

Carmel, California
January 25–28, 2012

TIME	ACTIVITY & LOCATION
WEDNESDAY, JANUARY 25, 2012	
1:00 pm–5:00 pm	Faculty and Fellow Registration Entry Lobby – Sunset Center
1:00 pm–5:00 pm	Speaker Ready Room Sunset Center
3:00 pm–5:00 pm	WSPR Council Meeting Pine Inn
THURSDAY, JANUARY 26, 2012	
8:00 am–5:00 pm	Faculty and Fellow Registration Student and Resident Registration Entry Lobby – Sunset Center
7:00 am–5:00 pm	Speaker Ready Room Sunset Center
8:30 am–11:15 am	Joint Plenary Session I WAFMR, WSCI, WAP, and WSPR Regenerative Medicine and Award Presentations WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award WSPR Abbott Nutrition Lowell Glasgow Student Research Award WSPR Abbott Nutrition Young Investigator Research Award E.E. Osgood Award Sunset Center – Theater
11:30 am–12:00 pm	WSCI Business Meeting Sunset Center – Theater
11:30 am–12:00 pm	WSPR Business Meeting Sunset Center – Theater
11:30 am–1:30 pm	WAP Council Meeting <i>(invited attendees only)</i> Forge in the Forest (SW corner 5th Avenue & Junipero Street)
12:00 pm–1:15 pm	New Investigator Workshops <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i> Navigating your academic career: Finding your niche and keeping the balance Marc-Andre Cornier, <i>University of Colorado</i> Sunset Center – Bingham #3 Grant Writing Gregory Brent, <i>David Geffen School of Medicine at UCLA</i> Sunset Center – Chapman #4
1:00 pm–5:00 pm 1:30 pm–4:15 pm 1:15 pm–5:15 pm 1:00 pm–5:00 pm 1:30 pm–5:00 pm 1:30 pm–4:30 pm 1:30 pm–5:30 pm 1:30 pm–5:30 pm 1:30 pm–4:00 pm	Concurrent Sessions Adolescent and Pediatrics - Chapman #4, Sunset Center Behavior and Development – Bingham #3, Sunset Center Cardiovascular I – Ocean Avenue Room, Pine Inn Endocrinology and Metabolism I – Carlson Hall, Church of the Wayfarer Genetics – Carpenter Hall, Sunset Center Health Care Research I – Promenade Lobby, Sunset Center Hematology and Oncology I – Studio 105, Sunset Center Maternal and Infant Medicine - Room #6, Sunset Center Neonatal Pulmonary I – All Saints Church, Sanctuary Neonatology General I – All Saints Church, Auditorium Neuroscience I – Conductor’s Room, Sunset Center Surgery I – Green Room, Sunset Center
5:30 pm–7:00 pm	Welcome Reception and Student Award Posters, Pizza, and Beer <i>Jointly sponsored by</i> WAFMR, WAP, WSCI, WSMRF, and WSPR <i>All welcome and encouraged to attend</i> Carmel Women’s Club

DOI: 10.2311/JIM.0b013e318240c7c9

7:00 pm–9:00 pm	Abbott Nutrition WSPR Reception <i>Open to all WSPR members, trainees, and guests</i> Pine Inn
7:00 pm–9:00 pm	WAFMR Business Meeting
7:00 pm–9:00 pm	WSCI Council Meeting Sunset Center – Bingham #3
FRIDAY, JANUARY 27, 2012	
7:00 am–8:00 am	Breakfast-with-the-Investigator Monterey Beach Hotel – Captain’s Table
7:00 am–5:00 pm	Speaker Ready Room Sunset Center
8:00 am–5:00 pm	Faculty and Fellow Registration Student and Resident Registration Entry Lobby – Sunset Center
8:30 am–11:45 am	WAP Symposium <i>Sponsored by WAP</i> Stem Cell Therapeutics for the Cardiovascular System: Hope or Hype Sunset Center – Theater
10:30 am–11:30 am	WSMRF Officers Meeting Sunset Center – Green Room
11:45 am–12:00 pm	WAP Business Meeting Sunset Center – Theater
12:00 pm–1:30 pm	Society Officers Planning Luncheon Meeting <i>(invited attendees only)</i> Forge in the Forest (SW corner 5th Avenue & Junipero Street)
12:15 pm–1:15 pm	Investigator Workshops <i>(Intended for Fellows and Jr. Faculty – Lunch included)</i> Navigating your academic career: Finding your niche and keeping the balance Marc-Andre Cornier, University of Colorado Sunset Center – Bingham #3 Grant Writing Gregory Brent, <i>David Geffen School of Medicine at UCLA</i> Sunset Center – Chapman #4
1:00 pm–4:00 pm	California Thoracic Society Meeting Sleep Apnea Carmel Mission Inn
1:00 pm–5:00 pm 1:30 pm–5:15 pm 1:30 pm–5:15 pm 1:15 pm–5:15 pm 1:30 pm–4:45 pm 1:30 pm–4:45 pm 1:30 pm–3:45 pm 1:30 pm–4:30 pm 1:30 pm–4:45 pm 1:00 pm–5:00 pm 1:00 pm–5:15 pm 1:30 pm–4:30 pm 1:30 pm–5:30 pm	Concurrent Sessions Cardiovascular II – Ocean Avenue Room, Pine Inn Endocrinology and Metabolism II– Carlson Hall, Church of the Wayfarer Gastroenterology and Hepatology – Green Room, Sunset Center Health Care Education and Communication – Rehearsal Room, Sunset Center Health Care Research II – Promenade Lobby, Sunset Center Hematology Oncology and Surgery – Chapman #4, Sunset Center Immunology and Rheumatology I – Studio 105, Sunset Center Infectious Diseases – Room #6, Sunset Center International and Immigrant Health Issues –Bingham Room #3, Sunset Center Morphogenesis and Malformations – Carpenter Hall, Sunset Center Neonatology Developmental Biology – All Saints Church, Sanctuary Neonatology General II – All Saints Church, Auditorium Nephrology and Hypertension – Conductor’s Room, Sunset Center Pulmonary and Critical Care – Carmel Women’s Club
5:00 pm–6:00 pm	Developmental Biology Club Sunset Center – Carpenter Hall
6:00 pm–7:30 pm	Dysmorphology Club Sunset Center – Carpenter Hall
6:00 pm–9:00 pm	Carmel Scholar Award Event <i>(Jr. Faculty/Fellows and their Mentors by invitation only)</i> Sunset Center
6:15 pm–9:00 pm	Western Perinatal Club Ocean Avenue Room – Pine Inn

6:30 pm–9:30 pm	UBC Departments of Pediatrics and Pediatric Surgery Celebration of Student Research Dinner (UBC Students and Faculty Only) Il Fornaio Restaurant – Pine Inn
SATURDAY, JANUARY 28, 2012	
7:00 am–8:00 am	Breakfast-with-the-Investigator Monterey Beach Hotel – Captain's Table
7:00 am–4:30 pm	Speaker Ready Room Sunset Center
8:00 am–2:00 pm 7:00 am–11:00 am	Faculty and Fellow Registration Student and Resident Registration Entry Lobby – Sunset Center California Thoracic Society Registration Carmel Mission Inn
8:30 am–12:00 pm	Joint Plenary Session II WAFMR, WSCI, WAP, and WSPR Regenerative Medicine WAP Distinguished Lectureship WSPR Stanley Wright Memorial Lecture WSCI Mayo Soley Award Sunset Center – Theater
8:00 am–5:00 pm	California Thoracic Society Meeting Pneumonia and Nurses/RCP/NP Workshop Carmel Mission Inn
12:30 pm–1:30 pm	Residents' Luncheon Carpenter Hall, Sunset Center
1:00 pm–5:00 pm 1:00 pm–5:15 pm 1:15 pm–5:15 pm 1:30 pm–4:15 pm 1:30 pm–4:45 pm 1:30 pm–5:15 pm 1:30 pm–3:15 pm 1:30 pm–4:15 pm 1:30 pm–4:15 pm	Concurrent Sessions Adolescent Medicine and General Pediatrics – All Saints Church, Auditorium Endocrinology and Metabolism III – Carlson Hall, Church of the Wayfarer Exercise and Health Maintenance – Rehearsal Room, Sunset Center General Internal Medicine and Aging – Promenade Lobby, Sunset Center Hematology and Oncology II – Studio 105, Sunset Center Immunology and Rheumatology II – Chapman #4, Sunset Center Neonatal Pulmonary II – All Saints Church, Sanctuary Neuroscience II – Conductor's Room, Sunset Center Surgery II – Green Room, Sunset Center Surgical Procedures – Bingham Room #3, Sunset Center
5:00 pm–6:30 pm	WSMRF Committee Meeting Monterey Beach Hotel – Captain's Table
6:00 pm–9:00 pm	West Coast Endocrine Club Ocean Avenue Room – Pine Inn
6:30 pm–9:00 pm	Western Student Medical Research Forum Awards Banquet Monterey Beach Hotel – Points Ballroom

CONTINUING MEDICAL EDUCATION INFORMATION

STATEMENT OF NEED

Medical research is advancing at a rapid pace providing for a plethora of research data which can inform clinical practice. The breadth and scope of this research is so large that periodically physicians need to analyze the emerging trends and inform the specialties as to which ones have the most potential for impacting patient care. Regenerative medicine and stem cell therapy are among these rapidly advancing research areas.

TARGET AUDIENCE

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

OVERVIEW AND OBJECTIVES

The goal of this activity is to improve patient care and research by increasing physician competence in evaluating the current trends in emerging research to inform clinical practice, practice management decisions and future research needs.

Learner Objectives

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

- Critically evaluate the emerging translational and clinical research.
- Discuss new developments in pathophysiology of human disease with colleagues.
- Identify the trends in the developing guidelines and evidence-based state of the art in the specialties which may affect practice management and patient treatment decisions.
- Identify new areas of investigation which will inform research and improve patient care.
- Discuss the future development possible from current research trends.
- Assess research trends as they relate to the mentoring process and collaboration with colleagues and junior investigators.

Outcomes

Predicted changes in practice and/or research as a result of this activity are: ...

- Determine which strategies are appropriate for incorporation into clinical practice.
- Conduct a research assessment to determine if any of the strategies and trends could be extended and/or improved by further research and/or collaborative projects.
- Engage in the mentoring process for young investigators.
- Identify a possible collaborator (mentor or mentee) for research advancement.

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

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

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

PROCEDURE FOR CLAIMING *AMA PRA CATEGORY 1 CREDIT™*

The evaluation link will automatically be sent to those who have pre-registered.

For those who have purchased the *AMA PRA Category 1 Credits™*, the credit verification form will be included. If you do not get an email from Tulane University by *Monday, January 30, 2012*, please contact cme@tulane.edu. If you registered and paid onsite, you will receive your link by the end of the following week after the staff returns to the office.

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

TULANE DISCLOSURE POLICY

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

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

Eric Adler
Kurt Albertine
Caroline Barangan
Fritz Bech
Anita Beck
Curt Bennett
C. Anthony Blau
Michel Boivin
Matt Bouchounville
Virginia Broudy
Fred Buckner
Alex Chen
Eric Cheng
Marie-Francoise Chesselet
Keith Colburn
Donald Dafoe
Kevin Deane
Tom DeLoughery
Laurel Desnick
Christopher Evans

Erica Fernandez
Karen Foster-Schubert
David Fredricks
Shai Friedland
Camille Fung
Jeffrey Glenn
David Gremse
Aida Habetzion
S. Mitchell Harman
Emil Heinze
Jerome Hershman
An-Fu Hsiao
Jocelyn James
Lisa Joss-Moore
Roberta Keller
Alberta Kong
Anna Lehman
Carlin Long
Javier E. Lopez
Rajnish Mehrotra

George Merriam
H. Bryant Nguyen
Susanne Nicholas
Madeleine Pahl
Jonathan Purnell
Carlos Ramos
Neda Rasouli
David Roesel
Alan Rope
Katya Rubinow
Fred Sattler
Bob Schelonka
Michael Schivo
Kathryn Schuff
Savitha Subramaniam
John Torday
Edward Wagner
Mary Willis
Clyde Wright
Amir Zeki

SPECIALTY ANNOUNCEMENTS

Friday, January 27, 2012

DEVELOPMENTAL BIOLOGY CLUB

5:00 PM–6:00 PM

Carpenter Hall – Sunset Center

David W. Smith Memorial Lecture

Tolerance/susceptibility to hypoxia: New insights from *Drosophila melanogaster*

Featured Speaker: Gabriel G. Haddad, University of California, San Diego

Contact person: David Rimoin

Sponsored by Mead Johnson Nutrition

This session is not certified for *AMA PRA Category 1 Credit*[™]

DYSMORPHOLOGY CLUB

6:00 PM–7:30 PM

Carpenter Hall – Sunset Center

Genetic Unknowns and Rare Knowns

Contact person: Louanne Hudgins

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

This session is not certified for *AMA PRA Category 1 Credit*[™]

WESTERN PERINATAL CLUB

Sponsored by the Perinatal Sections of AAP Districts VIII and IX and The California Association of Neonatologists

6:15 PM–9:00 PM

Ocean Avenue Room – Pine Inn

Perinatal Briefing

Mechanical Ventilation of the Newborn: Reflections on the Early Stanford Experience

Featured Speaker: Philip Sunshine, Emeritus Professor of Pediatrics, Stanford University School of Medicine

Supported by Mead Johnson Nutrition

This session is not certified for *AMA PRA Category 1 Credit*[™]

Saturday, January 28, 2012

WEST COAST ENDOCRINE CLUB

6:00 PM–9:00 PM

Ocean Avenue Room – Pine Inn
Reception and Scientific Program
All Welcome

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

Balancing Growth Hormone and Estrogen Treatment for Optimal Growth in Girls with Turner's Syndrome: New Results and New Insights

Featured Speaker: Gordon B. Cutler, Jr., Head, Emeritus, Section on Developmental Endocrinology Section, NICHD, National Institutes of Health

Wine, Cheese and Light Refreshments

Supported by an unrestricted educational grant from Novo Nordisk

This session is not certified for AMA PRA Category 1 Credit™

JOINT PLENARY SESSION I

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

Regenerative Medicine

Sunset Center Theater

8:30 AM–11:15 AM

Thursday, January 26, 2012

Neda Rasouli and David Gremse, Presiding

- 8:30 WSPR ABBOTT NUTRITION DAVID W. SMITH PEDIATRIC TRAINEE RESEARCH AWARD*
A DOUBLE BLIND, PLACEBO CONTROLLED, CROSSOVER TRIAL OF MINOCYCLINE IN CHILDREN WITH FRAGILE X SYNDROME.
M Leigh, D Nguyen, T Winarni, D Hessl, S Rivera, T Chechi and R Hagerman, Sacramento, CA; Davis, CA and Semarang, Indonesia. MIND Institute, University of California Davis (WSPR) Abstract 1
- 8:45 WSPR ABBOTT NUTRITION LOWELL GLASGOW STUDENT RESEARCH AWARD*
MAPPING GLUCOSE TRANSPORTER-1 POSITIVE NERVE FIBERS IN THE TRANSITIONAL ZONE OF HIRSCHSPRUNG DISEASE.
A Kennedy and R Kapur, Seattle, WA. University of Washington School of Medicine Abstract 2
- 9:00 E. E. OSGOOD AWARD
MIR-9, A TUMOR SUPPRESSOR MICRORNA, TARGETS ADHERENCE JUNCTION PROTEINS RESULTING IN SKIN SQUAMOUS CELL CARCINOMA: IMPLICATIONS FOR METASTASIS AND CHEMORESISTANCE.
A Reddi, R White and X Wang, Denver, CO. University of Colorado, School of Medicine (WSMRF) Abstract 3
- 9:15 WAFMR OUTSTANDING INVESTIGATOR AWARD
DIFFERENTIAL BRAIN, HORMONE, AND SATIETY RESPONSES TO GLUCOSE AND FRUCTOSE INGESTION.
K Page, J Arora, R Belfort-DeAguiar, RT Constable and R Sherwin, Los Angeles, CA and New Haven, CT. University of Southern California Abstract 4

9:45–10:00 Intermission

- 10:00 WSCI OUTSTANDING INVESTIGATOR AWARD
INTEGRATING RESEARCH INTO HIV/STD PUBLIC HEALTH PRACTICE.
Matthew Golden, University of Washington
- 10:45 WSPR ABBOTT NUTRITION YOUNG INVESTIGATOR RESEARCH AWARD LONG-TERM RISK OF CHRONIC KIDNEY DISEASE IN CHILDREN SURVIVING EPISODES OF ACUTE KIDNEY INJURY.
Cherry Mammen, University of British Columbia
- 11:15 ADJOURN

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

INVESTIGATOR WORKSHOPS

12:00 PM–1:15 PM
Thursday, January 26, 2012

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

Sunset Center – Bingham #3

Navigating your academic career: Finding your niche and keeping the balance
 Marc-Andre Cornier, *University of Colorado*

Sunset Center – Chapman #4

Grant Writing
 Greg Brent, *David Geffen School of Medicine at UCLA*

CONCURRENT SESSIONS

Thursday, January 26, 2012
1:00 PM

Jointly sponsored by

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

Adolescent and Pediatrics.....	Chapman #4, Sunset Center
Behavior and Development.....	Bingham Room #3, Sunset Center
Cardiovascular I.....	Ocean Avenue Room, Pine Inn
Endocrinology and Metabolism I.....	Carlson Hall, Church of the Wayfarer
Genetics.....	Carpenter Hall, Sunset Center
Health Care Research I.....	Promenade Lobby, Sunset Center
Hematology and Oncology I.....	Studio 105, Sunset Center
Maternal and Infant Medicine.....	Room #6, Sunset Center
Neonatal Pulmonary I.....	All Saints Church, Sanctuary
Neonatology General I.....	All Saints Church, Auditorium
Neuroscience I.....	Conductor’s Room, Sunset Center
Surgery I.....	Green Room, Sunset Center

Adolescent and Pediatrics
 Sunset Center, Chapman Room #4
Jocelyn James, Presiding

1:30	HEALTH SCREENS - EVALUATING HEALTH CARE INTERVENTIONS IN NORTHERN INDIAN SCHOOLCHILDREN.	
	<i>L Armstrong, B Brar, B Hartley, S Westberg and V Kapoor, Vancouver, BC, Canada. University of British Columbia</i>	Abstract 5
1:45	THE EFFECTIVENESS OF STUDENT HEALTH EDUCATION IN REMOTE NORTHERN INDIA.	
	<i>MA Benusic, A Babuk, N Von Alkier, L Armstrong, B Brar, B Hartley, S Westberg and V Kapoor, Vancouver, BC, Canada. University of British Columbia (WSMRF)</i>	Abstract 6
2:00	THE MEDICAL SCHOLARS TEACHING AREA RURAL STUDENTS PROGRAM EFFECTIVELY INCREASES RURAL YOUTH INTENTION TO GRADUATE HIGH SCHOOL.	
	<i>M Brown and J Hunt, Albuquerque, NM. University of New Mexico School of Medicine</i>	Abstract 7
2:15	PROMOTING THE INTEREST OF UNDER-REPRESENTED YOUTH IN HEALTH CARE THROUGH SMALL CLASS SIZE AND EXPERIMENT-DRIVEN INTERACTIVE LEARNING.	
	<i>A Fogel, T Norwood and B Afghani, Irvine, CA. University of California Irvine</i>	Abstract 8

- 2:30 ADDRESSING CHILDHOOD OBESITY IN TULALIP, WA.**
GZ Gottlieb, Seattle, WA. *University of Washington School of Medicine* Abstract 9
- 2:45 SMOKELESS TOBACCO EDUCATION ON TEEN ATHLETES IN CODY, WYOMING.**
D Higuera, Seattle, WA. *University of Washington Medical School* Abstract 10
- 3:00 PROVIDING TEENS A ROADMAP TO HEALTHY LIVING TO PREVENT OBESITY IN CENTRALIA, WASHINGTON.**
EY Mar, Seattle, WA. *University of Washington* Abstract 11

3:15–3:30 Intermission

- 3:30 ADOLESCENT DEPRESSION AND SUICIDE AWARENESS: TRAINING STUDENT LEADERS IN MOSES LAKE, WASHINGTON.**
D Paul, Seattle, WA. *University of Washington School of Medicine (WSMRF)* Abstract 12
- 3:45 PARTNERSHIP WITH THE DISCOVERY SCIENCE CENTER: TOWARDS INCREASING DIVERSITY IN HEALTH CARE AND BIOMEDICAL FIELDS.**
J Tran, S Gaffar, M Koussa, U Patel, J Yamaguchi and B Afghani, Orange, CA and Santa Ana, CA. *UC Irvine School of Medicine* Abstract 13
- 4:00 NOVEL PHYSICAL ACTIVITIES TO FOSTER LEARNING AND ENGAGEMENT IN YOUTH.**
M Bardi, L Chow, T Berg, A Burbank, J Smitten, H Louie, W Cannon and AJ Macnab, Vancouver, BC, Canada. *University of British Columbia* Abstract 14
- 4:15 PRESTERNAL DERMOID CYST MIMICKING LYMPHATIC MALFORMATION.**
T Berry and A Smidt, Albuquerque, NM. *University of New Mexico Hospital* Abstract 15
- 4:30 PROTECTING YOUR MELON: HELMET SAFETY FOR THE YOUTH OF BUTTE.**
LD Irwin, Seattle, WA. *University of Washington (WSMRF)* Abstract 16
- 4:45 PEDIATRIC FLEXOR TENDON INJURIES: A 10 YEAR ANALYSIS AT BC CHILDREN'S HOSPITAL.**
MA Lai, S Sikora and J Arneja, Vancouver, BC, Canada. *University of British Columbia* Abstract 17

Behavior and Development

Sunset Center, Bingham Room #3

F. Curt Bennett and Robin Hansen, Presiding

- 1:30 TRISOMY X: EXPANDING THE PHENOTYPE.**
C D'Epagnier, N Ayari, R Boada and N Tartaglia, Aurora, CO. *University of Colorado School of Medicine (WSMRF)* Abstract 18
- 1:45 SLEEP PROBLEMS IN SEX CHROMOSOME ANEUPLOIDY AND RELATIONSHIP WITH ASMT EXPRESSION.**
V Patel, T Katz, F Tassone and N Tartaglia, Aurora, CO and Sacramento, CA. *University of Colorado School of Medicine* Abstract 19
- 2:00 REASONS FOR HOSPITALIZATION IN CHILDREN WITH CEREBRAL PALSY AND DOWN SYNDROME ACROSS CHILDHOOD.**
A Nayfack, J Chan, L Huffman, H Feldman and P Wise, Stanford, CA. *Stanford University (WSPR Mead Johnson Travel Award Winner)* Abstract 20
- 2:15 A DOUBLE BLIND, PLACEBO CONTROLLED, CROSSOVER TRIAL OF MINOCYCLINE IN CHILDREN WITH FRAGILE X SYNDROME.**
M Leigh, D Nguyen, T Winarni, D Hessel, S Rivera, T Chechi and R Hagerman, Sacramento, CA; Davis, CA and Semarang, Indonesia. *MIND Institute, University of California Davis (WSPR Abbott Nutrition David W. Smith Pediatric Trainee Research Award Winner) (WSPR)* Abstract 21

2:30–2:45 Intermission

- 2:45 State-of-the-Art Speaker**
TARGETED TREATMENTS FOR FRAGILE X AND AUTISM.
Randi Hagerman, *University of California, Davis*
- 3:15 COMPARISON OF PERINATAL COMPLICATIONS AND LONG-TERM OUTCOME FOR INFANTS LESS THAN 501 GRAMS COMPARED TO 601-800 GRAMS BIRTH WEIGHT.**
H Kilbride, L O'Hanlon and K Claffin, Kansas City, MO. *University of Missouri-Kansas City School of Medicine (WSPR)* Abstract 22
- 3:30 WITHDRAWN** Abstract 23
- 3:45 AUDITORY SENSORY GATING IN CHILDHOOD ONSET SCHIZOPHRENIA PATIENTS DURING REM SLEEP.**
P Wei, S Hunter and R Ross, Golden, CO. *University of Colorado School of Medicine* Abstract 24
- 4:00 INFANT BIOMARKERS OF VULNERABILITY TO SCHIZOPHRENIA: SACCADIC INTRUSIONS INTO SMOOTH PURSUIT EYE MOVEMENTS IN GENETICALLY VULNERABLE FOUR- AND SIX-MONTH-OLDS.**
L Pellegrino, S Hunter and R Ross, Aurora, CO. *University of Colorado Denver School of Medicine* Abstract 25

Cardiovascular I

Ocean Avenue Room, Pine Inn

Brian Stauffer and Eric Adler, Presiding

- 1:30 SODIUM-CALCIUM EXCHANGE KNOCKOUT MICE REVEAL THE EXCHANGER'S ROLE IN EARLY AFTERDEPOLARIZATIONS CAUSED BY OXIDATIVE STRESS.**
M Duncan and J Goldhaber, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 26
- 1:45 TIME COURSE OF DEVELOPMENT OF A MURINE MODEL OF DIET-INDUCED INSULIN RESISTANCE AND CARDIOMYOPATHY.**
A Sta Teresa, J Kim, T Wietecha, K Hudkins, C Alpers and KD O'Brien, Seattle, WA. *University of Washington* Abstract 27
- 2:00 METFORMIN IMPROVES OBESITY AND FASTING GLUCOSE, BUT NOT ESTABLISHED CARDIAC HYPERTROPHY, IN A MURINE MODEL OF DIET-INDUCED INSULIN RESISTANCE AND CARDIOMYOPATHY.**
J Kim, T Wietecha, A Sta Teresa, K Hudkins, C Alpers and KD O'Brien, Seattle, WA. *University of Washington* Abstract 28
- 2:15 DIETARY REGRESSION REDUCES BODY WEIGHT BUT NOT DYSGLYCEMIA OR ESTABLISHED CARDIAC HYPERTROPHY AND FIBROSIS IN A MURINE MODEL OF DIET-INDUCED INSULIN RESISTANCE AND CARDIOMYOPATHY.**
T Wietecha, J Kim, A Sta Teresa, K Hudkins, C Alpers and KD O'Brien, Seattle, WA. *University of Washington* Abstract 29
- 2:30 *State-of-the-Art Speaker*
GLUCOSE CONTROL IN DIABETIC CARDIOMYOPATHY: TOO LITTLE, TOO LATE OR OFF TARGET?**
Kevin O'Brien, *University of Washington*

3:00–3:15 Intermission

- 3:15 CONTRACTILE RECOVERY FROM ISCHEMIA IS IMPAIRED IN A PORCINE MODEL OF METABOLIC SYNDROME, BUT AMELIORATED BY RESTRICTING FATTY ACID AVAILABILITY.**
JV Huang, GG Schwartz, C Greyson, L Li, Y Xu, B Bergman and S Ye, Denver, CO. *University of Colorado (WSCI Travel Award Winner)* Abstract 30
- 3:30 CHARACTERIZATION AND THERAPEUTIC POTENTIAL OF INDUCED PLURIPOTENT STEM CELL-DERIVED CARDIOVASCULAR PROGENITOR CELLS.**
J Chyu, J Mendelis, S Heydarkhan, P Zhao, A Nsair and R MacLellan, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WAFMR)* Abstract 31
- 3:45 INTRAUTERINE GROWTH RESTRICTION ALTERS PPAR GAMMA EXPRESSION IN THE RAT HEART IN A GENDER AND MODEL SPECIFIC MANNER.**
T Miller, Y Wang, C Callaway, X Yu, R Bierer, L Joss-Moore and R Lane, Salt Lake City, UT. *University of Utah* Abstract 32
- 4:00 CAVEOLIN-1, A STRUCTURAL PROTEIN COMPONENT OF CAVEOLAE, REGULATES MEMBRANE OXYGEN.**
K Levy, S Agrawal, J Finley, HN Fridolfsson, SS Ali and HH Patel, La Jolla, CA. *University of California San Diego (WSMRF)* Abstract 33
- 4:15 INTRAUTERINE GROWTH RESTRICTION (IUGR) RESULTS IN VARIABLE EXPRESSION OF IGF-1 IN THE MALE RAT HEART.**
E Kaza, R Bierer, L Joss-Moore, Q Fu, CW Callaway and RH Lane, Salt Lake City, Utah, UT. *University of Utah School of Medicine and Primary Children's Medical Center (WAFMR/WSCI Outstanding Resident Award Winner)* Abstract 34
- 4:30 A NOVEL ANIMAL MODEL OF PEDIATRIC HEART FAILURE.**
JG Hijmans, S Miyamoto, R Sobus, C Sucharov and B Stauffer, Aurora, CO. *University of Colorado Denver (WSMRF)* Abstract 35
- 4:45 EFFECT OF ANTI-INFLAMMATORY PEPTIDE J ON CIRCULATING MARKERS OF INFLAMMATION IN A MOUSE MODEL OF ATHEROSCLEROSIS.**
J Okhovat, L Vakili, M Shabihkhani, S Safarpour, M Haghnegahdar, G Hough, S Vazirian and S Habibagahi, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 36

Endocrinology and Metabolism I

Church of the Wayfarer, Carlson Hall

Kathryn Schuff and Jessica Brzana, Presiding

- 1:15 *State-of-the-Art Speaker*
UPDATE: DEFINING "NORMAL" FOR TSH.**
Mary H. Samuels, *Oregon Health & Science University*
- 1:45 A CASE OF STERNOCOSTOCLAVICULAR HYPEROSTOSIS INITIALLY DIAGNOSED AS PAGET'S DISEASE OF BONE.**
C Lovato and P Kapsner, Albuquerque, NM. *University of New Mexico Health Science Center* Abstract 37
- 2:00 TERTIARY HYPERPARATHYROIDISM IN A PATIENT WITH X-LINKED HYPOPHOSPHATEMIC RICKETS.**
C Sadler and P Kapsner, Albuquerque, NM. *University of New Mexico Health Sciences Center* Abstract 38
- 2:15 UNDETECTABLE URINARY CALCIUM IN TWO PATIENTS WITH PRIMARY HYPERPARATHYROIDISM.**
R Patel-Trujillo, M Bouchonville, C Kapsner, D Schade, E Lewiecki and P Kapsner, Albuquerque, NM. *University of New Mexico Health Sciences Center* Abstract 39
- 2:30 IS WRIST CIRCUMFERENCE A PREDICTOR OF METABOLIC SYNDROME?**
P Bell, N Nanjee, R Holubkov, J Skidmore, C Tak, K Holly and N Mihalopoulos, Salt Lake City, UT. *University of Utah* Abstract 40

- 2:45 PREVALENCE OF LOW HDL AND ITS ASSOCIATION WITH BMI IN A NON-DIABETIC VA POPULATION.**
W Gu, R Mallios, S Mcfarland and J Huang, Fresno, CA. *VACCHCS* Abstract 41
- 3:00 HYPERTRIGLYCEREMIA DURING PARENTERAL NUTRITION AND ITS RELATIONSHIP WITH BMI, VISCERAL FAT AND SUBCUTANEOUS FAT.**
EN Frazee, EM Nystrom, M McMahon and JM Miles, Rochester, MN. *Mayo Clinic* Abstract 42
- 3:15–3:30 Intermission**
- 3:30 TESTOSTERONE REPLACEMENT THERAPY IN HYPOGONADAL MEN ALTERS THE HDL PROTEOME BUT DOES NOT AFFECT HDL CHOLESTEROL EFFLUX CAPACITY.**
K Rubinow, T Vaisar, C Tang, A Matsumoto, J Heinecke and S Page, Seattle, WA. *University of Washington (WAFMR)* Abstract 43
- 3:45 SIMVASTATIN DECREASES THE PERMEABILITY OF THE BLOOD RETINAL BARRIER BY ALTERATION OF ENDOTHELIAL JUNCTION PROTEIN EXPRESSION.**
L Caragol, S Rangasamy, J Maestas, P McGuire and A Das, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 44
- 4:00 INSULIN TIMING-A BENEFICIAL ADDITION TO INTENSIVE INSULIN THERAPY IN TYPE 1 DIABETES.**
E Duran-Valdez, MR Burge, P Broderick, L Shey, V Valentine, R Schrader and DS Schade, Albuquerque, NM. *University of New Mexico Health Sciences Center* Abstract 45
- 4:15 EFFECT OF DIPEPTIDYL PEPTIDASE-IV INHIBITOR TREATMENT ON POST-PRANDIAL GLUCAGON AND GLUCAGON-LIKE PEPTIDE-1 LEVELS IN PATIENTS WITH TYPE 1 DIABETES: AN INVESTIGATOR-INITIATED, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED TRIAL.**
EG Moser, J Snell-Bergeon and S Garg, Aurora, CO. *University of Colorado Denver (WAFMR/WSCI Subspecialty Award Winner)* Abstract 46
- 4:30 EFFECTS OF 3 MONTHS OF METFORMIN IN ADOLESCENTS WITH TYPE I DIABETES.**
KJ Nadeau and S Alam, Aurora, CO and Norfolk, VA. *University of Colorado Denver (WSMRF, WSPR)* Abstract 47
- 4:45 MANAGEMENT OF AN UNUSUAL CASE OF RECURRENT HYPOGLYCEMIA IN A PATIENT WITH TYPE 1 DIABETES MELLITUS.**
H Nguyen, M Bouchonville, P Kapsner and K Colleran, Albuquerque, NM. *University of New Mexico Health Sciences Center* Abstract 48
- 5:00 THE EFFECT OF SIX MONTHS OF VITAMIN D SUPPLEMENTATION IN MINORITIES WITH PRE-DIABETES AND HYPOVITAMINOSIS D.**
S Gonzalez, P Duran, T Friedman and MB Davidson, Los Angeles, CA. *Charles Drew University (WSMRF)* Abstract 49

Genetics

Sunset Center, Carpenter Hall
Anna Lehman and Mary Willis, Presiding

- 1:00 State-of-the-Art Speaker**
GENETIC DIAGNOSIS IN THE EXOME ERA.
Anna Lehman, *University of British Columbia*
- 1:30 DE NOVO MICRODELETION OF Xp11.3 TARGETING THE MONOAMINE OXIDASE A AND B GENES IN A MALE INFANT WITH EPISODIC HYPOTONIA: A GENOMICS APPROACH TO PERSONALIZED MEDICINE.**
R O'Leary, N Kawamata, N Kramer, J Tavyev and JM Graham, Los Angeles, CA. *Cedars-Sinai Medical Center (WSPR Subspecialty Award Winner)* Abstract 50
- 1:45 IMPROVEMENT IN JOINT MANIFESTATIONS IN A PATIENT WITH MUCOPOLYSACCHARIDOSIS TYPE 1 (MPS I) TREATED WITH ETANERCEPT.**
JK Eng-Kulawy and M Willis, San Diego, CA. *NMCSA (WSPR Mead Johnson Travel Award Winner)* Abstract 51
- 2:00 CLONING AND CHARACTERIZATION OF AGXT (ALANINE GLYOXYLATE AMINOTRANSFERASE) GENE PROMOTER.**
DD Lim, Aurora, CO. *University of Colorado School of Medicine* Abstract 52
- 2:15 AQUADYNIA - FIRST REPORT OF FAMILIAL OCCURRENCE.**
G Hightower, VR Barrio, SF Friedlander and LM Bird, San Diego, CA. *University of California, San Diego* Abstract 53
- 2:30 A RETROSPECTIVE STUDY OF INFANTS WITH SUSPECTED VERY LONG-CHAIN ACYL-COA DEHYDROGENASE DEFICIENCY ON NEWBORN SCREENING.**
J Merritt, CO Harding and BA Barshop, Seattle, WA; Portland, OR and La Jolla, CA. *University of Washington, Seattle Children's Hospital (WSPR)* Abstract 54

2:45–3:00 Intermission

- 3:00 BICORNUATE UTERUS CAUSES ARTHROGRYPOSIS - AN URBAN LEGEND DISPELLED.**
JG Hall, Vancouver, BC, Canada. *University of British Columbia (WSPR)* Abstract 55
- 3:15 DIAGNOSIS AND CLINICAL CHARACTERISTICS OF FEMALES MANIFESTING DUCHENNE MUSCULAR DYSTROPHY.**
LM Imbornoni, CM Cunniff, JG Andrews, Z Powis, E Ciafaloni and FJ Meaney, Tucson, AZ and Rochester, MN. *University of Arizona College of Medicine* Abstract 56

- 3:30 MACROCEPHALY AS A CLINICAL INDICATOR OF GENETIC SUBTYPES IN AUTISM.**
S Klein and JA Martinez-Agosto, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 57
- 3:45 FETUS WITH HYDROCEPHALUS AND MULTIPLE PTERYGIUM.**
Y Wilnai, H Vogel, T Pham, G Lopez and G Enns, Stanford, CA. *Stanford University* Abstract 58
- 4:00 A PATIENT WITH ATELOSTEOGENESIS TYPE I CAUSED BY A NOVEL MISSENSE MUTATION IN FLNB AND TRACHEAL HYPOPLASIA.**
B Li, J Hogue and A Slavotinek, San Francisco, CA. *UCSF* Abstract 59
- 4:15 17Q12 DELETION AND RISK FOR MULTIORGAN SYSTEM DISEASE.**
S Krishnamurthi, J Miyamoto, A Slavotinek and J Shieh, San Francisco, CA. *University of California San Francisco* Abstract 60
- 4:30 C. ELEGANS AS A GENETIC MODEL OF HYPOXIC INJURY.**
JC LaMacchia and M Roth, Seattle, WA. *University of Washington* Abstract 61
- 4:45 TESTING THE MULTISTAGE MODEL OF CARCINOGENESIS REVEALS EVIDENCE OF ONE MUTATION FOR SYNOVIAL SARCOMA AND TWO MUTATIONS FOR ACUTE PROMYELOCYTIC LEUKEMIA.**
J Bu, North Hollywood, CA. *Harvard-Westlake School* Abstract 62

Health Care Research I

Sunset Center, Promenade Lobby
Bernhard Fassl, Presiding

- 1:30 PATIENT PERCEPTION OF MEDICAL PROFESSIONALISM: A COMPARISON IN DIFFERENT CLINICAL SETTINGS.**
JM Gulvin and J Strote, Seattle, WA. *University of Washington* Abstract 63
- 1:45 A TEN-YEAR REVIEW OF CLINICAL ETHICS CONSULTATIONS AND THEIR LONG-TERM FOLLOW-UP.**
S McDearmon and R Orr, Loma Linda, CA. *Loma Linda University School of Medicine* Abstract 64
- 2:00 EVALUATION OF CAPACITY FOR INTERNATIONAL PATIENT CARE AT BC CHILDREN'S HOSPITAL.**
D Rasmussen, D Duffy, N O'Hara, S Chen, J Masterson and S Gandhi, Vancouver, BC, Canada. *University of British Columbia* Abstract 65
- 2:15 A LONGITUDINAL STUDY OF MEDICAL STUDENTS' MALPRACTICE FEAR AND DEFENSIVE MEDICINE: A "HIDDEN CURRICULUM"?**
W Johnston, R Rodriguez, D Suarez and J Fortman, Los Angeles, CA and San Francisco, CA. *David Geffen School of Medicine at UCLA* Abstract 66
- 2:30 NURSING EMPLOYMENT STRUCTURE IN UGANDA.**
L Zomorodian, S Luboga, SJ Herrera, KA Kamwitta and A Hagopian, Seattle, WA and Kampala, Uganda. *University of Washington* Abstract 67
- 2:45 SPECIALTY, GEOGRAPHIC, AND PRACTICE DISTRIBUTION OF BUPRENORPHINE PROVIDERS IN WASHINGTON STATE.**
E Kvamme and R Rosenblatt, Seattle, WA. *University of Washington School of Medicine* Abstract 68
- 3:00 NEONATAL OUTCOMES AT TEACHING HOSPITALS.**
A Yeaton-Massey and A Caughey, Stanford, CA and Portland, OR. *Stanford University* Abstract 69

3:15–3:30 Intermission

- 3:30 VIRTUAL PROBLEM BASED LEARNING (PBL) - A NEEDS ASSESSMENT EXAMINING TRADITIONAL VERSUS VIRTUAL PROBLEM-BASED LEARNING.**
R Lim, A Ghuman, D Chan, W Gourlay, B Fitzgerald, J Masterson, A MacNeily and J Mickelson, Vancouver, BC, Canada and London, United Kingdom. *University of British Columbia* Abstract 70
- 3:45 CHANGES IN NURSING EDUCATION IN UGANDA SINCE 2005.**
SJ Herrera, S Luboga, A Kentaro, L Zomorodian and A Hagopian, Seattle, WA and Kampala, Uganda. *University of Washington School of Medicine (WSMRF)* Abstract 71
- 4:00 FEMALE MEDICAL STUDENT PERSPECTIVES ON THEIR PROFESSIONAL INTERACTIONS WITH FEMALE PHYSICIANS.**
E Lubliner, S George and DE Hayes-Bautista, Los Angeles, CA. *Charles Drew University* Abstract 72
- 4:15 THE JOINT COMMISSION CLINICAL ASTHMA CARE MEASURES AND HOSPITALIZATION OUTCOMES.**
B Fassl, F Nkoy, B Stone, D Uchida, K Koopmeiners and C Maloney, Salt Lake City, UT. *University of Utah (WAFMR)* Abstract 73
- 4:30 MEDICAL ASSISTANTS' PERCEIVED ROLES AND PREFERRED TRAINING METHODS IN COMMUNITY HEALTH CLINICS.**
CY Chon and S Tu, Seattle, WA. *University of Washington* Abstract 74
- 4:45 CAPABILITIES AND REFERRAL PATTERNS OF HEALTH FACILITIES OF THE BIBIANI-ANHWIASO-BEKWAI DISTRICT IN RURAL GHANA.**
SH Han and DH Rickard, Los Angeles, CA. *UCLA David Geffen School of Medicine (WSMRF)* Abstract 75

Hematology and Oncology I

Sunset Center, Studio 105
Virginia Broudy and C. Anthony Blau, Presiding

- 1:30 MECHANISMS OF RESISTANCE TO THE B-RAF INHIBITOR ZELBORAF IN FOUR MELANOMA CELL LINES.**
E Garg, X Kong, H Shi, G Moriceau and RS Lo, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner)* Abstract 76

- 1:45 MIR-9, A TUMOR SUPPRESSOR MICRORNA, TARGETS ADHERENCE JUNCTION PROTEINS RESULTING IN SKIN SQUAMOUS CELL CARCINOMA: IMPLICATIONS FOR METASTASIS AND CHEMORESISTANCE.**
A Reddi, R White and X Wang, Denver, CO. University of Colorado, School of Medicine (E.E. Osgood Winner) (WSMRF) Abstract 77
- 2:00 EXOME SEQUENCING IDENTIFIES “HYPERMUTATED” PROSTATE CANCERS.**
A Kumar, P Nelson and J Shendure, Seattle, WA. University of Washington Abstract 78
- 2:15 IDENTIFICATION OF MITOCHONDRIAL SERINE HYDROXY-METHYL TRANSFERASE AS A KEY ARGINASE-DEPENDENT TARGET IN HUMAN BREAST CANCER.**
S Pervin, M Braga, N Avliyakov, M Haykinson, G Chaudhuri and R Singh, Los Angeles, CA. Charles Drew University (WSCI Travel Award Winner) (WSCI) Abstract 79
- 2:30 TARGETING CANCER WITH A CELL-PENETRATING ANTI-DNA ANTIBODY.**
JE Hansen, G Chan, S Dalal, E Geiger, X Xu, E Peterson-Roth, Y Liu, DC Hegan, Y Liu, JB Sweasy, S Rockwell, J Gera, RN Nishimura, RH Weisbart and PM Glazer, New Haven, CT and Sepulveda, CA. Yale University School of Medicine Abstract 80
- 2:45 THE ROLE OF COXSACKIE-ADENOVIRUS RECEPTOR AS A SENESENCE BIOMARKER DURING RECTAL CANCER TREATMENT.**
LE Grobman, DY Wu, DZ Dong and PC Wu, Seattle, WA. University of Washington (WSMRF) Abstract 81

3:00–3:15 Intermission

- 3:15 State-of-the-Art Speaker**
STEM CELLS.
C. Anthony Blau, University of Washington
- 3:45 AURISTATIN DRUGS DECREASE LONG-TERM SURVIVIN LEVELS AND INDUCE APOPTOSIS IN HUMAN PANCREATIC CANCER (PANC-1) CELLS.**
JS Park, MM Asuncion, JR Aspe, GR Pettit and NR Wall, Loma Linda, CA and Tempe, AZ. Loma Linda University Abstract 82
- 4:00 A POTENTIAL THERAPY FOR HIGH-RISK B-CELL LEUKEMIA: TARGETING HEALTH DISPARITIES IN HISPANIC CHILDREN.**
SR Martinez, T Bennett, O Francis, DJ Weldon and KJ Payne, Loma Linda, CA. Loma Linda University Abstract 83
- 4:15 FAR-RED FP-BASED TRIPLE MODALITY REPORTER FOR IN VIVO IMAGING.**
C Felsen, M Whitney, J Yang and R Tsien, La Jolla, CA. UCSD (WSMRF) Abstract 84
- 4:30 NOVEL MICROARRAY TECHNOLOGY DISCOVERS IN1 DELETIONS AND COPY NUMBER SIGNATURES THAT CORRELATE WITH CLINICAL OUTCOME IN EWING’S SARCOMA.**
J Schiffman, M Jahromi, A Putnam, J Wright, H Spraker, H Zhou, RL Randall, K Jones and S Lessnick, Salt Lake City, UT. University of Utah Abstract 85
- 4:45 DEVELOPING A PHOTONOVELA FOR LATINO ADOLESCENT AND YOUNG ADULT CANCER SURVIVORS.**
KH Strength, M Doose-Peña, R Millán, S Morales, M Perez, F Enriquez, E Barboa and J Casillas, Los Angeles, CA and Toluca Lake, CA. David Geffen School of Medicine, University of California Los Angeles (WSMRF) Abstract 86

Maternal and Infant Medicine

Sunset Center, Room # 6

Pete Eveland, Presiding

- 1:30 LINEAR GROWTH FALTERING BEGINS IN EARLY POSTNATAL PERIOD IN AN INDIGENOUS POPULATION OF MAYAN DESCENT.**
SC Berggard, J Bishop, J Westcott, N Krebs, M Kindem, A Garces, M Mazariegos, M Koso-Thomas, L Wright and M Hambidge, Aurora, CO; Research Triangle Park, NC and Guatemala City, Guatemala. University of Colorado, Denver (WSPR) Abstract 87
- 1:45 TOBACCO EDUCATION FOR CHILDREN AND PARENTS IN BUTTE, MONTANA.**
ER Cedarbaum, Seattle, WA. University of Washington School of Medicine Abstract 88
- 2:00 IMPLEMENTATION AND ASSESSMENT OF A PERINATAL HEALTH EDUCATION PROGRAM IN RURAL NEPAL.**
H Crandall, D Levy, F Nkoy and B Fassl, Salt Lake City, UT. University of Utah (WSCI Travel Award Winner) Abstract 89
- 2:15 BUILDING A COMMUNITY-BASED NUTRITION MONITORING PROGRAM IN RURAL MALAWI CHILDCARE CENTERS.**
I Golovaty, Seattle, WA. University of Washington (WSMRF) Abstract 90
- 2:30 REDUCING MATERNAL MORTALITY AND MORBIDITY IN MANGOCHI, MALAWI THROUGH COMMUNITY-LEVEL PROMOTION OF BIRTH PREPAREDNESS.**
D Heinrich, Seattle, WA. University of Washington School of Medicine Abstract 91
- 2:45 DENTAL CAVITY PREVENTION THROUGH FLUORIDE EDUCATION IN SANDPOINT, IDAHO.**
S Houmes, Seattle, WA. University of Washington School of Medicine Abstract 92
- 3:00 TEEN PREGNANCY PREVENTION IN OTHELLO, WASHINGTON.**
C Louw, Seattle, WA. University of Washington (WSMRF) Abstract 93

3:15–3:30 Intermission

- 3:30 PREVENTION OF UNINTENDED TEEN PREGNANCY IN RURAL PERU THROUGH EDUCATION AND EMPOWERMENT OF ADOLESCENT GIRLS.**
AL Moreno, Seattle, WA. University of Washington School of Medicine Abstract 94

- 3:45 **PREVENTING MALARIA IN PREGNANCY THROUGH HEALTH EDUCATION IN RURAL UGANDA.**
M Shipe, Seattle, WA. University of Washington (WSMRF) Abstract 95
- 4:00 **PROMOTING INFANT AND CHILD NUTRITION THROUGH COMMUNITY EDUCATION IN THE PERUVIAN SIERRA.**
K Wertzler, Seattle, WA. University of Washington (WSMRF) Abstract 96
- 4:15 **CONTRACEPTIVE EDUCATIONAL OUTREACH FOR AT-RISK TEENS IN OTHELLO, WA.**
M Hahn, Seattle, WA. University of Washington (WSMRF) Abstract 97

Neonatal Pulmonary I

All Saints Church, Sanctuary

Kurt Albertine and Clyde Wright, Presiding

- 1:30 **MACROPHAGE POLARIZATION & BRONCHOPULMONARY DYSPLASIA.**
B Chan, A Li, V Lombardi, R Geroge, R Ramanathan, O Akbari and P Minoo, Los Angeles, CA. University of Southern California Abstract 98
- 1:45 **NF- κ B INHIBITORY PROTEINS DICTATE CELLULAR SURVIVAL IN RESPONSE TO MITOCHONDRIAL STRESS.**
C Wright, F Agboke, M Muthu, M Mundy and P Dennery, Denver, CO and Philadelphia, PA. University of Colorado Denver Abstract 99
- 2:00 **IUGR ALTERS DNA AND HISTONE METHYLATION OF THE ELASTIN GENE IN NEWBORN RAT LUNG.**
A Sainz, Y Wang, C Callaway, X Yu, K Albertine, R Lane and L Joss-Moore, Salt Lake City, UT. University of Utah Abstract 100
- 2:15 **NEBULIZED ROSIGLITAZONE, A NOVEL DELIVERY METHOD FOR ACCELERATING NEONATAL LUNG MATURATION.**
E Morales, D Paek, R Sakurai, Y Li, J Torday, B Ibe and VK Rehan, Torrance, CA. Harbor UCLA Medical Center (WSPR Mead Johnson Travel Award Winner) (WSPR) Abstract 101
- 2:30 **CURCUMIN BLOCKS HYPEROXIA-INDUCED PULMONARY ALVEOLAR TYPE II CELL AND LIPOFIBROBLAST APOPTOSIS.**
P Villarreal, R Sakurai, Y Li, J Torday and VK Rehan, Torrance, CA. Harbor UCLA Medical Center Abstract 102
- 2:45 **NEONATAL HYPEROXIA INCREASES LUNG ELASTIN AS WELL AS ALTERS LUNG STRUCTURE IN MALE IUGR RATS.**
L Joss-Moore, Y Wang, MJ Dahl, A Wint, A Sainz, C Callaway, X Yu, K Albertine and R Lane, Salt Lake City, UT. University of Utah (WSMRF) Abstract 103
- 3:00 **PERINATAL VITAMIN D EFFECTS ON LUNG DEVELOPMENT DETERMINE THE ASTHMA PHENOTYPE.**
S Antony, M Yurt, J Liu, R Sakurai, J Torday and V Rehan, Torrance, CA. Harbor UCLA Medical Center Abstract 104

3:15–3:30 Intermission

- 3:30 **ERYTHROPOIETIN TREATMENT REDUCES THE INCIDENCE OF BRONCHOPULMONARY DYSPLASIA IN PRETERM INFANTS.**
N Rayjada, B Lorayne, L Chan and K Bui, Los Angeles, CA and Rockville Centre, NY. Mercy Medical Center Abstract 105
- 3:45 **KINETICS OF HBNO METABOLISM IN NEWBORN LAMBS.**
LE Barcelo, CR Erickson, GG Power and AB Blood, Loma Linda, CA. Loma Linda University Abstract 106
- 4:00 **NEONATAL RESUSCITATION PROGRAM TEAM TRAINING FOR HIGH RISK PREMATURE INFANTS: IMPROVING PATIENT OUTCOMES USING SIMULATION.**
HR Hackmann and J Anderson, Portland, OR. Oregon Health and Science University Abstract 107
- 4:15 **IUGR DECREASES STEAROYL-COA DESATURASE MRNA AND PALMITOLEIC ACID LEVELS IN NEWBORN RAT LUNG.**
AB Riederer, ML Baack, Y Wang, C Jiang, X Yu, CW Callaway, AW Norris, RH Lane and LA Joss-Moore, Salt Lake City, UT and Iowa City, IA. University of Utah Abstract 108
- 4:30 **EVIDENCE FOR A VASOACTIVE METABOLITE OF NITRIC OXIDE IN WHOLE BLOOD.**
C Erickson, L Barcelo and A Blood, Loma Linda, CA. Loma Linda University Abstract 109
- 4:45 **LIMITING FEEDING CHANGES APOPTOSIS AND PROLIFERATION IN THE LUNG, BRAIN, AND LIVER OF CHRONICALLY VENTILATED PRETERM LAMBS.**
J Jewel, J Alvord, B Houston, C Block, J Wimmer, S Jensen, L Dong, MJ Dahl, RA McKnight, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF) Abstract 110

- 5:00 **JOAN HODGMAN MEMORIAL LECTURE**
UREAPLASMA IN VLBW INFANTS: INNOCENT BYSTANDER OR TREATABLE PATHOGEN?
Robert Schelonka, Oregon Health & Science University
Join Neonatology General Session in All Saints Church Auditorium for this special lecture.

Neonatology General I

All Saints Church, Auditorium

Erika Fernandez and Roberta L. Keller, Presiding

- 1:30 **PHASE I TRIAL OF NEONATAL ERYTHROPOIETIN IN PERINATAL HYPOXIC-ISCHEMIC ENCEPHALOPATHY.**
YW Wu, RJ McPherson, RA Ballard, DE Mayock, SL Bonifacio, HC Glass, FF Gonzalez, T Chang, DJ Durand, D Song and SE Juul, San Francisco, CA; Seattle, WA; Washington, DC, Oakland, CA and San Jose, CA. University of California, San Francisco Abstract 111

- 1:45 EPIGENETICS OF TRANSGENERATIONAL TRANSMISSION OF *IN UTERO* NICOTINE-INDUCED ASTHMA.**
J Liu, N Erum, J Tian, R Sakurai, J Torday and VK Rehan, Torrance, CA. Harbor UCLA Medical Center Abstract 112
- 2:00 GENDER-SPECIFIC PERINATAL NICOTINE-INDUCED ASTHMA IN RAT OFFSPRING.**
J Tian, J Liu, E Naeem, V Lombardi, K Kwong, O Akbari, J Torday and VK Rehan, Torrance, CA and Los Angeles, CA. Harbor UCLA Medical Center Abstract 113
- 2:15 HEME OXYGENASE-1 DEFICIENCY PROMOTES NECROTIZING ENTEROCOLITIS DEVELOPMENT IN A MURINE MOUSE MODEL.**
S Schulz, K Jang, FS Kalish, H Zhao, HJ Vreman, KS Sylvester, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine Abstract 114
- 2:30 INCREASED VARIABILITY OF FECAL BILE ACID LEVELS IN INFANTS THAT DEVELOP NECROTIZING ENTEROCOLITIS.**
A Kehring, SK Mount Patrick, TE Estrada, SM Gephart, AD Bedrick and MD Halpern, Tucson, AZ. University of Arizona College of Medicine Abstract 115
- 2:45 PRETERM BIRTH AND ASSOCIATED VENTILATION ARE NOT RELATED TO HIGHER LEVELS OF LIVER MARKERS OF HEPATOBLASTOMA IN PRETERM LAMBS.**
C Block, J Schiffman, J Wimmer, L Dong, MJ Dahl, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSMRF) Abstract 116
- 3:00 COMPARISON OF CD34 SUBSETS IN TERM AND PRETERM NEONATES.**
M Weems, KC Bui, M Biniwale, A George, E Zielinska, C Azen and H Abdel-Azim, Los Angeles, CA. University of Southern California Abstract 117

3:15–3:30 Intermission

- 3:30 THE EFFECT OF ANTITHROMBIN III SUPPLEMENTATION ON BLOOD PRODUCT REQUIREMENTS DURING NEONATAL EXTRACORPOREAL MEMBRANE OXYGENATION SUPPORT.**
R Perry, L Klee, R Ramanathan, J Stein, I Seri and P Friedlich, Los Angeles, CA. LAC+USC Abstract 118
- 3:45 EXTRACORPOREAL MEMBRANE OXYGENATION INDUCES INFLAMMATORY MEDIATORS IN NEONATES BORN WITH CONGENITAL DIAPHRAGMATIC HERNIA.**
GL Gardiner, T La Pine, T Martins, R DiGeronimo, H Hill and CC Yost, Salt Lake City, UT. ARUP Institute for Clinical and Experimental Pathology Abstract 119
- 4:00 PROBIOTIC USE IN CYANOTIC CONGENITAL HEART DISEASE.**
MA Underwood, C Ellis, N Bokulich, K Kalanetra, M Mirmiran, J Elumalai, T Schegg, J Rutledge, G Raff and D Mills, Sacramento, CA and Davis, CA. University of California, Davis (WSPR) Abstract 120
- 4:15 EFFECT OF SUPERIOR CERVICAL GANGLION REMOVAL ON CEREBRAL BLOOD FLOW DURING PERIODS OF ACUTE HYPERTENSION IN PRETERM AND TERM LAMBS.**
AJ Czynski and AB Blood, Loma Linda, CA. Loma Linda University Abstract 121
- 4:30 THE TIMING OF SURGICAL INTERVENTION AND CLINICAL PREDICTORS OF MORTALITY IN INFANTS REFERRED TO A NEONATAL INTENSIVE CARE UNIT FOR NECROTIZING ENTEROCOLITIS.**
F Wertheimer, C Shafer, H Ford and V Niklas, Los Angeles, CA. Keck School of Medicine of USC and Children's Hospital Los Angeles Abstract 122
- 4:45 USE OF AN OXYGEN SATURATION HISTOGRAM INCREASES TIME INFANTS ARE WITHIN TARGET SATURATION RANGE.**
KK Adams, M Goldstein, J Ninnis, A Hopper and D Deming, Loma Linda, CA. Loma Linda University Abstract 123
- 5:00 JOAN HODGMAN MEMORIAL LECTURE
UREAPLASMA IN VLBW INFANTS: INNOCENT BYSTANDER OR TREATABLE PATHOGEN?**
Robert Schelonka, Oregon Health & Science University
Join Neonatology General Session in All Saints Church Auditorium for this special lecture.

Neuroscience I

Sunset Center, Conductor's Room

Marie-Francoise Chesselet and Edward Wagner, Presiding

- 1:30 DO MEDICAL STUDENTS UNDERSTAND BRAIN DEATH? A SURVEY STUDY.**
SM Gonzales, I Tawil, J Marinero, TC Timm, S Kalishman and C Crandall, Albuquerque, NM. University of New Mexico Abstract 124
- 1:45 EFFECTS OF ATTENTION ON TONOTOPY IN SCHIZOPHRENIA.**
T Ragole, E Slason, P Teale, M Reite and DC Rojas, Denver, CO. University of Colorado School of Medicine Abstract 125
- 2:00 INVESTIGATIONS ON THE ROLE OF NICOTINE IN POST TRAUMATIC STRESS DISORDER.**
E Bakken, D Stidd, K Vogelsang, JP Langevin and JM Fellous, Tucson, AZ. University of Arizona Abstract 126
- 2:15 SYSTEMATIC ANALYSIS OF TREATMENT STRATEGIES AND OUTCOMES FOR MALIGNANT EPIDERMAL TUMORS.**
D Nagasawa, A Yew, W Choy, M Spasic, Q Gopen and I Yang, Los Angeles, CA. Geffen School of Medicine at UCLA Abstract 127
- 2:30 CORTICAL ATROPHY AND GENETIC BIOMARKERS IN COGNITIVELY NORMAL ELDERLY AND MCI.**
KL Checksfield, KS Hwang, G Coppola, J Lane, B Wang, J Kaspar, JL Cummings, PM Thompson and LG Apostolova, Los Angeles, CA; Hanover, NH and Las Vegas, NV. University of California Los Angeles Abstract 128

- 2:45 TRANSPLANTATION OF INDUCED PLURIPOTENT NEURAL PROGENITOR CELLS AND CHONDROITINASE ABC IN A HYDROGEL MATRIX AFTER STROKE.**
AH Ashrafi, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSCI Travel Award Winner) (WSMRF) Abstract 129

3:00–3:15 Intermission

- 3:15 ALPHA-SYNUCLEIN OLIGOMER-INDUCED CALCIUM ACTIVITY IN PURE ASTROCYTE MODEL.**
C Park, S Damle, J Cui and GA Silva, San Diego, CA. University of California, San Diego Abstract 130
- 3:30 MAGNETIC RESONANCE IMAGING OF INJURY IN A MOUSE MODEL OF MILD CLOSED HEAD INJURY.**
M Evans, S Daming, V Donovan and A Obenaus, Loma Linda, CA and Riverside, CA. Loma Linda University Abstract 131
- 3:45 VERIFICATION OF STEREOTACTIC PROTON RADIOSURGERY TARGETING ACCURACY IN THE RAT BRAIN USING γ H2AX IMMUNOFLOUORESCENCE.**
J Schneider, S Bu, B Black, G Chen, K Schubert, R Schulte and Y Nie, Loma Linda, CA and Los Angeles, CA. Loma Linda University Abstract 132

Surgery I

Sunset Center, Green Room
 Donald C. Dafoe, Presiding

- 1:30 State-of-the-Art Speaker**
TREATMENT OF DIABETES THROUGH TRANSPLANTATION: AN EVOLUTION FROM WHOLE ORGAN TO STEM CELL DERIVED BETA CELLS.
Donald C. Dafoe, Cedars-Sinai Medical Center
- 2:00 THE EFFECT OF LIPID MINIMIZATION ON PARENTERAL NUTRITION ASSOCIATED CHOLESTASIS IN PEDIATRIC SURGICAL PATIENTS.**
L Braun, S Sanchez and P Javid, Seattle, WA. University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 133
- 2:15 DETECTING ATLANTO-OCCIPITAL DISSOCIATION WITH A REVISED CRANIO-CERVICAL INTERVAL.**
JD Gire, RF Roberto, M Bobinski, EO Klineberg and B Durbin-Johnson, Sacramento, CA. University of California, Davis School of Medicine Abstract 134
- 2:30 COMPARISON OF EXTRACORPOREAL SHOCKWAVE RENAL STONE FRAGMENTATION AND URETEROSCOPIC HOLMIUM LASER STONE FRAGMENTATION FOR THE TREATMENT OF URINARY STONES.**
H Wagner, J Fargusson, D Smith, D Arnold, A Schlaifer, K Anderson, J Heldt, I Wahjudi, K Nguyen, M Fargusson and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 135
- 2:45 CLINICAL LIVER TRANSPLANT OUTCOMES IN PATIENTS WITH PULMONARY HYPERTENSION.**
GR Marshall, RS Mangus and SB Kinsella, Indianapolis, IN. Indiana University School of Medicine Abstract 136
- 3:00 FLUOROLESS VERSUS CONVENTIONAL URETEROSCOPY: A COMPARISON STUDY.**
I Wahjudi, C Tenggardjaja, D Smith, A Schlaifer, B Baldwin and D Baldwin, Loma Linda, CA. Loma Linda University Abstract 137

3:15–3:30 Intermission

- 3:30 DOES OPTIC NERVE SHEATH DIAMETER ON MRI DECREASE WITH IMPROVED PEDIATRIC HYDROCEPHALUS?**
MM Yang, A Singhal and DD Cochrane, Vancouver, BC, Canada. University of British Columbia and BC Children's Hospital (WSMRF) Abstract 138
- 3:45 A CLINICAL AND RADIOLOGICAL CORRELATIVE STUDY OF PERONEAL TENDON PATHOLOGY.**
SE Wong, W Mak, GE Roper, V Campanelli, JC Hunter and E Giza, Sacramento, CA and Verona, Italy. University of California, Davis School of Medicine (WSMRF) Abstract 139
- 4:00 EFFECT OF CYTOKINE HEMOADSORPTION ON BRAIN DEATH-INDUCED VENTRICULAR DYSFUNCTION IN A PORCINE MODEL.**
KM Mikhova, KM Jones, ED Verrier and DG Rabkin, Seattle, WA. University of Washington Abstract 140
- 4:15 COMPARISON OF UNIMODAL AND MULTIMODAL APPROACHES FOR ENTOMBED STENTS.**
M Fargusson, J Heldt, I Wahjudi, J Fargusson, H Wagner, K Nguyen, A Schlaifer, K Anderson, D Smith, D Arnold and D Baldwin, Loma Linda, CA. Loma Linda University School of Medicine Abstract 141
- 4:30 DETERMINING VOLUME OF KIDNEY STONES IMPLEMENTING OSIRIX SOFTWARE.**
JE Fargusson, DL Smith, JP Heldt, KK Nguyen, HJ Wagner, MA Fargusson, IN Wahjudi, KM Anderson, AE Schlaifer, DC Arnold, JC Smith and DD Baldwin, Loma Linda, CA. Loma Linda University School of Medicine Abstract 142
- 4:45 SOFT TISSUE DAMAGE BY OSCILLATING SAW BLADE DURING TOTAL KNEE ARTHROPLASTY.**
Y Kwon, R Kim, G Botimer, S Inceoglu and P Williams, Loma Linda, CA. Loma Linda University Abstract 143

STUDENT SUBSPECIALTY AWARD POSTER SESSION AND RECEPTION*

Jointly sponsored by

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

Carmel Women's Club
 5:30 PM–7:00 PM
 Thursday, January 26, 2012

Poster
Number

- 1 **WHITE MATTER INTEGRITY IN INSULA AND FORNIX IMPLICATED IN BULIMIA NERVOSA NERVOSA.**
LN Mettler, M Shott, M Rollin and G Frank, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner) Abstract 144
- 2 **A PROFILE OF DEPRESSED MEDICAL STUDENTS.**
M Ford, MSIV, S Bazargan-Hejazi, PhD and J Lin, MA, Los Angeles, CA. Charles R. Drew University of Medicine and Science (WSPR Subspecialty Award Winner) Abstract 145
- 3 **CHARACTERIZATION AND THERAPEUTIC POTENTIAL OF INDUCED PLURIPOTENT STEM CELL-DERIVED CARDIOVASCULAR PROGENITOR CELLS.**
J Chyu, J Mendelis, S Heydarkhan, P Zhao, A Nsair and R MacLellan, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WAFMR) Abstract 146
- 4 **DEPRESSION IS COMMON IN TB PATIENTS AND IS ASSOCIATED WITH TREATMENT ABANDONMENT.**
DM Karlin, C Evans, C Loiselle, K Zevallos, F Fernandez, N Allen, R Montoya and D Boccia, Los Angeles, CA; London, United Kingdom and Lima, Peru. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 147
- 5 **METHYLATION IN REGIONS OF EXECUTIVE FUNCTION IN THE DEVELOPING HUMAN BRAIN.**
C Wilson, N Harlaar, J Phillips, S McConaghy, M Morgan and RK Ohls, Albuquerque, NM. University of New Mexico (WSPR Subspecialty Award Winner) Abstract 148
- 6 **EFFECT OF DIPEPTIDYL PEPTIDASE-IV INHIBITOR TREATMENT ON POST-PRANDIAL GLUCAGON AND GLUCAGON-LIKE PEPTIDE-1 LEVELS IN PATIENTS WITH TYPE 1 DIABETES: AN INVESTIGATOR-INITIATED, DOUBLE-BLIND, RANDOMIZED, PLACEBO-CONTROLLED TRIAL.**
EG Moser, J Snell-Bergeon and S Garg, Aurora, CO. University of Colorado Denver (WAFMR/WSCI Subspecialty Award Winner) Abstract 149
- 7 **CAN THE TIMED UP AND GO DEFINE SEVERITY OF FALL RISK?**
J Herbert and E Phelan, Seattle, WA. University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 150
- 8 **LIMITING FEEDING CHANGES APOPTOSIS AND PROLIFERATION IN THE LIVER OF PRETERM LAMBS SUPPORTED BY NASAL HIGH-FREQUENCY VENTILATION.**
C Block, J Jewel, A Smith, J Alvord, B Houston, J Wimmer, S Jensen, L Dong, MJ Dahl, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) (WSMRF) Abstract 151
- 9 **DE NOVO MICRODELETION OF Xp11.3 TARGETING THE MONOAMINE OXIDASE A AND B GENES IN A MALE INFANT WITH EPISODIC HYPOTONIA: A GENOMICS APPROACH TO PERSONALIZED MEDICINE.**
R O'Leary, N Kawamata, N Kramer, J Tavyev and JM Graham, Los Angeles, CA. Cedars-Sinai Medical Center (WSPR Subspecialty Award Winner) Abstract 152
- 10 **EFFECT OF PHYSICIAN FOLLOW-UP AND SPECIALTY DIFFERENCES ON 30-DAY READMISSION FOR HEART FAILURE PATIENTS.**
D Jang, H Xu, J Escarce and M Ong, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 153
- 11 **MECHANISMS OF RESISTANCE TO THE B-RAF INHIBITOR ZELBORAF IN FOUR MELANOMA CELL LINES.**
E Garg, X Kong, H Shi, G Moriceau and RS Lo, Los Angeles, CA. David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) Abstract 154
- 12 **DECREASED INTRACELLULAR AND EXTRACELLULAR PRODUCTION OF THE T HELPER 1 CYTOKINE IL-17 BY CORD BLOOD MONONUCLEAR CELLS MAY CONTRIBUTE TO NEONATAL INFECTIONS.**
JC Caron, TR La Pine, NH Augustine, TB Martins, CC Yost and HR Hill, Salt Lake City, UT. University of Utah (WAFMR/WSCI Subspecialty Award Winner) Abstract 155

Poster**Number**

- 13 BUMPED KINASE INHIBITORS BLOCK MALARIA TRANSMISSION TO MOSQUITOES.**
RC Murphy, KK Ojo, O Billker, W Van Voorhis and DJ Maly, Seattle, WA and Hinxton, United Kingdom. University of Washington (WAFMR/WSCI Subspecialty Award Winner) Abstract 156
- 14 IUGR INCREASES DNA METHYLATION OF THE PPAR-GAMMA PROMOTER 2 IN RAT VISCERAL ADIPOSE TISSUE.**
A Heglas, Y Wang, A Sainz, C Jiang, X Yu, C Callaway, R Lane and L Joss-Moore, Salt Lake City, UT. University of Utah (WAFMR/WSCI Subspecialty Award Winner) Abstract 157
- 15 NUCHAL THICKENING AND CYSTIC HYGROMAS: PREDICTING POSTNATAL OUTCOMES FROM PRENATAL ULTRASOUNDS.**
BO Longstreet, K Balikrishnan, J Perkins, B Saltzman and M Dighe, Seattle, WA. University of Washington School of Medicine (WSPR Subspecialty Award Winner) (WSMRF) Abstract 158
- 16 EPHA2 AND A3 ARE PERSISTENTLY INCREASED IN THE LUNG OF FORMER MECHANICALLY VENTILATED PRETERM LAMBS.**
J Wimmer, E Weinlander, J Alvord, B Houston, L Dong, MJ Dahl, RA McKnight, D Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT and Appleton, WI. University of Utah (WSPR Subspecialty Award Winner) (WSMRF) Abstract 159
- 17 THE DORSAL MEDIAL HYPOTHALAMUS MEDIATES PAIN HYPERSENSITIVITY INDUCED BY CHRONIC STRESS.**
K Wagner, D Cleary and M Heinricher, Portland, OR. Oregon Health and Science University (WAFMR/WSCI Subspecialty Award Winner) Abstract 160
- 18 EFFECTS OF NON-STEROIDAL ANTI-INFLAMMATORY DRUGS ON THE HYPOXIC VENTILATORY RESPONSE AND ACCLIMATIZATION TO CHRONIC HYPOXIA IN HUMANS.**
B Ho, E Ellis, R Zarndt, S Hopkins and F Powell, San Diego, CA. UCSD School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 161
- 19 THE EFFECT OF LIPID MINIMIZATION ON PARENTERAL NUTRITION ASSOCIATED CHOLESTASIS IN PEDIATRIC SURGICAL PATIENTS.**
L Braun, S Sanchez and P Javid, Seattle, WA. University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 162

*This session is not certified for *AMA PRA Category 1 Credit*TM

BREAKFAST-WITH-THE-INVESTIGATOR*

Monterey Beach Hotel – Captain’s Table Room
7:00 AM–8:00 AM

Friday, January 27, 2012
Point Alones and Point Pinos Room

ACADEMIC MEDICINE AND RURAL PRACTICES

Laurel Desnick, *University of Washington*

GLOBAL HEALTH EXPERIENCES

Tom Nighswander, *University of Washington*

INTEGRATING AN ARTS IN MEDICINE PROGRAM AT YOUR INSTITUTION

Pete Eveland, *University of Washington*

This session is not certified for *AMA PRA Category 1 Credit*TM

WESTERN ASSOCIATION OF PHYSICIANS

Sunset Center – Theater
Friday, January 27, 2012
8:30 AM–11:45 AM

STEM CELL THERAPEUTICS FOR THE CARDIOVASCULAR SYSTEM: HOPE OR HYPE

Carlin Long and Robb MacLellan, Presiding

8:30 INTRODUCTION**8:45 PLURIPOTENT STEM CELLS FOR CARDIAC REPAIR.**

Michael Laflamme, *University of Washington*

- 9:30 **BREAK**
- 9:45 **STEPS TOWARD BIOARTIFICIAL ORGANS FOR TRANSPLANTATION.**
Doris Taylor, *University of Minnesota*
- 10:30 **THE HOLY GRAIL OF CELL THERAPY: CAN WE ACHIEVE GENUINE REGENERATION?**
Eduardo Marban, *Cedars Sinai Medical Center*
- 11:15 **DISCUSSION**
- 11:45 **ADJOURN**
- 11:45 **WAP BUSINESS MEETING**

INVESTIGATOR WORKSHOPS

12:00 PM–1:15 PM
Friday, January 27, 2012

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

Sunset Center – Bingham #3

Navigating your academic career: Finding your niche and keeping the balance
Marc-Andre Cornier, *University of Colorado*

Sunset Center – Chapman #4

Grant Writing
Gregory Brent, *David Geffen School of Medicine at UCLA*

CONCURRENT SESSIONS

Friday, January 27, 2012
1:00 PM

Jointly sponsored by

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

- Cardiovascular II.....Ocean Avenue Room, Pine Inn
- Endocrinology and Metabolism II.....Carlson Hall, Church of the Wayfarer
- Gastroenterology and Hepatology.....Green Room, Sunset Center
- Health Care Education and Communication.....Rehearsal Room, Sunset Center
- Health Care Research II.....Promenade Lobby, Sunset Center
- Hematology Oncology and Surgery.....Sunset Center, Chapman #4
- Immunology and Rheumatology I.....Studio 105, Sunset Center
- Infectious Diseases.....Room #6, Sunset Center
- International and Immigrant Health Issues.....Sunset Center, Bingham Room #3
- Morphogenesis and Malformations.....Carpenter Hall, Sunset Center
- Neonatology Developmental Biology.....All Saints Church, Sanctuary
- Neonatology General II.....All Saints Church, Auditorium
- Nephrology and Hypertension.....Conductor’s Room, Sunset Center
- Pulmonary and Critical Care.....Carmel Women’s Club

Cardiovascular II

Ocean Avenue Room, Pine Inn

Javier E. Lopez and Kevin D. O'Brien, Presiding

- 1:30 DISSECTING AORTIC ANEURYSM IN PCKD.**
S Sarkissian, Los Angeles, CA. University of Southern California Abstract 163
- 1:45 LACK OF CORRELATION OF FIRST-YEAR CYLEX SCORES TO THE DEVELOPMENT OF CARDIAC ALLOGRAFT VASCULOPATHY SUGGESTS THE IMPORTANCE OF HUMORAL FACTORS.**
M Rafiei, LK Stern, N Patel, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 164
- 2:00 BEADED NECKLACE-LIKE IMAGE OBSERVED BY REAL-TIME THREE-DIMENSIONAL TRANSESOPIHAGEAL ECHOCARDIOGRAHY AS EVIDENCE OF BACTERIAL VEGETATIONS IN A DIALYSIS CATHETER.**
SG Ponce and C Roldan, Albuquerque, NM. University of New Mexico Abstract 165
- 2:15 ATENOLOL COMPOUNDING AND ATRIOVENTRICULAR BLOCK: A CASE REPORT.**
J Wheeler, P Francis and J Kim, Madera, CA. Children's Hospital Central California Abstract 166
- 2:30 FIRST-YEAR BRAIN NATRIURETIC PEPTIDE (BNP) AS A BIOMARKER AFTER HEART TRANSPLANT FOR POOR OUTCOME AND PREDICTION OF THE SEVERITY OF CARDIAC ALLOGRAFT VASCULOPATHY (CAV).**
R Shiozaki, M Rafiei, LK Stern, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 167
- 2:45 IS HORMONE REPLACEMENT THERAPY IN POSTMENOPAUSAL WOMEN ASSOCIATED WITH POOR OUTCOME AFTER HEART TRANSPLANTATION?**
L Kobashigawa, M Rafiei, LK Stern, M Hamilton and C Bairey Merz, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 168

3:00–3:15 Intermission

- 3:15 OBESITY AND PROTECTION FROM CARDIAC ALLOGRAFT VASCULOPATHY: IS THE MYTH TRUE?**
N Patel, M Rafiei, LK Stern, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 169
- 3:30 THE POLICY OF PLACING OLDER DONORS INTO OLDER RECIPIENTS: IS IT WORTH IT?**
DP Patel, M Rafiei, LK Stern, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 170
- 3:45 HAS THE VIRTUAL CROSSMATCH TRULY DECREASED TIME ON THE HEART TRANSPLANT WAITING LIST FOR SENSITIZED PATIENTS?**
A Merz, M Rafiei, LK Stern, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 171
- 4:00 THE NATURAL HISTORY OF BIOPSY NEGATIVE REJECTION AFTER HEART TRANSPLANTATION.**
Z Tang, M Rafiei, LK Stern, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 172
- 4:15 INFECTIOUS COMPLICATIONS OF DESENSITIZATION THERAPY: IS THE CURE WORSE THAN THE DISEASE?**
LK Stern, M Rafiei, DP Patel, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 173
- 4:30 TRICUSPID REGURGITATION IN THE FIRST YEAR AFTER HEART TRANSPLANT: DOES IT MEAN GLOOM AND DOOM?**
D Lee, M Rafiei, LK Stern, M Hamilton and J Kobashigawa, Los Angeles, CA. Cedars-Sinai Heart Institute Abstract 174
- 4:45 EVALUATION OF LEFT TO RIGHT SHUNTING AS A CAUSE OF SLEEP APNEA.**
WC Maclellan, Goleta, CA and Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 175
- 5:00 NEONATAL MATURITY AFFECTS SURVIVAL TO CARDIAC SURGERY.**
S Bhombal, L Hastings and L Paquette, Los Angeles, CA. Children's Hospital Los Angeles Abstract 176

Endocrinology and Metabolism II

Church of the Wayfarer, Carlson Hall

Jane Reusch and Katya Rubinow, Presiding

- 1:15 EFFECTS OF LYSOSOMAL DEGRADATION INDUCERS ON IAPP TOXICITY IN PANCREATIC β -CELLS.**
R Pilon, J Rivera, T Gurlo, C Huang, M Daval, P Butler and S Costes, Los Angeles, CA. Larry Hillblom Islet Research Center, David Geffen School of Medicine at UCLA (WSMRF) Abstract 177
- 1:30 ATTENUATION OF ACUTE EXERCISE-INDUCED MITOCHONDRIAL BIOGENESIS AND OXIDANT DEFENSE IN A MODEL OF INSULIN RESISTANT DIABETES.**
M Miller, L Knaub and JE Reusch, Aurora, CO and Denver, CO. University of Colorado School of Medicine Abstract 178
- 1:45 SLEEP DISRUPTION IN PRE-OBESE MICE WITH ALTERED BRAIN LIPID METABOLISM PREDISPOSES TO WEIGHT GAIN.**
J Pellinen, H Wang and RH Eckel, Denver, CO. University of Colorado School of Medicine Abstract 179
- 2:00 CORONIN 2A IS A DOCKING SITE FOR SUMOYLATED PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA.**
DX Zhang, W Huang and C Glass, La Jolla, CA. University of California, San Diego (WSMRF) Abstract 180
- 2:15 IUGR INCREASES DNA METHYLATION OF THE PPAR-GAMMA PROMOTER 2 IN RAT VISCERAL ADIPOSE TISSUE.**
A Heglas, Y Wang, A Sainz, C Jiang, X Yu, C Callaway, R Lane and L Joss-Moore, Salt Lake City, UT. University of Utah (WAFMR/WSCI Subspecialty Award Winner) Abstract 181

- 2:30 DIFFERENTIAL BRAIN, HORMONE, AND SATIETY RESPONSES TO GLUCOSE AND FRUCTOSE INGESTION.**
K Page, J Arora, R Belfort-DeAguiar, RT Constable and R Sherwin, Los Angeles, CA and New Haven, CT. Abstract 182
University of Southern California (WAFMR Outstanding Investigator Award Winner)
- 2:45 EFFECTS OF FRUCTOSE ON GLUCOSE CONTRIBUTION TO FATTY ACID SYNTHESIS IN 3T3-L1 ADIPOCYTES.**
JK Yee, A Martin, S Lim, J Vega, J Cohen, P Wahjudi and WP Lee, Torrance, CA. Harbor-UCLA Medical Center Abstract 183
(WAFMR, WSPR)

3:00 – 3:15 Intermission

- 3:15** *State-of-the-Art Speaker*
ADIPOSE INFLAMMATION, THE EXTRACELLULAR MATRIX, AND INSULIN RESISTANCE.
 Philip A. Kern, *University of Kentucky Chandler Medical Center*
- 3:45 OBES MICE TREATED WITH AGENTS THAT MODIFY THE ADAPTIVE IMMUNE RESPONSE HAVE AN IMPROVED PROFILE OF ADIPOSE TISSUE MACROPHAGES AND T LYMPHOCYTES, BUT DO NOT EXHIBIT IMPROVED INSULIN RESISTANCE.**
V Montes, J Ledbetter, M Turner, S Subramanian, K Elkon and A Chait, Seattle, WA. University of Washington Abstract 184
- 4:00 EFFECTIVENESS OF STANDARDIZATION OF COMMUNITY HEALTHCARE WORKERS WITH TRAINING PROGRAMS.**
T Iwamoto and K Collieran, Albuquerque, NM. University of New Mexico School of Medicine Abstract 185
- 4:15 CLINICAL PRESENTATION AND RESPONSE TO SOMATOSTATIN ANALOGUE TREATMENT - IMPORTANCE OF IMMUNOHISTOCHEMICAL GRANULATION PATTERN AND PRESENCE OF SOMATOSTATIN RECEPTOR SUBTYPE 2A IN GROWTH HORMONE SECRETING ADENOMAS.**
J Brzana, C Yedinak, S Gultekin, J Delashaw and M Fleseriu, Portland, OR. Oregon Health and Science University Abstract 186
- 4:30 VITAMIN D ENHANCES MYOGENIC CELL DIFFERENTIATION OF C2C12 SKELETAL MYOBLAST CELLS BY MODULATING THE EXPRESSION OF KEY ANGIOGENIC GROWTH FACTORS AND ANGIOGENIC GROWTH FACTORS INHIBITORS.**
LA Garcia, MG Ferrini, KC Norris and JN Artaza, Los Angeles, CA. Charles R. Drew University of Medicine and Science (WAFMR) Abstract 187
- 4:45 ASSESSING PHYSICIANS ATTITUDES TOWARD COMMUNITY HEALTH CARE WORKERS AS MEMBERS OF THE DIABETES CARE TEAM.**
B Jones, T Iwamoto and K Collieran, Albuquerque, NM. University of New Mexico Abstract 188
- 5:00 EVIDENCE OF DEFECT IN THE RELEASE OF TESTOSTERONE FROM XXY MOUSE TESTIS.**
I Munir, Y Lue, C Wang, A Leung and RS Swerdloff, Torrance, CA. Harbor-UCLA Medical Center (WSCI Travel Award Winner) Abstract 189

Gastroenterology and Hepatology

Sunset Center, Green Room

Jeffrey Glenn and Aida Habetzion, Presiding

- 1:30 OROGASTRIC ZINC DECREASES INTESTINAL INFLAMMATION IN SHIGA TOXIN PRODUCING E. COLI INFECTION.**
K Khirfan, W Byrd and E Boedeker, Albuquerque, NM. University of New Mexico (WSCI Travel Award Winner) Abstract 190
- 1:45 WILSON DISEASE: ABNORMAL METHIONINE METABOLISM AND THE ROLE OF INFLAMMATION AND STEATOSIS IN EARLY STAGES OF LIVER DISEASE.**
M Dolatshahi, N Shibata, S Liu, C Halsted and V Medici, Davis, CA. University of California (WSMRF) Abstract 191
- 2:00 AUTONOMIC DYSREGULATION IN RESPONSE TO A VISCERAL STRESSOR IN IRRITABLE BOWEL SYNDROME.**
PK Cheng, W Shih, A Presson, B Naliboff, E Mayer and L Chang, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 192
- 2:15 ETHNIC DIFFERENCES IN HEALTHCARE UTILIZATION FOR PEDIATRIC PATIENTS WITH INFLAMMATORY BOWEL DISEASE.**
J Adair, R Scherr and D Gremse, Las Vegas, NV. University of Nevada School of Medicine Abstract 193
- 2:30 SIGNIFICANCE OF CANDIDA ESOPHAGITIS IN INFANTS WITH GASTROESOPHAGEAL REFLUX DISEASE PRESENTING WITH FEEDING REFUSAL.**
A Chin, D Gremse and R Scherr, Las Vegas, NV. University of Nevada School of Medicine Abstract 194
- 2:45 GASTROINTESTINAL NEUROENDOCRINE CARCINOMYSTERY OF THE NECK.**
DC Kuo, CG Tang, B Puligandla, MH Tang and BM Rasgon, Oakland, CA and Berkeley, CA. Kaiser Permanente Oakland Medical Center Abstract 195
- 3:00 UNUSUAL COMPLICATION AFTER PERCUTANEOUS ENDOSCOPIC GASTROSTOMY TUBE PLACEMENT: A CASE REPORT.**
RP Rutter and M Herman, Bradenton, FL and Orange Park, FL. LECOM Abstract 196

3:15–3:30 Intermission

- 3:30** **State-of-the-Art Speaker**
IMMUNOLOGY OF INFLAMMATORY BOWEL DISEASE.
Aida Habetzion, Stanford University
- 4:00** **CROHN'S DISEASE AND ULCERATIVE COLITIS PATIENT EDUCATION AT A SUPPORT GROUP IN PLAINS, MONTANA.**
T Blaskovich, Seattle, WA. University of Washington School of Medicine Abstract 197
- 4:15** **WILDERNESS MEDICINE CAREER DAY FOR TEENS IN RED LODGE, MONTANA.**
C Gallagher, Seattle, WA. University of Washington School of Medicine Abstract 198
- 4:30** **PREVENTION OF DIARRHEA AND INTESTINAL PARASITOSIS THROUGH COMMUNITY EDUCATION IN BELÉN, PERU.**
IT Smith, Seattle, WA. University of Washington School of Medicine Abstract 199
- 4:45** **COMBATING MALNUTRITION IN AT-RISK CHILDREN UNDER FIVE IN RURAL UGANDA THROUGH NUTRITION EDUCATION.**
S Mirza, Seattle, WA. University of Washington Abstract 200

Health Care Education and Communication

Sunset Center, Rehearsal Room

Jay Erickson, Presiding

- 1:30** **A TEAM-BASED APPROACH TO DIABETES MANAGEMENT AT A LONG TERM CARE FACILITY.**
J Geyer, Seattle, WA. University of Washington School of Medicine Abstract 201
- 1:45** **COMMUNITY ADVISOR GROUPS' PERSPECTIVES ON BARRIERS AND FACILITATORS TO ACCESSING PEDIATRIC CANCER SURVIVORSHIP CARE.**
S Morales, M Doose-Peña, R Millan, M Pérez, F Enriquez, E Barboa and J Casillas, Los Angeles, CA and Toluca Lake, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 202
- 2:00** **OVERCOMING BARRIERS OF PRESCRIPTION ADHERENCE: A MULTIFACETED APPROACH.**
T Seimears, Seattle, WA. University of Washington School of Medicine (WAFMR) Abstract 203
- 2:15** **FREQUENCY AND PREDICTORS OF PATIENT ATTITUDES TOWARDS FULL BODY SKIN EXAMINATIONS.**
L Tong and M Chiu, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 204
- 2:30** **ASSESSMENT AND IMPROVEMENT OF PRE-DEPARTURE TRAINING FOR MEDICAL STUDENTS AND RESIDENTS ON GLOBAL HEALTH PROJECTS.**
K Wade, R Hartley and V Kapoor, Vancouver, BC, Canada. University of British Columbia Abstract 205
- 2:45** **AM I MAKING MYSELF CLEAR? BARRIERS TO PATIENT-DOCTOR COMMUNICATION WHILE USING PHONE INTERPRETERS IN A MEDICAL HOME FOR AT-RISK CHILDREN.**
R Zaw, C Faulkenberry, C Ortiz, C Gibson and S Yang, Fresno, CA. University of California, San Francisco-Fresno Abstract 206
- 3:00** **IS THE 2002 FRENCH ADOPTION OF A NO-FAULT MEDICAL MALPRACTICE MODEL CONSISTENT WITH EVERETT ROGERS DIFFUSION OF INNOVATIONS THEORY?**
D Alden and J Eldredge, Albuquerque, NM. University of New Mexico School of Medicine Abstract 207

3:15–3:30 Intermission

- 3:30** **SIMULATION OF SICKLE CELL DISEASE IS A NOVEL METHOD FOR TEACHING & ASSESSMENT.**
T Burns, M DeBaun and J Fehr, Sacramento, CA; St. Louis, MO and Nashville, TN. University of California, Davis School of Medicine Abstract 208
- 3:45** **A PROFILE OF DEPRESSED MEDICAL STUDENTS.**
M Ford, MSIV, S Bazargan-Hejazi, PhD and J Lin, MA, Los Angeles, CA. Charles R. Drew University of Medicine and Science (WSPR Subspecialty Award Winner) Abstract 209
- 4:00** **MUSCULOSKELETAL EDUCATION: AN ASSESSMENT OF THE CLINICAL CONFIDENCE AND KNOWLEDGE BASE OF MEDICAL STUDENTS AT UC IRVINE.**
A Lynch and R Gupta, Irvine, CA. University of California, Irvine Abstract 210
- 4:15** **DO HEALTHCARE WORKERS HAVE BETTER LIPOPROTEINS?**
LW Raymond, J Pankowski and K Sensenbrenner, Charlotte, NC. University of North Carolina, Chapel Hill (WAFMR) Abstract 211
- 4:30** **LEARNING THE RIGHT WORDS: EVALUATING COMMUNICATION TRAINING IN DIFFICULT CONVERSATIONS.**
T Vu and S Farber, Seattle, WA. University of Washington School of Medicine Abstract 212

Health Care Research II

Sunset Center, Promenade Lobby

Natali Aziz, Presiding

- 1:30 TDAP VACCINATION RATES IN POSTPARTUM WOMEN FOLLOWING IMPLEMENTATION OF TDAP IMMUNIZATION HISTORY REMINDER IN ELECTRONIC MEDICAL RECORDS.**
N Aziz, A Yeaton-Massey, R Balise, M Norton and L Brodzinsky, Stanford, CA. *Stanford University School of Medicine/Lucile Packard Children's Hospital (WSGI Travel Award Winner)* Abstract 213
- 1:45 INVESTIGATION OF COMPETING CRITERIA FOR CATHETER-ASSOCIATED URINARY TRACT INFECTIONS USING A NOVEL ELECTRONIC SURVEILLANCE TOOL.**
P Sanger, R Jain, A Stapleton, M Granich, R Olsen and P Pottinger, Seattle, WA. *University of Washington (WSMRF)* Abstract 214
- 2:00 INCIDENCE OF ACRAL SURFACE INSPECTION FOR DETECTION OF ACRAL LENTIGINOUS MELANOMA IN ETHNIC AND CAUCASIAN POPULATIONS.**
M Tsai, M Chiu and L Young, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 215
- 2:15 CAN TOOLS FROM BEHAVIORAL ECONOMICS AND SOCIAL PSYCHOLOGY HELP TO CONTROL CHRONIC DISEASES?**
B Mogler, M Shapiro, S Shu, C Fox and N Goldstein, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 216
- 2:30 EFFECT OF PHYSICIAN FOLLOW-UP AND SPECIALTY DIFFERENCES ON 30-DAY READMISSION FOR HEART FAILURE PATIENTS.**
D Jang, H Xu, J Escarce and M Ong, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WAFMR/WSGI Subspecialty Award Winner) (WSMRF)* Abstract 217
- 2:45 CHRONIC DISEASE EDUCATION NEEDS OF DISCHARGED EMERGENCY DEPARTMENT PATIENTS.**
E Bautista and K Jobe, Seattle, WA. *University of Washington (WSMRF)* Abstract 218
- 3:00 METHODS AND DESIGN OF THE BLOOD PRESSURE IN DIALYSIS (BID) STUDY: A RANDOMIZED CONTROLLED TRIAL OF INTENSIVE CONTROL OF SYSTOLIC BLOOD PRESSURE IN HEMODIALYSIS PATIENTS.**
A Gul, D Miskulin, J Gassman, B Horowitz, A Harford and P Zager, Albuquerque, NM; Boston, MA and Cleveland, OH. *University of New Mexico* Abstract 219

3:15–3:30 Intermission

- 3:30 THE ABCS OF HOSPITALIZED PATIENTS: A MULTIDISCIPLINARY CHECKLIST TO IMPROVE QUALITY OF INPATIENT CARE.**
C Perkins and N Afsar-Manesh, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 220
- 3:45 COMPARING THE EFFECTIVENESS OF OPEN AND CLOSED-ENDED QUESTIONING MODELS IN PATIENTS PRESENTING TO THE EMERGENCY DEPARTMENT WITH THE CHIEF COMPLAINT OF CHEST PAIN.**
T Parry, Loma Linda, CA. *Loma Linda University (WSMRF)* Abstract 221
- 4:00 ARE PSORIASIS PATIENTS BEING SCREENED FOR CARDIOVASCULAR RISK FACTORS? A STUDY OF AWARENESS AND SCREENING PRACTICES AMONG PRIMARY CARE PHYSICIANS AND CARDIOLOGISTS.**
EA Brezinski, KK Parsi, T Lin, C Li and AW Armstrong, Sacramento, CA and Mesa, AZ. *University of California Davis, School of Medicine (WSMRF)* Abstract 222
- 4:15 TWO-YEAR ABSTINENCE OF CIGARETTE SMOKERS ENROLLED IN AN OUT-PATIENT TOBACCO DEPENDENCE TREATMENT PROGRAM.**
SJ Chung, M Debay, D Woo and L Ferry, Loma Linda, CA. *Loma Linda University School of Medicine* Abstract 223
- 4:30 CHIEF COMPLAINTS OF FREQUENT EMERGENCY DEPARTMENT UTILIZERS AND PREVALENCE OF SUBSTANCE ABUSE AND PSYCHIATRIC DISORDERS.**
M Dang, M Layton, D Neven, D Howell and J Roll, Seattle, WA and Spokane, WA. *University of Washington* Abstract 224
- 4:45 MCI TRIAGE: ASSESSMENT OF PROVIDER PERFORMANCE IN KING COUNTY, WA.**
K Kenningham and M King, Seattle, WA. *University of Washington* Abstract 225

Hematology Oncology and Surgery

Sunset Center, Chapman Room #4

Mary Barinaga, Presiding

- 1:30 FACTORS ASSOCIATED WITH LOCAL-REGIONAL FAILURE AFTER DEFINITIVE CHEMORADIATION FOR LOCALLY ADVANCED ESOPHAGEAL CANCER.**
A Amini, JW Welsh, PK Allen, L Xiao, A Suzuki, Y Hayashi, M Blum, W Hofstetter, R Komaki, Z Liao, JH Lee, MS Bhutani and JA Ajani, Houston, TX and Irvine, CA. *University of Texas MD Anderson Cancer Center* Abstract 226
- 1:45 THE NOISE POWER SPECTRUM OF AN EXPERIMENTAL PROTON CT SCANNER.**
BM Black, RF Hurley and RW Schulte, Loma Linda, CA. *Loma Linda University* Abstract 227
- 2:00 INTRAHEPATIC GAS GANGRENE ARISING FROM PUNCTURE WOUND.**
J Chi and M Goecke, Vancouver, BC, Canada. *University of British Columbia* Abstract 228
- 2:15 EXPERIENCE WITH A NEW INTEGRATED NEGATIVE PRESSURE WOUND THERAPY SYSTEM WITH VOLUMETRIC AUTOMATED FLUID INSTILLATION IN AT-RISK WOUNDS.**
S Huberty and A Gabriel, Vancouver, WA. *University of Washington* Abstract 229

- 2:30 ANTERIOR LUMBAR INTERBODY FUSION L5/S1 HAS NO EFFECT ON SPINOPELVIC PARAMETERS IN THE SETTING OF ADULT DEGENERATIVE SCOLIOSIS.**
A Meyers, Y Hagar, RF Roberto, MC Gupta and EO Klineberg, Sacramento, CA. University of California, Davis School of Medicine (WSMRF) Abstract 230
- 2:45 OCULAR BIOCOMPATIBILITY OF NITINOL.**
N Nghiem, DA Ammar, JM Petrash and JL Olson, Denver, CO and Aurora, CO. University of Colorado Denver Abstract 231
- 3:00 AUTOMATED BRIGHTNESS CONTROL FLUOROSCOPY SETTINGS WITH SHIELDING INCREASES RADIATION EXPOSURE TO SURROUNDING UNSHIELDED TISSUES.**
K Nguyen, DL Smith, DC Arnold, AE Schlaifer, KM Anderson, JP Heldt, JE Fergusson, MA Fergusson, HJ Wagner, IN Wahjudi, JC Smith and DD Baldwin, Loma Linda, CA. Loma Linda University Abstract 232

3:15–3:30 Intermission

- 3:30 RASSF1C DECREASES MST1/2 ACTIVATION.**
AE Palma, C Poh, M Alfakhouri, Y Amaar and M Reeves, Loma Linda, CA. Loma Linda University School of Medicine Abstract 233
- 3:45 ASSESSMENT OF GLUTAREDOXIN 5 GENE EXPRESSION IN HUMAN BREAST AND LUNG CANCER CELLS.**
C Poh, A Palma, M Alfakhouri, Y Amaar and ME Reeves, Loma Linda, CA. Loma Linda University Abstract 234
- 4:00 DEVELOPMENT OF A PATIENT-SPECIFIC TWO-COMPARTMENT ANTHROPOMORPHIC BREAST PHANTOM.**
ND Prionas, GW Burkett, SE McKenney and JM Boone, Sacramento, CA. University of California, Davis (WSMRF) Abstract 235
- 4:15 STEREOTACTIC RADIATION FOR THE TREATMENT OF VESTIBULAR SCHWANNOMA: TUMOR CONTROL AND HEARING PRESERVATION.**
M Spasic, P Pezeshkian, B Fong, W Choy, T Soleymani, D Nagasawa, G Barkhoudarian, A Gorgulho, A De Salles and I Yang, Los Angeles, CA and Irvine, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 236
- 4:30 CHANGES IN APPARENT DIFFUSION COEFFICIENT, LATERAL VENTRICULAR VOLUME, AND EXTENT OF T2 PERIVENTRICULAR HYPERINTENSITY AFTER ENDOSCOPIC THIRD VENTRICULOSTOMY IN CHILDREN.**
CK Tong, AT Byrne, MA Sargent and DD Cochrane, Vancouver, BC, Canada. University of British Columbia and BC Children's Hospital Abstract 237

Immunology and Rheumatology I

Sunset Center, Studio 105

Richard Weisbart and Emil Heinze, Presiding

- 1:30 LUNG IMAGING ABNORMALITIES IN HEALTHY SUBJECTS SUGGESTING THE LUNG MAY BE AN INITIATING SITE OF INFLAMMATION IN RHEUMATOID ARTHRITIS.**
M Demoruelle, M Weisman, L Derber, J Kolfenbach, C Striebich, I Pedraza, A Harrington, D Lynch, P Sachs, J Norris, V Holers and K Deane, Aurora, CO; Los Angeles, CA and Denver, CO. University of Colorado School of Medicine Abstract 238
- 1:45 TLR9 EXPRESSION ON B CELL SUBSETS IN NORMAL AND AUTOIMMUNE PERIPHERAL BLOOD.**
K Nazeri, A Weldon, A Benitez, K Colburn and K Payne, Loma Linda, CA. Loma Linda University Medical Center (WSCI Travel Award Winner) Abstract 239
- 2:00** *State-of-the-Art Speaker*
ANTI-DNA ANTIBODIES IN SLE: THE GOOD AND THE BAD.
James E. Hansen, Yale University

2:30–2:45 Intermission

- 2:45 RHEUMATOID ARTHRITIS-ASSOCIATED LUNG DISEASE WITHOUT CLINICAL ARTHRITIS?**
A Bagley, K Demoruelle, M Schwarz, C Cool and K Deane, Aurora, CO. University of Colorado Abstract 240
- 3:00 THE ROLE OF BAX INHIBITION IN THE DEVELOPMENT OF POSTTRAUMATIC OSTEOARTHRITIS OF THE KNEE IN MICE.**
A Mehta and S Chen, Loma Linda, CA. Loma Linda University Abstract 241
- 3:15 PNEUMOCYSTIS JIROVECI PNEUMONIA IN A PATIENT WITH NEWLY DIAGNOSED SYSTEMIC LUPUS ERYTHEMATOSIS.**
A Kahr, K Demoruelle, K Deane, A Fischer and S West, Denver, CO. University of Colorado School of Medicine Abstract 242
- 3:30 ALCOHOL URTICARIA SYNDROME.**
JW Wong, K Harris and D Powell, San Francisco, CA and Salt Lake City, UT. University of Utah School of Medicine Abstract 243

Infectious Diseases

Sunset Center, Room # 6

Frederick Buckner and Fred Sattler, Presiding

- 1:30 NOVEL LENSFREE MICROSCOPE TECHNOLOGY BASED ON SHADOW IMAGING FOR THE DETECTION OF GIARDIA LAMBLIA OOCYSTS IN STOOL.**
SM Nadipuram, O Mudanyali, A Ozcan and K Nielsen, Los Angeles, CA. *David Geffen School of Medicine at UCLA (WSCI Travel Award Winner)* Abstract 244
- 1:45 IMAGING OF MALARIA PARASITES USING PORTABLE LENSFREE MICROSCOPES.**
O Mudanyali, W Bishara, S Nadipuram, U Sikora, T Su, O Yaglidere, R Ramasawmy, K Nielsen and A Ozcan, Los Angeles, CA and Manaus, Brazil. *David Geffen School of Medicine at UCLA* Abstract 245
- 2:00 REVIEW OF TRANSMITTED DRUG-RESISTANT HIV IN RESOURCE-LIMITED COUNTRIES.**
KM Stadel and DD Richman, La Jolla, CA and San Diego, CA. *University of California San Diego School of Medicine* Abstract 246
- 2:15 BUMPED KINASE INHIBITORS BLOCK MALARIA TRANSMISSION TO MOSQUITOES.**
RC Murphy, KK Ojo, O Billker, W Van Voorhis and DJ Maly, Seattle, WA and Hinxtton, United Kingdom. *University of Washington (WAFMR/WSCI Subspecialty Award Winner)* Abstract 247
- 2:30 HEPATITIS B VIRUS CO-INFECTION IN HUMAN IMMUNODEFICIENCY VIRUS POSITIVE FEMALE SEX WORKERS IN MOMBASA, KENYA: A PROSPECTIVE COHORT STUDY.**
S Day, K Odem-Davis, K Mandaliya, K Jerome, W Jaoko, HN Kim, SM Graham and RS McClelland, Seattle, WA and Nairobi, Kenya. *University of Washington (WSMRF)* Abstract 248
- 2:45 VIRAL GASTROENTERITIS IN CHILDREN IN COLORADO: A STOOL STORY.**
CM Osborne, C Robinson, S Schultz-Cherry and SR Dominguez, Aurora, CO and Memphis, TN. *University of Colorado School of Medicine* Abstract 249
- 3:00 CONFIDENTIALITY AND ACCESS TO SERVICES: PATIENT SATISFACTION AND SERVICE STRENGTHENING AT DESMOND TUTU HIV FOUNDATION YOUTH CENTRE CLINIC, MASIPHUMELELE TOWNSHIP, CAPE TOWN, SOUTH AFRICA.**
S Young, L Aquino, R Hoffman, W Dyani, T Coates and L Bekker, Los Angeles, CA and Cape Town, South Africa. *David Geffen School of Medicine at UCLA (WSMRF)* Abstract 250

3:15–3:30 Intermission

- 3:30 DECREASED T-HELPER 1 AND T-HELPER 2 CYTOKINE PRODUCTION BY CORD BLOOD MONONUCLEAR CELLS MAY CONTRIBUTE TO NEONATAL INFECTIONS.**
JE Caron, TR La Pine, NH Augustine, TB Martins, A Wilson and HR Hill, Salt Lake City, UT. *University of Utah* Abstract 251
- 3:45 PEDIATRIC COCCIDIOIDOMYCOSIS IN CENTRAL CALIFORNIA: A RETROSPECTIVE CASE SERIES.**
L Demetral, AM Bowser and J McCarty, Fresno, CA. *University of California, San Francisco, Fresno* Abstract 252
- 4:00 ATYPICAL PRESENTATION OF REACTIVE ARTHRITIS FOLLOWING AN OUTBREAK OF SALMONELLA ENTERICA.**
E Umyarova, G Sutamtewagul and S Phisitkul, Lubbock, TX. *Texas Tech University Health Science Center* Abstract 253
- 4:15 DEPRESSION IS COMMON IN TB PATIENTS AND IS ASSOCIATED WITH TREATMENT ABANDONMENT.**
DM Karlin, C Evans, C Loiselle, K Zevallos, F Fernandez, N Allen, R Montoya and D Boccia, Los Angeles, CA; London, United Kingdom and Lima, Peru. *David Geffen School of Medicine at UCLA (WAFMR/WSCI Subspecialty Award Winner) (WSMRF)* Abstract 254
- 4:30 *State-of-the-Art Speaker*
DRUG DISCOVERY IN ACADEMIA FOR PARASITIC DISEASES.**
Frederick S. Buckner, *University of Washington*

International and Immigrant Health Issues

Sunset Center, Bingham Room #3

Tom Nighswander, Presiding

- 1:30 A COMMUNITY-BASED DIABETES EDUCATION EVENT FOR THE HISPANIC POPULATION OF WEISER, IDAHO.**
J Connell, Seattle, WA. *University of Washington School of Medicine (WSMRF)* Abstract 255
- 1:45 A CULTURALLY-APPROPRIATE NUTRITIONAL GUIDE FOR THE DIABETIC HISPANIC COMMUNITY IN BREWSTER, WA.**
VF Dias, Seattle, WA. *University of Washington School of Medicine* Abstract 256
- 2:00 AN APPROACH TO PRIMARY CARE IN UNDER-SERVICED RURAL KENYA.**
J Evans and K Mueller, Vancouver, BC, Canada. *University of British Columbia* Abstract 257
- 2:15 CHALLENGES OF BICYCLE DISTRIBUTION IN RURAL WESTERN KENYA: A LOOK AT SUSTAINABILITY.**
K Fairbairn, A Wilson, J Hamilton, W Lau, L Harper, L Johnson, T Hong, T Tsang, V Owino, J Penner and V Kapoor, Vancouver, BC, Canada and Nairobi, Kenya. *University of British Columbia* Abstract 258

- 2:30 LOST IN TRANSLATION: IMPROVING QUALITY OF CARE THROUGH BILINGUAL PATIENT EDUCATION.**
J Foss, Seattle, WA. University of Washington School of Medicine Abstract 259
- 2:45 PREVENTING COGNITIVE DECLINE AND SOCIAL ISOLATION IN ASIAN/PACIFIC ISLANDER ELDERLY IN SEATTLE, WA.**
S Lin, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 260
- 3:00 TREATING MEN WHO HAVE SEX WITH MEN (MSM) IN URBAN PERU: A COMPARISON OF HEALTHCARE ACCESS, DELIVERY AND PERCEPTION IN 3 UNIQUE CLINICAL SETTINGS.**
C Redgate, J Clark and A Perez-Brumer, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 261

3:15–3:30 Intermission

- 3:30 LOW-COST CLOUD-BASED REMOTE AUSCULTATION.**
K Sarma, P Xia, J Lin, A Tan, J Bunn and KM Chandy, Los Angeles, CA; Pasadena, CA and Pittsburgh, PA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 262
- 3:45 IMPROVING HIV SERVICES IN A RURAL KENYAN SETTING.**
R Yang and A Mai, Vancouver, BC, Canada. University of British Columbia Abstract 263
- 4:00 DISSEMINATION THROUGH COMMUNITY HEALTH CENTERS SERVING DIVERSE POPULATIONS - A PILOT STUDY.**
M Christopher, J Edelson and S Tu, Seattle, WA. University of Washington (WSMRF) Abstract 264
- 4:15 CHANGES IN MEDICAL EDUCATION IN UGANDA SINCE 2005.**
A Gayman, J Kamulegeya, M Nakibuuka, A Hagopian and S Luboga, Seattle, WA and Kampala, Uganda. University of Washington School of Medicine (WSMRF) Abstract 265

Morphogenesis and Malformations

Sunset Center, Carpenter Hall

Anita E. Beck and Alan Rope, Presiding

- 1:30 PERIPHERAL MUSCLE WEAKNESS IN RASOPATHIES.**
D Stevenson, S Allen, W Tidyman, J Carey, D Viskochil, A Stevens, H Hanson, X Sheng, B Thompson, M Okumura, K Reinker, B Johnson and K Rauen, Salt Lake City, UT; San Francisco, CA and San Antonio, TX. University of Utah (WSPR) Abstract 266
- 1:45 MAPPING GLUCOSE TRANSPORTER-1 POSITIVE NERVE FIBERS IN THE TRANSITIONAL ZONE OF HIRSCHSPRUNG DISEASE.**
A Kennedy and R Kapur, Seattle, WA. University of Washington School of Medicine (WSPR Abbott Nutrition Lowell Glasgow Student Research Award) Abstract 267
- 2:00 MARSHALL-SMITH SYNDROME PATIENT WITH UNREPORTED FINDINGS AND POSITIVE NF1X MUTATION ANALYSIS.**
EL Leon, JC Carey, N Longo, S Jeffrey and D Viskochil, Salt Lake, UT. University of Utah (WSPR Mead Johnson Travel Award Winner) Abstract 268
- 2:15 CONGENITAL DIAPHRAGMATIC HERNIA AND GONADAL DYSGENESIS - A VERY RARE ASSOCIATION.**
E Esplin, A McKenney and JA Bernstein, Stanford, CA. Stanford University Medical Center Abstract 269
- 2:30 NUCHAL THICKENING AND CYSTIC HYGROMAS: PREDICTING POSTNATAL OUTCOMES FROM PRENATAL ULTRASOUNDS.**
BO Longstreet, K Balikrishnan, J Perkins, B Saltzman and M Dighe, Seattle, WA. University of Washington School of Medicine (WSPR Subspecialty Award Winner) (WSMRF) Abstract 270
- 2:45 CONSIDERING A VASCULAR PATHOGENESIS OF SMALL INTESTINAL ATRESIA: RISKS ASSOCIATED WITH 32 SINGLE NUCLEOTIDE POLYMORPHISMS INVOLVED IN HOMOCYSTEINE METABOLISM, COAGULATION, CELL-CELL INTERACTIONS, INFLAMMATORY RESPONSE, AND BLOOD PRESSURE REGULATION.**
T Gupta, W Yang, DM Iovannisci, SL Carmichael, DK Stevenson, GM Shaw and EJ Lammer, La Jolla, CA; Stanford, CA and Oakland, CA. University of California, San Diego (WSMRF) Abstract 271
- 3:00 CHROMOSOMAL MOSAICISM IDENTIFIED BY ACGH: A CASE OF TETRASOMY 12P.**
A Myers, JA Bernstein, A Cherry and MA Manning, Stanford, CA. Stanford University Abstract 272

3:15–3:30 Intermission

- 3:30 *State-of-the-Art Speaker***
THE CHROMOSOME 22q11.2 DELETION SYNDROME.
Alan F. Rope, University of Utah School of Medicine
- 4:00 UP-REGULATION OF TFAP2C BY FGF DURING SHH INDUCTION IN LIMB BUDS.**
DJ Kim, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 273
- 4:15 MOLECULAR INTERMEDIATES IN THE INDUCTION OF SHH BY FGF DURING LIMB DEVELOPMENT.**
EP Hundley, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University Abstract 274

- 4:30 IDENTIFICATION OF A REGULATORY REGION WITHIN THE EMX2 LOCUS THAT IS ACTIVE IN THE NEURAL TUBE AND DEVELOPING LIMB.**
JP Schober, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University Abstract 275

Neonatology Developmental Biology

All Saints Church, Sanctuary

Carlos Ramos and Robert Lane, Presiding

- 1:00 MATERNAL LOW PROTEIN DIET-MEDIATED CHANGES IN THE LIVER RENIN-ANGIOTENSIN SYSTEM.**
T Kim, R Goyal and LD Longo, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 276
- 1:15 MATERNAL PROTEIN DEPRIVATION AND LIVER ANGIOTENSIN II RECEPTOR EXPRESSION IN THE DEVELOPMENT OF HYPERTENSION.**
D Fisher, R Goyal and LD Longo, Loma Linda, CA. Loma Linda University Abstract 277
- 1:30 METHYLATION IN REGIONS OF EXECUTIVE FUNCTION IN THE DEVELOPING HUMAN BRAIN.**
C Wilson, N Harlaar, J Phillips, S McConaghy, M Morgan and RK Ohls, Albuquerque, NM. University of New Mexico (WSPR Subspecialty Award Winner) Abstract 278
- 1:45 SR-1 ANTIBODY EXHIBITS DOSE DEPENDENT INHIBITION OF HUMAN UMBILICAL CORD BLOOD CD34+ HEMATOPOIETIC PROGENITOR COLONY FORMATION.**
KL Ponder, CI Lee, K Nakayama, D Prater, MC Yoder and AF Tarantal, Sacramento, CA; Davis, CA and Indianapolis, IN. University of California, Davis Medical Center (WSPR Pediatric Resident Research Award Winner) (WSMRF) Abstract 279
- 2:00 A COMPARATIVE STUDY OF PLURIPOTENCY MARKERS IN EMBRYONIC STEM CELLS AND INDUCED PLURIPOTENT STEM CELLS.**
DC Julien, K Verma and E Zambidis, Seattle, WA and Baltimore, MD. University of Washington School of Medicine Abstract 280
- 2:15 INSULIN LIKE GROWTH FACTOR-1 VARIANTS IN THE LIVER ARE ALTERED IN A GENDER SPECIFIC MANNER IN INTRAUTERINE GROWTH RESTRICTED RATS ON A HIGH FAT DIET COMPARED TO CONTROLS.**
J Zalla, E Zinkhan, L Joss-Moore and RH Lane, Salt Lake City, UT. University of Utah Abstract 281
- 2:30 MATERNAL DHA SUPPLEMENTATION NORMALIZES EFFECTS OF IUGR ON HEPATIC STEATOSIS AND HEPATIC PPAR γ 2 MRNA IN JUVENILE MALE RATS.**
B Lang, Y Wang, C Jiang, X Yu, C Callaway, K Albertine, L Joss-Moore and R Lane, Salt Lake City, UT. University of Utah (WSPR Mead Johnson Travel Award Winner) Abstract 282
- 2:45 EFFECT OF LEPTIN ON PERTURBED HYPOTHALAMIC NEUROPEPTIDE EXPRESSION AND ENERGY BALANCE IN PERINATAL CALORIE RESTRICTION.**
L Gibson, B Shin, Y Dai and S Devaskar, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 283

3:00–3:15 Intermission

- 3:15 INTRAUTERINE GROWTH RESTRICTION INCREASES MRNA LEVELS OF CARDIAC GENES IN ADULTHOOD.**
R Bierer, J Wang, X Yu, C Callaway, L Joss-Moore, R McKnight and R Lane, Salt Lake City, UT. University of Utah Abstract 284
- 3:30 *State-of-the-Art Speaker***
THE PATHOLOGY OF NEONATAL PULMONARY HYPERTENSION.
Carlos G. Ramos, University of New Mexico
- 4:00 USING ZEBRAFISH TO MODEL WHITE MATTER DISORDERS: A FOCUS ON OLIGODENDROCYTES.**
K Leasia, Aurora, CO. University of Colorado School of Medicine Abstract 285
- 4:15 CARNOSOL SUPPLEMENTATION DURING CRYOPRESERVATION PREVENTS DNA DAMAGE IN HUMAN SPERMATOZOEA.**
JH Wang and CH Muller, Seattle, WA. University of Washington School of Medicine Abstract 286
- 4:30 FGF-INDUCED ACTIVATION OF THE LIMB SPECIFIC SHH REGULATORY REGION (LSSRR).**
TW Bailey, C Pira and K Oberg, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 287
- 4:45 IDENTIFICATION OF A PROTEOGLYCAN-ASSOCIATED REGULATORY REGION ACTIVE DURING CENTRAL NERVOUS SYSTEM DEVELOPMENT.**
AV Hong, JM Feenstra, CU Pira and KC Oberg, Loma Linda, CA. Loma Linda University (WSMRF) Abstract 288

Neonatology General II

All Saints Church, Auditorium

Camille Fung and Robert L. Schelonka, Presiding

- 1:00 AMINO ACIDS ENHANCE GLUCOSE STIMULATED INSULIN SECRETION AND ARGININE STIMULATED GLUCAGON SECRETION IN THE OVINE FETUS.**
M Gadhia, A Maliszewski, M O'Meara, S Thorn, J Lavezzi, W Hay, L Brown and P Rozance, Denver, CO. University of Colorado (WSPR Mead Johnson Travel Award Winner) Abstract 289

- 1:15** **PROLONGED INFUSION OF AMINO ACIDS INCREASES LEUCINE OXIDATION IN THE OVINE FETUS.**
A Maliszewski, M Gadhia, M O'Meara, S Thorn, W Hay, P Rozance and L Brown, Denver, CO. University of Colorado Abstract 290
- 1:30** **THE EFFECTS OF ACIDIFICATION ON HUMAN MILK'S CELLULAR AND NUTRITIONAL PROPERTIES.**
TA Erickson, G Gill and GM Chan, Salt Lake City, UT. University of Utah Abstract 291
- 1:45** **IUGR INCREASES HEPATIC CHOLESTEROL LEVELS WITHOUT CHANGING SREBP2 AND HMGCOA REDUCTASE MRNA LEVELS IN FEMALE RATS FED A HIGH CHOLESTEROL DIET.**
E Zinkhan, J Chin, X Yu, C Jiang, C Callaway, L Joss-Moore and R Lane, Salt Lake City, UT. University of Utah Abstract 292
- 2:00** **AN INTERVENTION TO INCREASE BREASTMILK USAGE IN VERY LOW BIRTH WEIGHT INFANTS ACROSS CALIFORNIA NICUS.**
HC Lee, P Kurtin, B Danielsen and P Sharek, Pleasanton, CA; Stanford, CA; and San Diego, CA. University of California San Francisco (WSPR) Abstract 293
- 2:15** **LIMITING FEEDING CHANGES APOPTOSIS AND PROLIFERATION IN THE LIVER OF PRETERM LAMBS SUPPORTED BY NASAL HIGH-FREQUENCY VENTILATION.**
C Block, J Jewel, A Smith, J Alvord, B Houston, J Wimmer, S Jensen, L Dong, MJ Dahl, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner) (WSMRF) Abstract 294
- 2:30** **ENDOTHELIAL PR REGULATES UTERINE NEUTROPHIL TRAFFICKING.**
JM Enciso, L Goddard and M Iruela-Arispe, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 295
- 2:45** **MATERNAL AND INFANT CAROTENOID STATUS: BIRTH TO 4 MONTHS OF AGE.**
J Sun, M Ward, C Rau and GM Chan, Salt Lake City, UT. University of Utah Abstract 296
- 3:00** **RATES OF VITAMIN D AND IRON SUPPLEMENTATION AMONG FORMER VERY PRETERM (<32 WEEKS) INFANTS AFTER DISCHARGE FROM THE NEONATAL INTENSIVE CARE UNIT.**
A Kim, K Eidson, J Lee, A Tremaine, G Lee and K Houglan, Loma Linda, CA. Loma Linda University School of Medicine Abstract 297

3:15–3:30 Intermission

- 3:30** **RATES OF BREAST FEEDING IN HIGH RISK INFANTS.**
J Lee, A Kim, K Eidson, G Lee, A Tremaine and K Houglan, Loma Linda, CA. Loma Linda University Abstract 298
- 3:45** **RATES OF TRANSITIONAL FORMULA USE IN PRETERM NEONATAL INTENSIVE CARE GRADUATES.**
K Eidson, J Lee, A Kim, G Lee, A Tremaine and K Houglan, Loma Linda, CA. Loma Linda University School of Medicine Abstract 299
- 4:00** **ANTENATAL METYRAPONE NORMALIZES MATERNAL FOOD-RESTRICTION-INDUCED MYOGENIC LUNG PHENOTYPE.**
D Paek, Y Li, R Sakurai, J Torday and VK Rehan, Torrance, CA. Harbor UCLA Medical Center Abstract 300
- 4:15** **EFFECT OF A LOW DOSE OF ZINC DEUTEROPORPHYRIN BIS GLYCOL IN INHIBITING HEME OXYGENASE ACTIVITY AFTER HEME-LOADING.**
Y Katayama, FS Kalish, H Zhao, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine Abstract 301
- 4:30** **IN VITRO BILIRUBIN PHOTODESTRUCTION ACTION SPECTRUM REVISITED.**
S Schulz, HJ Vreman, RJ Wong, B Cline and DK Stevenson, Stanford, CA. Stanford University School of Medicine Abstract 302
- 4:45** **DOSE OF PENTOBARBITAL ALTERS APOPTOSIS AND PROLIFERATION IN THE LUNG, BRAIN, AND LIVER OF CHRONICALLY VENTILATED PRETERM LAMBS.**
B Houston, J Jewel, J Alvord, J Wimmer, C Block, S Jensen, L Dong, MJ Dahl, RA McKnight, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah Abstract 303
- 5:00** **A CASE OF ARTERIAL THROMBOEMBOLISM-CAUSED BY DISSEMINATED INTRAVASCULAR COAGULATION IN A NEONATE.**
S Kim, S Oh and S Park, Bucheon, Korea, Republic of. Soonchunhyang University Abstract 304

Nephrology and Hypertension

Sunset Center, Conductor's Room

Susanne Nicholas and Charles Edelstein, Presiding

- 1:30** **PROLYL-OLIGOPEPTIDASE INHIBITION AMELIORATES EXPERIMENTAL HYPERTENSION AND DECREASES INFLAMMATORY CYTOKINES IN MICE LACKING ANGIOTENSIN CONVERTING ENZYME N DOMAIN ACTIVITY.**
FS Ong, K Bernstein and S Fuchs, Los Angeles, CA. Cedars-Sinai Medical Center (WSCI Travel Award Winner) Abstract 305
- 1:45** **RENAL PROTECTION FROM COLD ISCHEMIA IN HIBERNATING MAMMALS.**
A Jani, S Jain and C Edelstein, Denver, CO. University of Colorado Denver Abstract 306
- 2:00** **IMPROVING DECEASED DONOR TRANSPLANTATION FOR HIGHLY-HLA SENSITIZED PATIENTS.**
SC Jordan, N Reinsmoen, C Lai, K Cao, JA Kahwaji, AA Peng, R Villicana and AA Vo, Los Angeles, CA. Cedars-Sinai Medical Center (WAP, WSPR) Abstract 307
- 2:15** **THE EFFECTS OF ETHNICITY ON ASSOCIATION BETWEEN C-REACTIVE PROTEIN AND KIDNEY FUNCTION IN PATIENTS WITH DIABETES.**
SK Sinha, SB Nicholas, M Shaheen and D Pan, Los Angeles, CA. Charles R. Drew University of Medicine and Science Abstract 308

- 2:30 GLOMERULOSCLEROSIS PREDICTS RENAL FUNCTION FOLLOWING LIVER TRANSPLANTATION.**
J Huskey, R Pichler and C Davis, Seattle, WA. University of Washington Abstract 309
- 2:45 SODIUM THIOSULFATE.**
D Patel, E Burns and J Hall, Kansas City, MO. University of Missouri-Kansas City Abstract 310

3:00–3:15 Intermission

- 3:15 State-of-the-Art Speaker**
THE BOTTLENECKS FOR STEM CELL AND KIDNEY TRANSPLANT PROTOCOLS.
Connie Davis, University of Washington
- 4:00 CASE REPORT: BILATERAL OBSTRUCTIVE URIC ACID CALCULI IN A 7 YEAR OLD BOY ON THE COG 9952 REGB PROTOCOL FOR TREATMENT OF LOW GRADE ASTROCYTOMA.**
L Harper, J Masterson and J Mickelson, Vancouver, BC, Canada. University of British Columbia Abstract 311
- 4:15 MATERNAL PROTEIN DEPRIVATION MEDIATED CHANGES IN THE LIVER RENIN- ANGIOTENSIN SYSTEM.**
S Wirawan, R Goyal and LD Longo, Loma Linda, CA. Loma Linda University School of Medicine (WSMRF) Abstract 312

Pulmonary and Critical Care

Carmel Women's Club

Michel Boivin, Presiding

- 1:30 COMPARISON OF TWO-RESCUER BAG-VALVE-MASK VENTILATION TECHNIQUES ON AN AIRWAY MANIKIN.**
MS Anderson, W Rowland and D Braude, Albuquerque, NM. University of New Mexico (WSMRF) Abstract 313
- 1:45 EFFECT OF ENDOTOXIC SHOCK AND ECMO ON REGIONAL BLOOD FLOW.**
A Klui, S Batts, S McEntire and C Uyehara, Honolulu, HI. Tripler Army Medical Center Abstract 314
- 2:00 THE IMPACT OF RESPIRATORY VIRUSES ON ACUTE REJECTION AND ALLOGRAFT DYSFUNCTION IN LUNG TRANSPLANT RECIPIENTS.**
DM Sayah, JL Koff, LE Leard, JA Golden and JP Singer, San Francisco, CA. University of California, San Francisco (California Thoracic Society Scholar Winner) (CTS) Abstract 315
- 2:15 EFFECTS OF NON-STEROIDAL ANTI-INFLAMMATORY DRUGS ON THE HYPOXIC VENTILATORY RESPONSE AND ACCLIMATIZATION TO CHRONIC HYPOXIA IN HUMANS.**
B Ho, E Ellis, R Zarndt, S Hopkins and F Powell, San Diego, CA. University of California, San Diego School of Medicine (WAFMR/WSCI Subspecialty Award Winner) (WSMRF) Abstract 316
- 2:30 INTRONIC CYTOCHROME P450 POLYMORPHISM AND PEDIATRIC ASTHMA CONTROL WITH INHALED FLUTICASONE PROPIONATE.**
C Stockmann, R Ward, F Nkoy, C Moore, J Roberts, D Uchida, R Gaedigk, S Leeder, G Yost and B Fassl, Salt Lake, UT and Kansas City, MO. University of Utah (WSCI Travel Award Winner) Abstract 317
- 2:45 RELATIONSHIP BETWEEN PULMONARY VASCULAR VOLUME AND LUNG STRUCTURE AND FUNCTION IN HUMANS.**
S Lau, EC Wong, CM Wheatley, NA Cassuto, CL Daines, D Gilbertson, EM Snyder, FD Martinez and WJ Morgan, Tucson, AZ. University of Arizona Abstract 318
- 3:00 AFFECT OF CIGARETTE SMOKE ON COLOCALIZATION OF GUANINE EXCHANGE FACTOR H1 AND RHO IN RESPIRATORY EPITHELIUM.**
SA Soiseth and C Knall, Seattle, WA and Anchorage, AK. University of Washington School of Medicine Abstract 319
- 3:15 State-of-the-Art Speaker**
UPDATE ON SEPSIS.
H. Bryant Nguyen, Loma Linda University
- 3:45 POOR SOCIAL SUPPORT PREDICTS BASELINE AND INCIDENT DEPRESSION IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE.**
M Zutler, M Cisternas, J Singer, P Katz and P Blanc, San Francisco, CA and Carlsbad, CA. University of California, San Francisco (CTS) Abstract 320
- 4:00 ATTENUATED BETA ADRENERGIC RECEPTOR MEDIATED PULMONARY VASODILATION IN HIGH ALTITUDE TERM-FETAL SHEEP.**
JH Kim, LD Longo and SM Wilson, Loma Linda, CA. Loma Linda University Medical Center (CTS) Abstract 321
- 4:15 INTER- AND INTRA-OBSERVER VARIATION IN MEASURING PART-SOLID LUNG NODULES USING CONVENTIONAL AND SEMI-AUTOMATED METHODS.**
I Cho, D Miller, A Scherzinger and K Garg, Aurora, CO. University of Colorado Denver Abstract 322
- 4:30 PLACEMENT OF A FULLY COVERED, SELF-EXPANDING NITINOL AIRWAY STENT UNDER DIRECT FLEXIBLE BRONCHOSCOPIC VISUALIZATION.**
C Poon, H Ismail and K Yoneda, Sacramento, CA. University of California, Davis Abstract 323
- 4:45 INTER-ALPHA INHIBITORY PROTEIN IN PEDIATRIC SEPSIS - ANALYSIS OF A CONTROL POPULATION.**
J Bennett, WD Tandberg and JG Park, Albuquerque, NM. University of New Mexico Abstract 324

- 5:00 **CONTINUOUS INFUSION OF CROTALINE FAB ANTIVENOM FOR MANAGEMENT OF SEVERE MULTI-SYSTEM ENVENOMATION.**
JH Kim, S Bush, S Seifert, E Reibling and T Phan, Loma Linda, CA; and Albuquerque, NM. Loma Linda University Medical Center Abstract 325
- 5:15 **TRIMMING THE FAT WAS A BREATH OF FRESH AIR: A CASE REPORT OF A RARE ENDOBRONCHIAL LESION.**
S Farshidpanah, A Chrissian and G Cheek, Loma Linda, CA. Loma Linda University Medical Center (California Thoracic Society Scholar Winner) Abstract 326
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CALIFORNIA THORACIC SOCIETY

PULMONARY PERSPECTIVES: SLEEP APNEA

Carmel Mission Inn

Friday, January 27, 2012

1:00 PM – 4:00 PM

- 1:00 **WELCOME – PRE-TEST**
Russell C. Klein and Michael Schivo
- 1:15 **ADULT WITH SLEEP APNEA**
Case presentation: Charles Poon, *University of California Davis*
Mini lecture: Kimberly Hardin, *University of California Davis*
- 2:00 **PEDIATRIC SLEEP APNEA**
Case presentation: Robert Blount, *University of California, San Francisco*
Mini lecture: Gwynne Church, *University of California, San Francisco*
- 2:45 **BREAK**
- 3:15 **COMPLEX CASE: OLDER PATIENT PRESENTING WITH MULTIPLE CONDITIONS**
Case presentation: Ronso Sato, *Stanford University School of Medicine*
Mini lecture: Anstella Robinson, *Stanford University School of Medicine*
- 4:00 **PANEL DISCUSSION/CLOSING COMMENTS AND POST-TEST**

This session is not certified for *AMA PRA Category 1 Credit™* by Tulane University Health Sciences Center.

BREAKFAST-WITH-THE-INVESTIGATOR

Monterey Beach Hotel – Captain’s Table Room

7:00 AM – 8:00 AM

Saturday, January 28, 2012

Point Alones and Point Pinos Room

JUGGLING A CAREER COMBINING BASIC RESEARCH AND CLINICAL CARE

Katrina Dipple, *David Geffen School of Medicine at UCLA*

BALANCING CAREER, FAMILY, AND LIFE

Gary Satou, MD and Nancy Satou, RN, *David Geffen School of Medicine at UCLA*

HOW TO NAVIGATE YOUR FUTURE: HARNESSING THE “FIRE IN YOUR BELLY.”

Jacqueline Casillas, *David Geffen School of Medicine at UCLA*

This session is not certified for *AMA PRA Category 1 Credit™*.

CALIFORNIA THORACIC SOCIETY
PULMONARY PERSPECTIVES: PNEUMONIA

Carmel Mission Inn
Saturday, January 28, 2012
8:00 AM – 12:00 PM

- 8:00 WELCOME – PRE-TEST**
Russell C. Klein and Amir Zeki
- 8:15 SEVERE COMMUNITY – ACQUIRED PNEUMONIA (CAP)**
Case presentation: Jason Adams, *University of California, Davis*
Mini lecture: Richard Wunderink, *Northwestern University, Feinberg School of Medicine*
- 9:00 VENTILATOR ASSOCIATED PNEUMONIA (VAP)**
Case presentation: Yasmin Shaw, *University of California, Davis*
Mini lecture: Christian Sandrock, *University of California, Davis*
- 9:45 BREAK**
- 10:15 SEVERE INFLUENZA/H1N1 PNEUMONIA IN PEDIATRIC/TEEN**
Case presentation: James Howard, *University of California, San Francisco*
Mini lecture: Heidi Flori, *Children's Hospital & Research Center Oakland*
- 11:00 PANEL DISCUSSION/CLOSING COMMENTS AND POST-TEST**
- 12:00 ADJOURN**

This session is not certified for *AMA PRA Category 1 Credit™* by Tulane University Health Sciences Center.

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

Regenerative Medicine

Sunset Center Theater
8:30 AM – 12:00 PM
Saturday, January 28, 2012

Robb MacLellan and Carlin Long, Presiding

- 8:30 WAP DISTINGUISHED LECTURESHIP**
HEART BREAKING AND HEART MAKING: NEW STRATEGIES FOR CARDIAC REGENERATION.
Eric Olson, University of Texas Southwestern
- 9:15 WSPR STANLEY WRIGHT MEMORIAL LECTURE**
EGFR REGULATES REGENERATION AND LIMITS TUMORIGENESIS IN THE MOUSE COLON.
Brent Polk, University of Southern California Keck School of Medicine

10:00–10:15 Intermission

- 10:15 iPSCs FOR CARDIOVASCULAR DISEASE MODELING**
Joseph Wu, Stanford University
- 11:00 WSCI MAYO SOLEY AWARD**
Presenter: John T. Nicoloff, *University of Southern California*
Recipient: Shelly Lu, *University of Southern California*
- 11:15 AUTOISLET TRANSPLANTATION: A BRIDGE TO STEM CELL THERAPY FOR DIABETES**
R. Paul Robertson, Pacific Northwest Diabetes Research Institute and University of Washington
- 12:00 ADJOURN**

CONCURRENT SESSIONS

**Saturday, January 28, 2012
1:00 PM**

Jointly sponsored by

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

Adolescent Medicine and General Pediatrics.....	Auditorium, All Saints Church
Endocrinology and Metabolism III.....	Carlson Hall, Church of the Wayfarer
Exercise and Health Maintenance.....	Rehearsal Room, Sunset Center
General Internal Medicine and Aging.....	Promenade Lobby, Sunset Center
Hematology and Oncology II.....	Studio #105, Sunset Center
Immunology and Rheumatology II.....	Chapman #4, Sunset Center
Neonatal Pulmonary II.....	Sanctuary, All Saints Church
Neuroscience II.....	Conductor's Room, Sunset Center
Surgery II.....	Green Room, Sunset Center
Surgical Procedures.....	Bingham Room #3, Sunset Center

Adolescent Medicine and General Pediatrics

Auditorium, All Saints Church

Alberta Kong and Caroline Barangan, Presiding

1:00	ADVOCACY AT A NATIONAL LEVEL DURING RESIDENCY: A RESIDENT'S REFLECTIONS ON LESSONS LEARNED.	
	<i>R Kar, M Weiss and S Yang, Fresno, CA and Pomona, CA. University of California, San Francisco-Fresno (WSMRF)</i>	Abstract 327
1:15	ATTITUDES OF PARENTS TOWARD CHILDHOOD VACCINATION IN THE UNDERSERVED POPULATION.	
	<i>U Dinh and AK Cho, Los Angeles, CA. David Geffen School of Medicine at UCLA</i>	Abstract 328
1:30	PREDICTABILITY OF ABNORMAL ECGS IN THE PEDIATRIC POPULATION.	
	<i>M Sandoval, J Whitefield, M Tennison and A Green, Albuquerque, NM and Washington, DC. University of New Mexico School of Medicine</i>	Abstract 329
1:45	SWIMMERS MAY NOT FOCUS ON THEIR MOST INJURED BODY REGION DURING DRYLAND TRAINING.	
	<i>KJ Hancock, BJ Krabak and S Drake, Seattle, WA and Jonesboro, AR. University of Washington</i>	Abstract 330
2:00	SPORTS CONCUSSION EVALUATION AND MANAGEMENT IN WASHINGTON STATE HIGH SCHOOLS.	
	<i>A Petrosian, M Kaufman, D Colonno and J Leahy, Seattle, WA. University of Washington School of Medicine (WSMRF)</i>	Abstract 331
2:15	ASSESSING THE FEASIBILITY OF A DIABETES RISK REDUCTION PROGRAM FOR MULTIETHNIC ADOLESCENTS AND YOUNG ADULTS.	
	<i>A Mandeville, M Jenkins, A Harris, R Wold, B Skipper and A Kong, Albuquerque, NM. University of New Mexico, Health Sciences Center (WSMRF)</i>	Abstract 332
2:30	WHITE MATTER INTEGRITY IN INSULA AND FORNIX IMPLICATED IN BULIMIA NERVOSA NERVOSA.	
	<i>LN Mettler, M Shott, M Rollin and G Frank, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner)</i>	Abstract 333

2:45 – 3:00 Intermission

3:00	State-of-the-Art Speaker INTERVENTIONS FOR TREATING OBESITY IN ADOLESCENTS. <i>Alberta Kong, University of New Mexico</i>	
3:30	EXPLORING RISK FACTORS FOR STONE FORMATION AMONG RURAL UGANDAN CHILDREN. <i>A Burbank, C White, M Bardi, L Chow, W Cannon and A Macnab, Vancouver, BC, Canada. University of British Columbia</i>	Abstract 334
3:45	CASE REPORT: BILATERAL OBSTRUCTIVE URIC ACID CALCULI IN A 7 YEAR OLD BOY ON THE COG 9952 REGB PROTOCOL FOR TREATMENT OF LOW GRADE ASTROCYTOMA. <i>L Harper, J Masterson and J Mickelson, Vancouver, BC, Canada. University of British Columbia</i>	Abstract 335

- 4:00 LEARN PEDIATRICS: EVALUATION OF A WEB-BASED RESOURCE FOR MEDICAL STUDENTS LEARNING PEDIATRIC CLINICAL SKILLS.**
R Chen, D Yung, W Cannon, A Jekyll, E Statham, J Bishop, J Collet, E Swartz and A Macnab, Vancouver, BC, Canada. *University of British Columbia* Abstract 336
- 4:15 MEDICAL STUDENT INVOLVEMENT WITH LEARNPEDIATRICS.COM: AN EDUCATIONAL WEB-BASED RESOURCE.**
D Yung, R Chen, A Jekyll, E Statham, J Bishop, J Collet, E Swartz, W Cannon and A Macnab, Vancouver, BC, Canada. *University of British Columbia* Abstract 337
- 4:30 PATTERNS AND PREDICTORS OF MEDICATION USE IN CHILDREN AND ADOLESCENTS WITH AUTISM SPECTRUM DISORDER.**
G Han, J Munson, L Elder, G Dawson, S Dager, B King and A Estes, Seattle, WA; New York, NY and Chapel Hill, NC. *University of Washington (WSMRF)* Abstract 338
- 4:45 PARENTAL ATTITUDES TOWARDS CIRCUMCISION.**
GB Taylor, Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 339
- 5:00 MATERNAL CHILD HEALTH NEEDS ASSESSMENT IN DOLPA DISTRICT, WESTERN NEPAL.**
K Westmoreland, T Dickerson, F Nkoy and B Fassl, Salt Lake City, UT. *University of Utah (WSPR Mead Johnson Travel Award Winner)* Abstract 340

Endocrinology and Metabolism III

Church of the Wayfarer, Carlson Hall

Karen Foster-Schubert and Vince Montes, Presiding

- 1:15 REGULATION OF MYOGENIC DIFFERENTIATION AND CELL PROLIFERATION IN MUSCLE SATELLITE CELLS BY FOLLISTATIN.**
M Braga, S Bhasin, R Jasuja, S Pervin and R Singh, Los Angeles, CA and Boston, MA. *Charles Drew University* Abstract 341
- 1:30 ACCURATE MEASUREMENT OF THYROGLOBULIN IN SERUM IN PRESENCE OF ANTI-THYROGLOBULIN AUTOANTIBODIES.**
MM Kushnir, AL Rockwood, WL Roberts, AN Hoofnagle and AW Meikle, Salt Lake City, UT and Seattle, WA. *ARUP Laboratories* Abstract 342
- 1:45 CONGENITAL HYPOTHYROIDISM CAUSED BY EXCESS MATERNAL IODINE INGESTION: A CASE SERIES.**
K Connelly, B Boston, E Pearce, D Sesser and S Lafranchi, Portland, OR and Boston, MA. *Oregon Health Science University* Abstract 343
- 2:00 USE OF LOW-DOSE ACTH STIMULATION TO DETECT ACTH INSUFFICIENCY IN A PEDIATRIC POPULATION: IDENTIFYING IDEAL CORTISOL COLLECTION TIMES.**
VA Ramirez and R Kinman, Fresno, CA and Madera, CA. *University of California, San Francisco-Fresno* Abstract 344
- 2:15 THE USE OF 17- α -HYDROXYPROGESTERONE TO 11-DEOXYCORTISOL RATIO IN NEWBORN SCREENING OF CONGENITAL ADRENAL HYPERPLASIA.**
RA Hicks, BF Ferreira, CS Mao, JK Yee and W Lee, Torrance, CA. *Harbor-UCLA Medical Center (WSPR)* Abstract 345
- 2:30 ROLE OF GLYCEMIA IN INSULIN SENSITIVITY IN ADOLESCENTS WITH TYPE 1 AND TYPE 2 DIABETES.**
S Alam, A West, M Downey, J Forster-Harwood, JE Reusch and KJ Nadeau, Aurora, CO and Norfolk, VA. *Eastern Virginia Medical School* Abstract 346
- 2:45 HOW SWEET IT IS: GLYCATED HEMOGLOBIN IN THREE GROUPS OF WORKERS.**
LW Raymond, J Pankowski, K Sensenbrenner and H Shiflett, Chapel Hill, NC and Charlotte, NC. *University of North Carolina, Chapel Hill (WAFMR)* Abstract 347
- 3:00 GESTATIONAL DIABETES AWARENESS IN A HIGH-RISK GROUP: REACHING HISPANIC WOMEN IN BELLINGHAM, WA.**
A Piazza, Seattle, WA. *University of Washington School of Medicine* Abstract 348

3:15 – 3:30 Intermission

- 3:30 PROMOTING DIABETES SELF-MANAGEMENT IN INDIAN AND EAST AFRICAN PATIENTS.**
S McGuffin, Seattle, WA. *University of Washington* Abstract 349
- 3:45 EVALUATION OF COMPREHENSIVE DIABETIC EDUCATION PROGRAM IN TAOS COUNTY.**
M Seiler, G Ismail, J Eldredge and D Tandberg, Taos, NM and Albuquerque, NM. *University of New Mexico School of Medicine* Abstract 350
- 4:00 DIABETES CONNECTED HEALTH EVALUATION.**
E Ling, M Mohammed, J Kvedar and K Jethwani, Sacramento, CA and Boston, MA. *University of California, Davis School of Medicine* Abstract 351
- 4:15 PREDICTORS OF WITHDRAWAL IN A TRIAL OF SAW PALMETTO FOR TYPE-2 DIABETES.**
AE Buerger and JT Martin, Pomona, CA. *College of Osteopathic Medicine Western University of Health Sciences* Abstract 352
- 4:30 SILYMARIN, A DRUG THAT LOWERS GLYCEMIA IN TYPE 2 DIABETES, AUGMENTS GLUCOSE-STIMULATED INSULIN SECRETION VIA ITS EFFECTS TO INCREASE CAMP LEVELS AND CLOSE K ATP CHANNELS IN HIT-T15 CELLS.**
SN Vallerie, R Meng, S Parazzoli, J Mahadevan and R Robertson, Seattle, WA. *Pacific Northwest Diabetes Research Institute (WSCI Travel Award Winner)* Abstract 353

- 2:45 **State-of-the-Art Speaker**
THE TIMING HYPOTHESIS: A PARADIGM SHIFT IN CARDIOVASCULAR DISEASE PREVENTION.
 Howard N. Hodis, *University of Southern California* Abstract 371

3:15–3:30 Intermission

- 3:30 **CORRELATES AND PREVALENCE OF URINARY INCONTINENCE AMONG OLDER, COMMUNITY-DWELLING CALIFORNIANS.**
E Dubina, A Khan and J Anger, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 372
- 3:45 **HUMAN LENS IMAGING FOR EARLY DIAGNOSIS OF ALZHEIMER'S DISEASE.**
A Van Nortwick, JI Clark, E Arnett, D Cross, S Minoshima and T Shen, Seattle, WA. University of Washington Abstract 373
- 4:00 **DIFFERENTIAL EFFECTS OF EXOGENOUS INDUCED OXIDATIVE STRESS ON HUMAN SPERMATOZOA DNA INTEGRITY AND MOTILITY.**
C Reiner and C Muller, Seattle, WA. University of Washington (WSMRF) Abstract 374
- 4:15 **KIKUCHI-FUJIMOTO LYMPHADENITIS.**
JW Wong and TL Werner, Salt Lake City, UT. University of Utah Abstract 375
- 4:30 **CAN THE TIMED UP AND GO DEFINE SEVERITY OF FALL RISK?**
J Herbert and E Phelan, Seattle, WA. University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner) Abstract 376

Hematology and Oncology II

Sunset Center, Studio 105

Virginia Broudy, *Presiding*

- 1:30 **HIGH BCL11B EXPRESSION IS CORRELATED WITH HIGH C-MYC EXPRESSION AND ANTI-APOPTOTIC PHENOTYPE IN MEDULLOBLASTOMA.**
B Cristiano, D Birks, I Alimova and R Vibhakar, Denver, CO and Aurora, CO. University of Colorado Abstract 377
- 1:45 **NITRIC OXIDE POTENTIATES VITAMIN D INDUCED INHIBITION OF MAMMARY CANCER STEM CELL PROLIFERATION: INSIGHTS FROM IN VITRO AND IN VIVO STUDIES.**
R Singh, M Hewison, R Chun, A Karam, M Braga, G Chaudhuri and S Pervin, Los Angeles, CA. Charles Drew University (WSCI) Abstract 378
- 2:00 **P-SELECTIN LOCALIZATION IN PLATELET AGGREGATES FORMED UNDER FLOW.**
DA Illing, G Brodsky and J DiPaola, Aurora, CO. University of Colorado School of Medicine (WSMRF) Abstract 379
- 2:15 **DELETION OF SYNDECAN-4 REDUCES B16-F10 MELANOMA TUMOR SIZE, DELAYS TUMOR GROWTH, AND INCREASES TUMOR VASCULAR DENSITY IN C57/BL6 MICE.**
AI McDonald, A Torres-Collado and L Iruela-Arispe, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 380
- 2:30 **AN EVALUATION OF THE QUALITY OF ONLINE RESOURCES FOR BREAST CANCER PATIENTS.**
B Brar, J Lin and P Ingledew, Vancouver, BC, Canada and Surrey, BC, Canada. University of British Columbia (WSMRF) Abstract 381
- 2:45 **UNCOUPLING NF-KB SIGNALING FROM PRO-SURVIVAL AND PRO-METASTATIC ACTIVITIES IN BREAST CANCER CELLS.**
JE Ferguson, AM Gonzalez and RA Orlando, Albuquerque, NM. University of New Mexico Abstract 382

3:00–3:15 Intermission

- 3:15 **CHARACTERIZATION OF FALLOPIAN TUBE EPITHELIAL CELLS AS POSSIBLE PRECURSORS FOR SEROUS OVARIAN CANCER.**
VS Velasco, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 383
- 3:30 **REDUCED INCIDENCE OF EARLY INVASIVE FUNGAL INFECTION IN ALLOGENEIC TRANSPLANT PATIENTS FOLLOWING MICAFUNGIN PROPHYLAXIS.**
D To, D Warkentin, R Broady and MM Power, Vancouver, BC, Canada. University of British Columbia Abstract 384
- 3:45 **DEFINING VENOUS THROMBOEMBOLISM IN PATIENTS WITH CANCER.**
P Brittain, S Kelly and D Garcia, Albuquerque, NM. University of New Mexico Abstract 385
- 4:00 **⁶⁴CU-LIPOSOMES VS. [¹⁸F]FLUORODEOXYGLUCOSE AS POSITRON EMISSION TOMOGRAPHY CONTRAST AGENTS IN THE MURINE MET-1 TUMOR MODEL.**
A Wong, E Ormsby, H Zhang, JW Seo and K Ferrara, Davis, CA. University of California, Davis (WSMRF) Abstract 386
- 4:15 **DETECTION OF MESOTHELIOMA USING AUTOANTIBODY SIGNATURES.**
D Thomas, L Zhao, X Zhang and L Zhong, Pomona, CA. Western University Abstract 387
- 4:30 **OUTCOME OF RETROPERITONEAL SARCOMAS TREATED AT THE UNIVERSITY OF WASHINGTON.**
P Bremjit, D Byrd, RL Jones, G Kane, S Chai, B Kurland, E Rodler, E Loggers, S Pollack, J White, B Hoch, V Pillarisetty and G Mann, Seattle, WA. University of Washington Abstract 388
- 4:45 **LEARNING ONCOLOGY FROM AN INTEGRATED INTERDISCIPLINARY PERSPECTIVE.**
A Lee, L Lai, S Hamilton and P Ingledew, Vancouver, BC, Canada and Surrey, BC, Canada. University of British Columbia Abstract 389
- 5:00 **A NOVEL CASE OF DIAMOND-BLACKFAN ANEMIA WITH A 2Q11.2 CHROMOSOMAL DELETION.**
R Fisher, RD Clark and AA Bedros, Loma Linda, CA. Loma Linda University Abstract 390

Immunology and Rheumatology II

Sunset Center, Chapman Room #4

Keith Colburn and Ioana Moldovan, Presiding

- 1:30 EXPOSURE TO ATTENUATED *TOXOPLASMA GONDI* AND SURFACE PROTEIN SAG1 BLOCKS THE DEVELOPMENT OF TH2-MEDIATED ASTHMATIC AIRWAY INFLAMMATION.**
SJ Lee, G Arrizabalaga and T Miura, Seattle, WA and Moscow, ID. *University of Washington School of Medicine (WAFMR)* Abstract 391
- 1:45 DECREASED INTRACELLULAR AND EXTRACELLULAR PRODUCTION OF THE T HELPER 1 CYTOKINE IL-17 BY CORD BLOOD MONONUCLEAR CELLS MAY CONTRIBUTE TO NEONATAL INFECTIONS.**
JC Caron, TR La Pine, NH Augustine, TB Martins, CC Yost and HR Hill, Salt Lake City, UT. *University of Utah (WAFMR/WSCI Subspecialty Award Winner)* Abstract 392
- 2:00 THE TRANSCRIPTION FACTOR ZFP521 REGULATES MAST CELL DEVELOPMENT.**
JM Posada, K Lukin, H Lei, S Warming and J Hagman, Aurora, CO and South San Francisco, CO. *National Jewish Health* Abstract 393
- 2:15 IDENTIFICATION OF CD40 LIGAND AND ICOS DEFECTS IN PATIENTS WITH PRIMARY IMMUNODEFICIENCIES.**
TB Martins, NH Augustine, A Kumanovics and HR Hill, Salt Lake City, UT. *ARUP Laboratories* Abstract 394

2:30–2:45 Intermission

- 2:45 HEMATOPOIETIC CHANGES DURING MYCOBACTERIAL INFECTION IN ZEBRAFISH.**
S Levitte and L Ramakrishnan, Seattle, WA. *University of Washington (WSMRF)* Abstract 395
- 3:00 CYCLOSPORINE TO TREAT SEVERE URTICARIA AND ABDOMINAL PAIN DUE TO ANTIBODIES TO IGE RECEPTOR.**
KY Wang and RL Roberts, Los Angeles, CA. *David Geffen School of Medicine at UCLA* Abstract 396

Neonatal Pulmonary II

All Saints Church, Sanctuary

Lisa Joss-Moore and John Torday, Presiding

- 1:30 ACTIVATION OF WNT SIGNALING BY LUNG MESENCHYMAL STROMAL CELLS IN A RODENT PERINATAL VITAMIN D DEFICIENCY MODEL OF CHILDHOOD ASTHMA.**
C Gornes, P Villarreal, S Anthony, R Sakurai, J Torday and VK Rehan, Torrance, CA. *Harbor UCLA Medical Center* Abstract 397
- 1:45 MECHANICAL VENTILATION DECREASES EPHA2, A3, A4 IN THE LUNG OF CHRONICALLY VENTILATED PRETERM LAMBS.**
E Weinlander, J Alvord, J Wimmer, B Houston, L Dong, MJ Dahl, RA McKnight, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT and Appleton, WI. *Lawrence University (WSMRF)* Abstract 398
- 2:00 EPHA2 AND A3 ARE PERSISTENTLY INCREASED IN THE LUNG OF FORMER MECHANICALLY VENTILATED PRETERM LAMBS.**
J Wimmer, E Weinlander, J Alvord, B Houston, L Dong, MJ Dahl, RA McKnight, D Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT and Appleton, WI. *University of Utah (WSPR Subspecialty Award Winner) (WSMRF)* Abstract 399
- 2:15 HYPEROXIA INDUCES ALVEOLAR HYPOPLASIA THROUGH CHANGES IN ADENOSINE RECEPTOR EXPRESSION IN NEWBORN MICE.**
S Dayanim, B Lopez, ZH Aghai and VA Londhe, Los Angeles, CA and Philadelphia, PA. *David Geffen School of Medicine at UCLA* Abstract 400
- 2:30 IGF-1 LEVELS IN THE HIPPOCAMPUS ARE DECREASED BY PROLONGED MECHANICAL VENTILATION OF PRETERM LAMBS.**
JM Alvord, X Ke, B Ke, B Houston, M McCoy, L Dong, MJ Dahl, RA McKnight, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. *University of Utah (WSMRF)* Abstract 401
- 2:45 SIPAP AND CPAP PROVIDE EQUIVALENT SUPPORT IN LOW BIRTH WEIGHT INFANTS WITH RESPIRATORY DISTRESS.**
A Lampland, B Plumm, P Meyers, C Worwa and MC Mammel, St. Paul, MN and Minneapolis, MN. *Children's Hospitals and Clinics of MN - St. Paul (WSPR)* Abstract 402
- 3:00 INTRAUTERINE GROWTH RESTRICTION INCREASES LUNG NITRIC OXIDE SYNTHASE ACTIVITY AT BIRTH AND DELAYS ONSET OF RIGHT VENTRICULAR HYPERTROPHY IN FEMALE BUT NOT MALE RATS.**
DT Mallecke, R Kaur, X Yu, C Callaway, R McKnight, K Albertine and R Lane, Salt Lake City, UT. *University of Utah (WSPR)* Abstract 403
- 3:15 PULMONARY FUNCTION, OXYGEN CONSUMPTION, AND EXHALED NITRIC OXIDE MEASURES FOR EXTREMELY LOW BIRTH WEIGHT, HEAVIER PRETERM, AND TERM CHILDREN.**
H Kilbride, C Dinakar, T Carver, C Gauldin, K Teson, M Gelatt and R Sabath, Kansas City, MO. *Children's Mercy Hospitals & Clinics (WSPR)* Abstract 404

3:30–3:45 Intermission

- 3:45 State-of-the-Art Speaker**
ENVIRONMENTAL INSULT TO INJURY: EPIGENETIC PATHOGENESIS OF BPD.
Kurt H. Albertine, *University of Utah*

Neuroscience II

Sunset Center, Conductor's Room

Marie-Francoise Chesselet and Edward Wagner, Presiding

- 1:30 INTRAUTERINE GROWTH RESTRICTION INCREASES ESTROGEN RECEPTOR ALPHA PROTEIN LEVELS IN THE CA1 AND CA3 REGIONS OF THE MALE RAT HIPPOCAMPUS.**
B Numpang, X Ke, X Yu, C Callaway, R McKnight, L Joss-Moore and R Lane, Salt Lake City, UT. University of Utah Abstract 405
- 1:45 IUGR'S EFFECTS OF HYPOTHALAMIC OREXIN AND MELANIN CONCENTRATING HORMONE EXPRESSION IN YOUNG ADULT MICE.**
L Challis, A Brown, R Lane and C Fung, Salt Lake City, UT. University of Utah Abstract 406
- 2:00 THE INCIDENCE OF ZURICH CONCUSSION GUIDELINES USE IN SPORTS MEDICINE IN IDAHO AND WASHINGTON.**
JM Cooperrider and J Seegmiller, Seattle, WA and Moscow, ID. University of Washington (WSMRF) Abstract 407
- 2:15 THE DORSAL MEDIAL HYPOTHALAMUS MEDIATES PAIN HYPERSENSITIVITY INDUCED BY CHRONIC STRESS.**
K Wagner, D Cleary and M Heinricher, Portland, OR. Oregon Health & Science University (WAFMR/WSCI Subspecialty Award Winner) Abstract 408

2:30–2:45 Intermission

- 2:45 SYSTEMIC INFLAMMATION INHIBITS LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN-1 MEDIATED CLEARANCE OF AMYLOID- β FROM BLOOD: IMPLICATIONS FOR ALZHEIMER'S DISEASE.**
PE Hartvigson, MA Erikson and WA Banks, Seattle, WA and Saint Louis, MO. VA Puget Sound Health Care System (WSMRF) Abstract 409
- 3:00 AMINO-TERMINAL CLEAVAGE OF APOLIPOPROTEIN E4 IN ALZHEIMER'S DISEASE.**
KG Cooney, LW Catlin and TT Rohn, Seattle, WA and Boise, ID. University of Washington (WSMRF) Abstract 410
- 3:15 THE EFFECT OF TBRI ON INTERNEURON MIGRATION IN MICE.**
RJ Feczko and R Hevner, Seattle, WA. University of Washington School of Medicine Abstract 411
- 3:30 THE EFFECTS OF A NOVEL DRUG, METHYL JASMONATE, ON PHOTORECEPTOR DEGENERATION IN A DISEASE MODEL ORGANISM, THE PDE6C ZEBRAFISH.**
AR Sweeney, Seattle, WA. University of Washington Abstract 412
- 3:45 *State-of-the-Art Speaker*
PAIN AND ADDICTION - THE OPIATE DRUG DILEMMA.
Christopher Evans, David Geffen School of Medicine at UCLA**

Surgery II

Sunset Center, Green Room

Donald C. Dafoe, Presiding

- 1:30 ACROMIOCLAVICULAR AND CORACOCALVICULAR LIGAMENT RECONSTRUCTION USING A SINGLE TENDON GRAFT.**
S Campbell, S Shin, J Scott, J Hwang and TQ Lee, Irvine, CA. Orthopaedic Biomechanics Laboratory, VA Long Beach Healthcare System and University of California Irvine (WSMRF) Abstract 413
- 1:45 IATROGENIC RADIATION EXPOSURE TO PATIENTS WITH EARLY ONSET SPINE AND CHEST WALL DEFORMITIES.**
D Khorsand and K Song, Seattle, WA. University of Washington School of Medicine Abstract 414
- 2:00 LOCAL SOFT TISSUE INTERPOSITION APPROACH TO THUMB CARPOMETACARPAL ARTHRITIS.**
W McClellan and D Mercer, Albuquerque, NM. University of New Mexico School of Medicine (WSMRF) Abstract 415
- 2:15 QUANTITATIVE ASSESSMENT OF SCALENE MUSCLE BLOCK IN THE DIAGNOSIS OF THORACIC OUTLET SYNDROME.**
K Shah and R Braun, Irvine, CA and La Jolla, CA. University of California, Irvine School of Medicine Abstract 416
- 2:30 OPTIMIZING THE DETECTION OF LIMBAL EPITHELIAL STEM CELLS USING IN VIVO CONFOCAL SCANNING LASER MICROSCOPY.**
AS Zaman, PJ Pham, T Truong, MN Nakatsu and SX Deng, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 417
- 2:45 THE LONG-TERM OUTCOMES OF BARRETT'S ESOPHAGUS IN PATIENTS TREATED WITH LAPAROSCOPIC ANTI-REFLUX SURGERY.**
D Bushyhead, M Hinojosa, M Lovisceck, E Wassenaar, C Pellegrini and B Oelschlager, Seattle, WA. University of Washington School of Medicine Abstract 418
- 3:00 LONG TERM CLINICAL AND SURGICAL OUTCOMES OF INTRACRANIAL MENINGIOMAS PATIENTS RECEIVING GROSS AND SUBTOTAL RESECTION.**
W Choy, A Osborne, A Trang, C Tu, M Spasic and I Yang, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 419

3:15–3:30 Intermission

- 3:30 DYNAMIC MECHANICAL ANALYSIS OF FIBROBLAST SEEDED SCAFFOLDS AND ITS APPLICATION TO LIGAMENT RECONSTRUCTION.**
EE Vellios, F Petrigliano, B Wu and D McAllister, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 420
- 3:45 NISSEN FUNDOPLICATION LIMITS DISEASE PROGRESSION IN PATIENTS WITH CONCURRENT IDIOPATHIC PULMONARY FIBROSIS AND GASTROESOPHAGEAL REFLUX.**
D Mart, M Hinojosa, M Loviscek, G Raghu and B Oeschlager, Seattle, WA. University of Washington School of Medicine Abstract 421
- 4:00 INTEGRIN SIGNALING AND OSTEOGENESIS IN HUMAN MESENCHYMAL STEM CELLS CULTURED IN 2D AND 3D CONDITIONS.**
AL Havard, W Huang, G Rudkin, D Yamaguchi and T Miller, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF) Abstract 422
- 4:15 MIDLINE CERVICAL CLEFTS: A RARE ANATOMIC ANOMALY.**
DC Kuo, CG Tang and JA Gotschall, Oakland, CA and Orlando, FL. Kaiser Permanente Oakland Medical Center Abstract 423
- 4:30 DISSEMINATION OF TOBACCO CONTROL GUIDELINES TO A SPECIALTY CARE SETTING: A UROLOGIC PERSPECTIVE.**
O Obioha, J Bassett, C Saigal and C Bennett, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 424
- 4:45 ASSESSING NOVEL METHODS IN FACIAL RECONSTRUCTION: ELECTROMECHANICAL RESHAPING.**
K Badran, C Manuel, C Waki, D Protsenko and BJ Wong, Irvine, CA. University of California, Irvine Abstract 425

Surgical Procedures

Sunset Center, Bingham Room #3

Gary Satou, Presiding

- 1:30 UTILITY OF PRE-PROCUREMENT BEDSIDE LIVER BIOPSY IN THE EXTENDED CRITERIA LIVER DONOR.**
TC Borup, S Popa, R Saxena, A Tector and R Mangus, Indianapolis, IN. Indiana University School of Medicine Abstract 426
- 1:45 USE OF SAFETY-ENGINEERED SCALPELS TO REDUCE SHARPS INJURY IN THE OR: WHAT IS THE EVIDENCE?**
K DeGirolamo, D Courtemanche, W Hill, A Kennedy and E Skarsgard, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 427
- 2:00 MEASURED CYTOKINE RESPONSE TO LASIK SURGERY PLUME PARTICULATE.**
CA Johnson, S Lafasto, J Petrash and MJ Taravella, Aurora, CO. University of Colorado School of Medicine Abstract 428
- 2:15 PREEMPTIVE ANALGESIA AND KETOROLAC FOR PERIOPERATIVE PAIN MANAGEMENT IN PEDIATRIC GENERAL SURGERY PATIENTS.**
B Jones, A Moore and C Reyes, Albuquerque, NM. University of New Mexico Abstract 429
- 2:30 RADIATION EXPOSURE DURING CENTRAL VENOUS LINE INSERTION IN PEDIATRIC ONCOLOGY PATIENTS: COMPARISON OF OUT OF HOURS AND IN HOURS SURGERY.**
S Kim and S Butterworth, Vancouver, BC, Canada. University of British Columbia Abstract 430
- 2:45 ENDOSCOPIC FOREHEAD CYST REMOVAL: A CASE SERIES.**
DC Kuo, CG Tang and CE Shih, Oakland, CA. Kaiser Permanente Oakland Medical Center Abstract 431
- 3:00 ULTRASOUND-GUIDED ASPIRATION AND INJECTION OF INTRANEURAL GANGLION CYST WITHIN THE PERONEAL NERVE.**
T Liang and RG Lambert, Vancouver, BC, Canada and Edmonton, AB, Canada. University of British Columbia Abstract 432

3:15–3:30 Intermission

- 3:30 NOVEL USE OF A PORTABLE POSITRON EMISSION PROBE IN INTRAOPERATIVE LOCALIZATION OF PERSISTENT ADRENOCORTICAL CARCINOMA.**
S Makarenko and I Sekhon, Richmond, BC, Canada and Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 433
- 3:45 SURGICAL RESECTION OF PEDIATRIC CEREBELLAR ASTROCYTOMAS.**
J Mangat, P Steinbok, D Cochrane, A Singhal, M Sargent and W Suryaningtyas, Vancouver, BC, Canada. University of British Columbia (WSMRF) Abstract 434
- 4:00 DEMOGRAPHIC STUDY OF HIP ARTHROSCOPY.**
S Nguyen, J Wang, S Montgomery and T Hobson, Fullerton, CA and Westwood, CA. Western University of Health Sciences Abstract 435
- 4:15 COMPARISON OF SURGICAL AND NON-SURGICAL TREATMENTS FOR CONGENITAL MICROPHTHALMIA.**
AK Nobori, H Garneau, D Isaacs, C Hwang and R Goldberg, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 436
- 4:30 TRENDS IN SURGICAL UTILIZATION AND ASSOCIATED PATIENT OUTCOMES IN THE TREATMENT OF ACOUSTIC NEUROMA.**
S Patel, M Nuño, D Mukherjee, A Elramsisy, K Nosova, N Lad, M Boakye, K Black and C Patil, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 437

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