, A Matin and S Niranjana, Brooklyn, NY. Coney Island Hospital Abstract 412

10:00 – 10:15 Intermission

- 10:15 *State-of-the-Art Speaker*
TRANSLATIONAL INSIGHTS INTO TRANSFUSION ASSOCIATED LUNG INJURY.
Mark Looney, University of California, San Francisco
- 11:15 **LEVEL OF CYTOKINE PRODUCTION IS ASSOCIATED WITH THE CLINICAL COURSE OF CYSTIC FIBROSIS (CF) PATIENTS.**
AM Yu, T Chin and E Nussbaum, Irvine and Long Beach, CA. University of California, Irvine Abstract 413
- 11:30 **PSEUDOMONAS AERUGINOSA ADAPTATION TO AIRWAY INFLAMMATION IN CYSTIC FIBROSIS.**
B Staudinger, H Rosen and P Singh, Seattle, WA. University of Washington Abstract 414
- 11:45 **THE EFFECT OF HYDROCORTISONE ADMINISTRATION ON HYPOTENSION AND VASOPRESSOR ADMINISTRATION IN VERY LOW BIRTH WEIGHT INFANTS: A META-ANALYSIS.**
S Higgins, P Friedlich and I Seri, Los Angeles, CA. University of Southern California (WSMRF) Abstract 415

SURGERY II

Sunset Center, Green Room

Kishore Mulpuri and Darin Davidson, Presiding

- 8:30 **COMPARISON OF BONE INGROWTH INTO SCAFFOLDS WITH SIMPLE AND NOVEL BIOMIMETIC POROUS ARCHITECTURES.**
C Geffre, J Szivek and D Margolis, Tucson, AZ. University of Arizona (WAFMR) Abstract 416
- 8:45 **POLYMETHYLMETHACRYLATE BONE CEMENT PARTICLES INHIBIT MC3T3-E1 OSTEOPROGENITOR DIFFERENTIATION IN VITRO.**
R Chiu, RL Smith and SB Goodman, Stanford, CA. Stanford University School of Medicine (WSMRF) Abstract 417
- 9:00 **ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE WEAR DEBRIS SUPPRESSES OSTEOBLASTIC DIFFERENTIATION OF BONE MARROW OSTEOPROGENITORS AND MC3T3-E1 PREOSTEOBLASTS IN VITRO.**
R Chiu, RL Smith and SB Goodman, Stanford, CA. Stanford University School of Medicine (WSMRF) Abstract 418
- 9:15 **CPC COATED STRAIN GAUGES CAN MONITOR IN VIVO BONE STRAIN IN A MOUSE.**
D Margolis, C Geffre, J Szivek, L Lai and Y Lien, Tucson, AZ. University of Arizona (WAFMR) Abstract 419
- 9:30 **OSTEOGENIC POTENTIAL OF BMP2 AND BMP6: A COMPARATIVE STUDY OF IN-VITRO DIFFERENTIATION OF PMSC GENETICALLY MODIFIED BY A NON-VIRAL APPROACH.**
J Frank, W Tawackoli, F Talasazan, D Gazit and Z Gazit, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 420
- 9:45 **COMBINED PH-IMPEDANCE MONITORING OF REFLUX IN PATIENTS WITH RESPIRATORY DISEASE.**
L Ding, AV Martin and R Tatum, Seattle, WA. University of Washington (WSMRF) Abstract 421

10:00 – 10:15 Intermission

- 10:15 **OUTCOMES OF LAPAROSCOPIC ASSISTED TRANSHIATAL ESOPHAGECTOMY FOR ADENOCARCINOMA OF THE ESOPHAGUS.**
K Chambers, MI Montenegro, CA Pellegrini and BK Oelschlager, Seattle, WA. University of Washington Abstract 422

- 10:30 **OUTCOMES ASSOCIATED WITH THE USE OF RECOMBINANT ACTIVATED FACTOR VII FOLLOWING PEDIATRIC CARDIAC SURGERY.**
M Finkbeiner, JG LeBlanc, DJ Gunning, LD Scheepers and AI Campbell, Vancouver, BC, Canada. *University of British Columbia* Abstract 423
- 10:45 **HYPOTENSIVE ANESTHESIA REVISITED: IS IT WORTH THE RISK?**
S Gardner, M Eagan, A Scaduto and R Bowen, Los Angeles, CA. *David Geffen School of Medicine, UCLA* Abstract 424
- 11:00 **ANTECEDENT SIMULATION TRAINING ACCELERATES LEARNING OF SHOULDER ARTHROSCOPY.**
JR Kirkham, SL Slaney, A Chamberlain, CJ Wahl and LA Taitsman, Seattle, WA. *University of Washington (WAFMR/WSCI Subspecialty Award Winner)* Abstract 425
- 11:15 **CLINICAL FOLLOW-UP OF THROWERS UNDERGOING ULNAR COLLATERAL LIGAMENT RECONSTRUCTION USING THE KERLAN-JOBE ORTHOPAEDIC CLINIC SHOULDER AND ELBOW SCORE.**
A Brooks, B Domb, K Mohr, N ElAttrache, L Yocum, F Jobe and J Davis, Los Angeles, CA and Chicago, IL. *Keck School of Medicine, University of Southern California* Abstract 426
- 11:30 **FULL CHARACTERIZATION OF THE STANCE PHASE IN NORMAL WALKING GAIT: A ROBOTIC CADAVERIC FLATFOOT MODEL.**
L Jackson, P Aubin, M Cowley, B Sangeorzan and W Ledoux, Seattle, WA. *University of Washington* Abstract 427
- 11:45 **KINEMATIC ANALYSIS OF ADJACENT SEGMENT DEGENERATION IN THE CERVICAL SPINE USING DYNAMIC MRI.**
RM Martin, Y Morishita, SW Hong and JC Wang, Los Angeles, CA. *University of California at Los Angeles* Abstract 428

STUDENT SCIENTIFIC SESSION VII

HEALTH CARE RESEARCH AND COMMUNITY MEDICINE

WESTERN STUDENT MEDICAL RESEARCH FORUM

Monterey Beach Hotel – Pt. Cabrillo

8:30 AM – 11:45 AM

Saturday, February 2, 2008

- 8:30 **INCREASING BREAST AND CERVICAL CANCER PREVENTIVE HEALTH AWARENESS AMONG AT-RISK PATIENT POPULATIONS IN KENT, WA.**
L LaBrant, Seattle, WA. *University of Washington (WSMRF)* Abstract 429
- 8:45 **HPV VACCINE EDUCATION IN LEWISTOWN, MT.**
MC Wilson, Seattle, WA. *University of Washington (WSMRF)* Abstract 430
- 9:00 **DOMESTIC VIOLENCE IN JUNEAU, AK: CONNECTIONS TO THE CLINIC.**
S Reed, Seattle, WA. *University of Washington (WSMRF)* Abstract 431
- 9:15 **DECREASING PRESCRIPTION DRUG ABUSE BY TEENAGERS IN ST. MARIES, IDAHO THROUGH COMMUNITY EDUCATION.**
B Byrne, Seattle, WA. *University of Washington (WSMRF)* Abstract 432
- 9:30 **DESCRIPTIVE ANALYSIS OF MEDICAL WARD ADMISSIONS AT BELAU NATIONAL HOSPITAL.**
N Nielsen, R Schneeweiss and S Lalabalau, Seattle, WA and Koror, Palau. *University of Washington (WSMRF)* Abstract 433
- 9:45 **PSYCHOSOCIAL STRESS DURING PREGNANCY.**
S Madden Woods, J Melville, A Gavin, Y Guo, A Cesaitis and W Katon, Seattle, WA and Bethesda, MD. *University of Washington (WSMRF)* Abstract 434

10:00 – 10:15 Intermission

- 10:15 **EVALUATION OF A COMMUNITY HEALTH WORKER PROJECT IN THREE GUATEMALAN VILLAGES.**
S Leonard, S Hartman, J Hooper, L Ponce and P Simpson, Albuquerque, NM. *University of New Mexico* Abstract 435

- 10:30 **DEVELOPMENT AND EVALUATION OF A PATIENT EDUCATION PROGRAM FOR THE VERTICAL AUTO PROFILE CHOLESTEROL TEST.**
KD Eaton, Reno, NV. University of Nevada School of Medicine (WSMRF) Abstract 436
- 10:45 **SCREENING FOR MELANOMA IN HIGH-RISK PATIENTS: USEFUL OR USELESS?**
KD Eaton, K Sax and C Lamerson, Reno, NV. University of Nevada School of Medicine (WSMRF) Abstract 437
- 11:00 **IMPLEMENTATION OF A NEW UNDERGRADUATE RADIOLOGY CURRICULUM: EXPERIENCE AT THE UNIVERSITY OF BRITISH COLUMBIA.**
A Eftekhari, T Chandler, D Hou, J Lee, S Nicolaou and N Muller, Vancouver, BC, Canada. University of British Columbia Abstract 438
- 11:15 **GLOBAL HEALTH: ARE COMMUNITY DEVELOPMENT AND STUDENT EDUCATION MUTUALLY EXCLUSIVE?**
G Walton, J Smitten, S Yeong, A Mills, A Ryan, L Ambrose, J Chiles, A Watchorn, V Kapoor and A Macnab, Vancouver, BC, Canada. University of British Columbia Abstract 439
- 11:30 **PALLIATIVE CARE SERVICES IN FAMILIES OF YOUNG MEN WITH DUCHENNE MUSCULAR DYSTROPHY.**
RA Arias, J Andrews, C Cunniff, F Meaney, M Davis and S Pandya, Tucson, AZ. University of Arizona (WAFMR) Abstract 440

STUDENT SCIENTIFIC SESSION VIII

SURGERY II

WESTERN STUDENT MEDICAL RESEARCH FORUM

Monterey Beach Hotel – Pt. Alones

8:30 AM – 11:45 AM

Saturday, February 2, 2008

- 8:30 **COMPARING LONG-TERM OUTCOMES OF GASTRECTOMY AND REDO-FUNDOPLICATION FOR RECURRENT GASTROESOPHAGEAL REFLUX DISEASES.**
M Lin, S Ahad and B Oelschlager, Seattle, WA. University of Washington (WSMRF) Abstract 441
- 8:45 **THE USE OF NEOADJUVANT CHEMOTHERAPY FOR TREATMENT IN SURGICALLY RESECTED SOFT-TISSUE SARCOMAS.**
JM Stanfield, AM Cizik, JK White and EU Conrad, Seattle, WA. University of Washington (WSMRF) Abstract 442
- 9:00 **FUNCTIONAL OUTCOME AND SEXUAL DYSFUNCTION FOLLOWING RESECTION OF THE SACRUM.**
L Poppler, A Cizik and EU Conrad, Seattle, WA. University of Washington (WSMRF) Abstract 443
- 9:15 **EXTERNAL FIXATION OF PUBIC SYMPHYSIS DIASTASIS FROM POSTPARTUM TRAUMA, A CASE REPORT.**
VC Wu and JL Chang, Pomona, CA and Los Angeles, CA. Western University, College of Osteopathic Medicine of the Pacific Abstract 444
- 9:30 **EFFICACY OF ANAL FISTULA PLUG & FIBRIN GLUE VERSUS CONVENTIONAL TREATMENT IN CLOSURE OF COMPLEX ANAL FISTULAS.**
W Chung, P Kazemi and T Phang, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 445
- 9:45 **OSTEOTOMY FOR DIAPHYSEAL MALUNION IN PATIENTS WITH END-STAGE OSTEOARTHRITIS OF THE KNEE.**
A Ghag, P Blachut, H Broekhuysse, P Guy, R Meek and P O'Brien, Vancouver, BC, Canada. University of British Columbia Abstract 446

10:00 – 10:15 Intermission

- 10:15 **EARLY EFFECT OF BOTULINUM TOXIN TYPE A ON ANKLE RANGE OF MOTION IN CHILDREN DIAGNOSED WITH SEVERE IDIOPATHIC TOE WALKING.**
VI Lau, M De Vera and C Alvarez, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 447

- 10:30 **DESIGN AND INTEGRATION OF ONLINE CASE BASED INTERACTIVE MULTIMEDIA PROBLEM ORIENTED LEARNING IN UROLOGY USING STANDARDISED SOFTWARE FOR USE BY BOTH JUNIOR MEDICAL STUDENTS DURING THE RENAL BASIC SCIENCE BLOCK AND SENIOR MEDICAL STUDENTS DURING CLINICAL CLERKSHIP.**
CJ Zappavigna, A Efetekhari, D French, K Choi, A Pelman, M Robinson, B Runkle, J Shimizu, A Vawda, M Longpre, K Hennessey, D Rapoport, J Masterson and SL Goldenberg, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 448
- 10:45 **SYNTHESIS AND BIOCOMPATIBILITY OF A NOVEL SCAFFOLD FROM APATITE-COATED MICROSPHERES.**
HE Davis, R Rao and JK Leach, Davis, CA. University of California (WSMRF) Abstract 449
- 11:00 **RISK FACTORS FOR DELIRIUM FOLLOWING MAJOR TRAUMA.**
EM Angles, TN Robinson and WL Biffl, Denver, CO. University of Colorado (WSMRF) Abstract 450
- 11:15 **THE EFFECT OF HYPERBARIC OXYGEN INDUCED IL-6 ON TNF α , IL-1 AND NEUTROPHIL POLARIZATION AND ADHESION.**
MR Krainock, DA Scott, LL Stephenson, WZ Wang, KT Khiabani and WA Zamboni, Las Vegas, NV. University of Nevada School of Medicine Abstract 451
- 11:30 **NECROSIS AND APOPTOSIS IN CELLS ISOLATED FROM RAT SKELETAL MUSCLE FOLLOWING ISCHEMIA AND REPERFUSION.**
JL Cartinella, X Fang, LL Stephenson, KT Khiabani, WA Zamboni and WZ Wang, Reno, and Las Vegas, NV. University of Nevada School of Medicine Abstract 452

STUDENT SCIENTIFIC SESSION IX

CARDIOLOGY

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center – Bingham #3

8:30 AM – 10:45 AM

Saturday, February 2, 2008

- 8:30 **METHODS TO REGULATE ADRENERGIC NEUROVASCULAR TONE TO REDUCE SYMPTOM LEVELS.**
J Hwang, R Barndt, S Jagtap and A Cho, Downey, CA. Bethel Public Service Clinic (WAFMR) Abstract 453
- 8:45 **ADRENERGIC NEUROVASCULAR TONE: A CORONARY RISK FACTOR IN NORMOTENSIVE PEOPLE.**
J Hwang, R Barndt, S Jagtap and A Cho, Downey, CA. Bethel Public Service Clinic Abstract 454
- 9:00 **PREVENTION OF CORONARY COLLAGEN PROGRESSION DURING CALCIUM THERAPY IN TYPE A WOMEN.**
S Jagtap, R Barndt, J Hwang and A Stavrakis, Downey, CA. Bethel Public Service Clinic Abstract 455
- 9:15 **EMPLOYMENT AFTER HEART TRANSPLANTATION AND THE EFFECTS OF GOVERNMENTAL HEALTH INSURANCE POLICIES.**
E Kobashigawa, K Kiyosaki, U Duong, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 456

9:30 – 9:45 Intermission

- 9:45 **CLINICAL AND MORPHOLOGICAL CHARACTERISTICS OF ACCELERATED TRANSPLANT CORONARY ARTERY DISEASE (TCAD) IN HUMAN GRAFTS.**
K Palatnik, W Lu, J Kobashigawa and MC Fishbein, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 457
- 10:00 **SURGICAL OUTCOMES IN ADULTS WITH EBSTEIN'S ANOMALY OF THE TRICUSPID VALVE.**
V Lance, P Poommipanit, JS Child and J Aboulhosn, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 458

- 10:15 **POST TRAUMATIC STRESS DISORDER, PSYCHIATRIC DISORDERS AND CARDIO-VASCULAR RISKS IN A VA OUTPATIENT POPULATION. (Unable to present)**
E Park, V Pall, G Twitchell, R Mallios and J Huang, Pomona and Fresno, CA. Western University Health Science Abstract 459
- 10:30 **THE EFFECT OF WEIGHT LOSS ON CONVENTIONAL AND ADVANCED LIPID MARKERS.**
AS Young and N Doherty, Claremont, CA. Western University of Health Sciences, College of Osteopathic Medicine of the Pacific Abstract 460

STUDENT SCIENTIFIC SESSION X

HEMATOLOGY AND ONCOLOGY

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center – Rehearsal Room

8:30 AM – 11:00 AM

Saturday, February 2, 2008

- 8:30 **HEPATOCELLULAR CARCINOMA ONCOGENIC PROTEIN GANKYRIN OVEREXPRESSED IN BREAST CARCINOMA.**
GF D'Souza, G Evans and S Dhar, Orange, CA. University of California, Irvine School of Medicine, Aesthetics and Plastic Surgery Institute (WSMRF) Abstract 461
- 8:45 **A STUDY OF COLLAGEN (ALPHA1)XI V1B AS A NOVEL MARKER OF MAST CELLS IN NORMAL AND CANCER-ASSOCIATED PROSTATE TISSUE STROMA.**
KC Halsted, K Bowen, S Luman, J Thom Oxford, W Fyffe and JD Kronz, Nampa and Boise, ID. Northwest Nazarene University (WSMRF) Abstract 462
- 9:00 **INVESTIGATION OF PULMONARY FUNCTION IN NON-SMALL CELL LUNG CANCER. (Unable to present)**
P Yen, J Pakish, S Pierce, T Quang, N Bittner, K Eaton, L Carr, R Martins and S Patel, Seattle, WA. University of Washington Abstract 463
- 9:15 **EFFECTS OF TOBACCO SMOKING ON SURVIVAL IN INDIVIDUALS DIAGNOSED WITH NASOPHARYNGEAL CARCINOMA.**
HM Patel, SI Ou and J Zell, Pomona and Irvine, CA. Western University Abstract 464

9:30 – 9:45 Intermission

- 9:45 **RELATIVE ULNA LENGTH AND ESTROGEN EXPOSURE: POTENTIAL BIOMARKER OF BREAST CANCER?**
JC Chang, T Hayes and JT Martin, Pomona and Downey, CA. Western University of Health Sciences Abstract 465
- 10:00 **LINKING THE RELATIONSHIP BETWEEN BIRTH ORDER AND BREAST CANCER.**
BJ Teran, JT Martin and V Agarwal, Pomona, CA. Western University of Health Sciences (WSMRF) Abstract 466
- 10:15 **POSSIBLE ROLE OF 2ND TO 4TH DIGIT RATIOS (2D:4D) AS A MARKER FOR BREAST CANCER RISK.**
JS Chhabra, R Toussi, J Martin, R Rico and V Davis, Pomona and Colton, CA. College of Osteopathic Medicine, Western University of Health Sciences Abstract 467
- 10:30 **FLUCTUATING ASYMMETRY OF THE UPPER EXTREMITY IN WOMEN WITH BREAST CANCER.**
A Chang, J Zweig and JT Martin, Pomona and Long Beach, CA. Western University of Health Sciences: College of Osteopathic Medicine of the Pacific (WSMRF) Abstract 468
- 10:45 **SELF-REPORTED CHILDHOOD AGGRESSION AND ITS RELATIONSHIP TO BREAST CANCER.**
R Toussi, J Chhabra, R Rico, JT Martin and V Davis, Pomona and Colton, CA. Western University of Health Sciences, COMP Abstract 469

STUDENT SCIENTIFIC SESSION XI

NEONATAL AND PULMONARY

WESTERN STUDENT MEDICAL RESEARCH FORUM

Sunset Center – Carpenter Hall

8:30 AM – 11:15 AM

Saturday, February 2, 2008

- 8:30 **TIME-DEPENDENT EFFECTS OF CHROMIUM MESOPORPHYRIN ON THE INHIBITION OF HEME OXYGENASE ACTIVITY IN NEWBORN MICE.**
HH Xiao, T Morisawa, RJ Wong and DK Stevenson, Stanford, CA. Stanford University Abstract 470
- 8:45 **INFASURF TREATMENT OF EXPERIMENTAL MECONIUM ASPIRATION IN RATS.**
Z Sacks, JL Iwanicki, W Tausch and K Lu, San Francisco, CA. University of California, San Francisco (WSMRF) Abstract 471
- 9:00 **EARLY APPARENT LIFE THREATENING EVENTS ADMITTED TO AN NICU.**
SK Sandhu, JE Hodgman and L Barton, Los Angeles, CA. University of Southern California Keck School of Medicine (WSMRF) Abstract 472
- 9:15 **INTRALOBAR PULMONARY SEQUESTRATION WITH ANOMALOUS SYSTEMIC ARTERIAL SUPPLY ILLUSTRATED BY ANGIOGRAPHY: A CASE REPORT AND REVIEW OF THE LITERATURE.**
J Rose, A Barleben and A Abolhoda, Irvine, CA. University of California, Irvine School of Medicine Abstract 473
- 9:30 **CARCINOEMBRYONIC CELL ADHESION MOLECULE 6: A NEW HUMAN SURFACTANT ASSOCIATED PROTEIN. (Moved to Neonatal Pulmonary at 12:00 pm)**
CJ Chapin, LW Gonzales, N Bailey, JD Merrill, RA Ballard and PL Ballard, San Francisco, CA; Philadelphia, PA and Oakland, CA. University of California, San Francisco Abstract 474

9:45 – 10:00 Intermission

- 10:00 **VENTILATION MODE ALTERS EXPRESSION OF AN IGF-1 TRANSCRIPT IN PRETERM LAMB LUNG.**
D Metcalfe, R McKnight, L Dong, J Alvord, M Dahl, D Null, B Yoder, R Lane and K Albertine, Salt Lake City, UT. University of Utah (WSMRF) Abstract 475
- 10:15 **VENTILATION MODE ALTERS HISTONE ACETYLATION IN PRETERM LAMB LUNG.**
S Amundsen, D Metcalfe, R McKnight, L Dong, J Alvord, M Dahl, D Null, B Yoder, R Lane and K Albertine, Salt Lake City, UT. University of Utah (WSMRF) Abstract 476
- 10:30 **JAK1 EXPRESSION IS RESTORED IN THE LUNG FOLLOWING RETINOID TREATMENT OF CHRONICALLY VENTILATED PRETERM LAMBS.**
J Atkin, D Metcalfe, R McKnight, L Dong, J Alvord, M Dahl, D Null, B Yoder, R Lane and K Albertine, Salt Lake City, UT. University of Utah (WSMRF) Abstract 477
- 10:45 **PHOSPHORYLATION OF VASODILATOR STIMULATED PHOSPHOPROTEIN (VASP) IN THE LAMB MODEL OF BPD.**
M Dahl, M Yoshigi, J Alvord, L Dong, S Snitkoff, ZM Wang, K Yasuda and K Albertine, Salt Lake City, UT. University of Utah (WSPR) Abstract 478
- 11:00 **BRONCHOPULMONARY MALFORMATIONS: THE UTILITY OF COMPUTED TOMOGRAPHY IMAGING IN DELINEATING PATHOLOGY AND PLANNING SURGICAL RESECTION.**
R Taylor, M Seear, D Jamieson and GK Blair, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 479

RESIDENT'S FORUM

Monterey Beach Hotel – Pt Pinos

8:30 AM – 10:00 AM

Saturday, February 2, 2008

WELCOME – Brian Jonas, Residents' Chair

- 8:30 CORONARY SPASM AFTER HEART TRANSPLANTATION.**
B Itagaki, M Kawano, M Hamilton and J Kobashigawa, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 480
- 8:45 THROMBOPHAGOCYTOSIS AND PLATELET SATELLITISM IN RHABDOMYOLYSIS, AN UNUSUAL CASE OF THROMBOCYTOPENIA.**
DL Collins and J Huang, Fresno, CA. University of California, Fresno Abstract 481
- 9:00 TUBEROUS SCLEROSIS COMPLEX IN A PATIENT WITH EPILEPSY, DEVELOPMENTAL DELAY AND NORMAL NEUROIMAGING. (Unable to present)**
D Gano, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 482
- 9:15 THE EXTREME SCREENING.**
S Kamat and L Shah, Las Vegas, NV. University of Nevada School of Medicine Abstract 483
- 9:30 MYSTERIES OF SHOCK.**
S Kamat and L Shah, Las Vegas, NV. University of Nevada School of Medicine Abstract 484
- 9:45 LAPAROSCOPIC RETRIEVAL OF TRICHOBEZOAR: CASE REPORT AND REVIEW OF THE LITERATURE.**
A Barleben, M Sina-Khadiv and N Nguyen, Orange, CA. University of California, Irvine Abstract 485

CALIFORNIA THORACIC SOCIETY – SESSION II

Carmel Women's Club

1:30 PM – 5:30 PM

Saturday, February 2, 2008

Russell C. Klein, Presiding

MANAGING SARCOIDOSIS

- 1:30 FELLOW CASE PRESENTATION**
Kamyar Afshar, Keck School of Medicine, LAC and University of Southern California Medical Center
- 2:00 FACULTY EXPERT**
Om Sharma, Keck School of Medicine, LAC and University of Southern California Medical Center
- 2:40 BREAK**
- CHILDHOOD ANTECEDENTS OF ADULT PULMONARY DISEASE**
- 3:00 FELLOW CASE PRESENTATION**
Natalie M. Pageler, Stanford University
- 3:30 FACULTY EXPERT**
David N. Cornfield, Stanford University
- 4:15 BREAK**
- 4:25 CTS MASTER CLINICIAN LECTURE**
EVIDENCE-BASED GUIDELINES FOR PULMONARY REHABILITATION
John E. Hodgkin, St. Helena Center for Health
- 5:15 WRAP-UP AND CONCLUSIONS**
- 5:30 ADJOURNMENT**

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