## Western Regional Meeting at a Glance

**Carmel, California**  
**January 25–28, 2012**

<table>
<thead>
<tr>
<th>TIME</th>
<th>ACTIVITY &amp; LOCATION</th>
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</thead>
<tbody>
<tr>
<td><strong>WEDNESDAY, JANUARY 25, 2012</strong></td>
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</tr>
</tbody>
</table>
| 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  
(invited attendees only)  
Forge in the Forest  
(SW corner 5th Avenue & Junipero Street) |
| 12:00 pm–1:15 pm | New Investigator Workshops  
(Reserved for Fellows and Jr. Faculty – Lunch included)  
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, David Geffen School of Medicine at UCLA  
Sunset Center – Chapman #4 |
| 1:00 pm–5:00 pm | Concurrent Sessions  
Adolescent and Pediatrics - Chapman #4, Sunset Center  
Behavior and Development – Bingham #3, Sunset Center  
Cardiovascular I – Ocean Avenue Room, Pine Inn  
Cardiovascular 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  
Jointly sponsored by  
WAFMR, WAP, WSCI, WSMRF, and WSPR  
All welcome and encouraged to attend  
Carmel Women's Club |

DOI: 10.231/JIM.0b013e318240c7c9
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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</thead>
<tbody>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td><strong>Abbott Nutrition WSPR Reception</strong>&lt;br&gt;<em>Open to all WSPR members, trainees, and guests</em>&lt;br&gt;<em>Pine Inn</em></td>
</tr>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td><strong>WAFMR Business Meeting</strong></td>
</tr>
<tr>
<td>7:00 pm – 9:00 pm</td>
<td><strong>WSCI Council Meeting</strong>&lt;br&gt;<em>Sunset Center – Bingham #3</em></td>
</tr>
</tbody>
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**FRIDAY, JANUARY 27, 2012**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 am – 8:00 am</td>
<td><strong>Breakfast-with-the-Investigator</strong>&lt;br&gt;<em>Monterey Beach Hotel – Captain’s Table</em></td>
</tr>
<tr>
<td>7:00 am – 5:00 pm</td>
<td><strong>Speaker Ready Room</strong>&lt;br&gt;<em>Sunset Center</em></td>
</tr>
<tr>
<td>8:00 am – 5:00 pm</td>
<td><strong>Faculty and Fellow Registration</strong>&lt;br&gt;<em>Student and Resident Registration</em>&lt;br&gt;<em>Entry Lobby – Sunset Center</em></td>
</tr>
<tr>
<td>8:30 am – 11:45 am</td>
<td><strong>WAP Symposium</strong>&lt;br&gt;<em>Sponsored by WAP</em>&lt;br&gt;<em>Stem Cell Therapeutics for the Cardiovascular System: Hope or Hype</em>&lt;br&gt;<em>Sunset Center – Theater</em></td>
</tr>
<tr>
<td>10:30 am – 11:30 am</td>
<td><strong>WSMRF Officers Meeting</strong>&lt;br&gt;<em>Sunset Center – Green Room</em></td>
</tr>
<tr>
<td>11:45 am – 12:00 pm</td>
<td><strong>WAP Business Meeting</strong>&lt;br&gt;<em>Sunset Center – Theater</em></td>
</tr>
<tr>
<td>12:00 pm – 1:30 pm</td>
<td><strong>Society Officers Planning Luncheon Meeting</strong>&lt;br&gt;<em>invited attendees only</em>&lt;br&gt;<em>Forge in the Forest</em> (SW corner 5th Avenue &amp; Junipero Street)</td>
</tr>
<tr>
<td>12:15 pm – 1:15 pm</td>
<td><strong>Investigator Workshops</strong>&lt;br&gt;<em>Intended for Fellows and Jr. Faculty – Lunch included</em>&lt;br&gt;<em>Navigating your academic career: Finding your niche and keeping the balance</em>&lt;br&gt;<em>Marc-Andre Cornier, University of Colorado</em>&lt;br&gt;<em>Sunset Center – Bingham #3</em>&lt;br&gt;<em>Grant Writing</em>&lt;br&gt;<em>Gregory Brent, David Geffen School of Medicine at UCLA</em>&lt;br&gt;<em>Sunset Center – Chapman #4</em></td>
</tr>
<tr>
<td>1:00 pm – 4:00 pm</td>
<td><strong>California Thoracic Society Meeting</strong>&lt;br&gt;<em>Sleep Apnea</em>&lt;br&gt;<em>Carmel Mission Inn</em></td>
</tr>
<tr>
<td>1:00 pm – 5:00 pm</td>
<td><strong>Concurrent Sessions</strong>&lt;br&gt;<em>Cardiovascular II – Ocean Avenue Room, Pine Inn</em>&lt;br&gt;<em>Endocrinology and Metabolism II – Carlson Hall, Church of the Wayfarer</em>&lt;br&gt;<em>Gastroenterology and Hepatology – Green Room, Sunset Center</em>&lt;br&gt;<em>Health Care Education and Communication – Rehearsal Room, Sunset Center</em>&lt;br&gt;<em>Health Care Research II – Promenade Lobby, Sunset Center</em>&lt;br&gt;<em>Hematology Oncology and Surgery – Chapman #4, Sunset Center</em>&lt;br&gt;<em>Immunology and Rheumatology I – Studio 105, Sunset Center</em>&lt;br&gt;<em>Infectious Diseases – Room #6, Sunset Center</em>&lt;br&gt;<em>International and Immigrant Health Issues – Bingham Room #3, Sunset Center</em>&lt;br&gt;<em>Morphogenesis and Malformations – Carpenter Hall, Sunset Center</em>&lt;br&gt;<em>Neonatology Developmental Biology – All Saints Church, Sanctuary</em>&lt;br&gt;<em>Neonatology General II – All Saints Church, Auditorium</em>&lt;br&gt;<em>Neurology and Hypertension – Conductor’s Room, Sunset Center</em>&lt;br&gt;<em>Pulmonary and Critical Care – Carmel Women’s Club</em></td>
</tr>
<tr>
<td>5:00 pm – 6:00 pm</td>
<td><strong>Developmental Biology Club</strong>&lt;br&gt;<em>Sunset Center – Carpenter Hall</em></td>
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<tr>
<td>6:00 pm – 7:30 pm</td>
<td><strong>Dysmorphology Club</strong>&lt;br&gt;<em>Sunset Center – Carpenter Hall</em></td>
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<tr>
<td>6:00 pm – 9:00 pm</td>
<td><strong>Carmel Scholar Award Event</strong>&lt;br&gt;<em>Jr. Faculty/Fellows and their Mentors by invitation only</em>&lt;br&gt;<em>Sunset Center</em></td>
</tr>
<tr>
<td>6:15 pm – 9:00 pm</td>
<td><strong>Western Perinatal Club</strong>&lt;br&gt;<em>Ocean Avenue Room – Pine Inn</em></td>
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<tr>
<td>6:30 pm–9:30 pm</td>
<td>UBC Departments of Pediatrics and Pediatric Surgery Celebration of Student Research Dinner (UBC Students and Faculty Only) Il Fornaio Restaurant – Pine Inn</td>
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**SATURDAY, JANUARY 28, 2012**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 am–8:00 am</td>
<td>Breakfast-with-the-Investigator Monterey Beach Hotel – Captain's Table</td>
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<tr>
<td>7:00 am–4:30 pm</td>
<td>Speaker Ready Room Sunset Center</td>
</tr>
<tr>
<td>8:00 am–2:00 pm</td>
<td>Faculty and Fellow Registration Student and Resident Registration Entry Lobby – Sunset Center</td>
</tr>
<tr>
<td>7:00 am–11:00 am</td>
<td>California Thoracic Society Registration Carmel Mission Inn</td>
</tr>
<tr>
<td>8:30 am–12:00 pm</td>
<td>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</td>
</tr>
<tr>
<td>8:00 am–5:00 pm</td>
<td>California Thoracic Society Meeting Pneumonia and Nurses/RCP/NP Workshop Carmel Mission Inn</td>
</tr>
<tr>
<td>12:30 pm–1:30 pm</td>
<td>Residents’ Luncheon Carpenter Hall, Sunset Center</td>
</tr>
<tr>
<td>1:00 pm–5:00 pm</td>
<td>Concurrent Sessions Adolosent 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</td>
</tr>
<tr>
<td>5:00 pm–6:30 pm</td>
<td>WSMRF Committee Meeting Monterey Beach Hotel – Captain’s Table</td>
</tr>
<tr>
<td>6:00 pm–9:00 pm</td>
<td>West Coast Endocrine Club Ocean Avenue Room – Pine Inn</td>
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<tr>
<td>6:30 pm–9:00 pm</td>
<td>Western Student Medical Research Forum Awards Banquet Monterey Beach Hotel – Points Ballroom</td>
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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 Credits™ 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 Bovin
Matt Bouchoungue
Virginia Broduy
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
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.
L Armstrong, B Brar, B Hartley, S Westberg and V Kapoor, Vancouver, BC, Canada. University of British Columbia

1:45 THE EFFECTIVENESS OF STUDENT HEALTH EDUCATION IN REMOTE NORTHERN INDIA.

2:00 THE MEDICAL SCHOLARS TEACHING AREA RURAL STUDENTS PROGRAM EFFECTIVELY INCREASES RURAL YOUTH INTENTION TO GRADUATE HIGH SCHOOL.
MBrown and J Hunt, Albuquerque, NM. University of New Mexico School of Medicine

2:15 PROMOTING THE INTEREST OF UNDER-REPRESENTED YOUTH IN HEALTH CARE THROUGH SMALL CLASS SIZE AND EXPERIMENT-DRIVEN INTERACTIVE LEARNING.
A Fogel, T Norwood and B Afghani, Irvine, CA. University of California Irvine

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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 Higueria, 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 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 Trân, 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.
University of British Columbia
Abstract 14

4:15 PRESTERNAL DERMID CYST MIMICKING LYMPHATIC MALFORMATION.
T Berry and A Smidt, Albuquerque, NM. University of New Mexico Hospital
Abstract 15

4:45 PARTNERSHIP WITH THE DISCOVERY SCIENCE CENTER: TOWARDS INCREASING DIVERSITY IN HEALTH CARE AND BIOMEDICAL FIELDS.
J Trân, S Gaffar, M Koussa, U Patel, J Yamaguchi and B Afghani, Orange, CA and Santa Ana, CA. UC Irvine School of Medicine
Abstract 13

4:30 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 Hessl, 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 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, C O’Hanlon and K Claflin, Kansas City, MO. University of Missouri-Kansas City School of Medicine (WSPR)
Abstract 22

3:30 WITHDRAWN

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 23

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 24

4:45 TARGETED TREATMENTS FOR FRAGILE X AND AUTISM.
Randi Hagerman, University of California, Davis

**2:30–2:45 Intermission**
### Cardiovascular I

**Ocean Avenue Room, Pine Inn**

*Brian Stauffer and Eric Adler, Presiding*

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<th>Institution</th>
<th>Abstract No.</th>
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<tr>
<td>1:30</td>
<td><strong>SODIUM-CALCIUM EXCHANGE KNOCKOUT MICE REVEAL THE EXCHANGER’S ROLE IN EARLY AFTERDEPOLARIZATIONS CAUSED BY OXIDATIVE STRESS.</strong></td>
<td>M Duncan and J Goldhaber, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)</td>
<td><strong>Abstract 26</strong></td>
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<td>1:45</td>
<td><strong>TIME COURSE OF DEVELOPMENT OF A MURINE MODEL OF DIET-INDUCED INSULIN RESISTANCE AND CARDIOMYOPATHY.</strong></td>
<td>A Sta Teresa, J Kim, T Wietecha, K Hudkins, C Alpers and KD O’Brien, Seattle, WA. University of Washington</td>
<td><strong>Abstract 27</strong></td>
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<td>2:00</td>
<td><strong>METFORMIN IMPROVES OBESITY AND FASTING GLUCOSE, BUT NOT ESTABLISHED CARDIAC HYPERTROPHY, IN A MURINE MODEL OF DIET-INDUCED INSULIN RESISTANCE AND CARDIOMYOPATHY.</strong></td>
<td>J Kim, T Wietecha, A Sta Teresa, K Hudkins, C Alpers and KD O’Brien, Seattle, WA. University of Washington</td>
<td><strong>Abstract 28</strong></td>
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<td>2:15</td>
<td><strong>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.</strong></td>
<td>T Wietecha, J Kim, A Sta Teresa, K Hudkins, C Alpers and KD O’Brien, Seattle, WA. University of Washington</td>
<td><strong>Abstract 29</strong></td>
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<td>2:30</td>
<td><strong>State-of-the-Art Speaker</strong></td>
<td><strong>GLUCOSE CONTROL IN DIABETIC CARDIOMYOPATHY: TOO LITTLE, TOO LATE OR OFF TARGET?</strong></td>
<td>Kevin O’Brien, University of Washington</td>
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### Endocrinology and Metabolism I

**Church of the Wayfarer, Carlson Hall**

*Kathryn Schuff and Jessica Brzana, Presiding*

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<tr>
<td>1:15</td>
<td><strong>State-of-the-Art Speaker</strong></td>
<td><strong>UPDATE: DEFINING “NORMAL” FOR TSH.</strong></td>
<td>Mary H. Samuels, Oregon Health &amp; Science University</td>
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<td>1:45</td>
<td><strong>A CASE OF STERNOCOSTOCLAVICULAR HYPEROSTOSIS INITIALLY DIAGNOSED AS PAGET’S DISEASE OF BONE.</strong></td>
<td>C Lovato and P Kapsner, Albuquerque, NM. University of New Mexico Health Science Center</td>
<td><strong>Abstract 37</strong></td>
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<td>2:00</td>
<td><strong>TERTIARY HYPERPARATHYROIDISM IN A PATIENT WITH X-LINKED HYPOPHOSPHATEMIC RICKETS.</strong></td>
<td>C Sadler and P Kapsner, Albuquerque, NM. University of New Mexico Health Sciences Center</td>
<td><strong>Abstract 38</strong></td>
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<td>2:15</td>
<td><strong>UNDETECTABLE URINARY CALCIUM IN TWO PATIENTS WITH PRIMARY HYPERPARATHYROIDISM.</strong></td>
<td>R Patel-Trujillo, M Bouehomville, C Kapsner, D Schade, E Lewiecki and P Kapsner, Albuquerque, NM. University of New Mexico Health Sciences Center</td>
<td><strong>Abstract 39</strong></td>
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<td>2:30</td>
<td><strong>IS WRIST CIRCUMFERENCE A PREDICTOR OF METABOLIC SYNDROME?</strong></td>
<td>P Bell, N Nanjee, R Holubkov, J Skidmore, C Tak, K Holly and N Mihalopoulos, Salt Lake City, UT. University of Utah</td>
<td><strong>Abstract 40</strong></td>
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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 1 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 Kawannata, 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 I MPS I TREATED WITH ETANERCEPT.
JK Eng-Kulawy and M Willis, San Diego, CA. NMCSD (WSPR Mead Johnson Travel Award Winner)
Abstract 51

2:00 CLONING AND CHARACTERIZATION OF AGXT (ALANINE GLYCOXYLATE 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

3:45 FETUS WITH HYDROCEPHALUS AND MULTIPLE PTERYGIUM.
Y Wijarat, H Vogel, T Pham, G Lopez and G Enns, Stanford, CA. Stanford University

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

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

4:30 C. ELEGANS AS A GENETIC MODEL OF HYPOXIC INJURY.
JC LaMacchia and M Roth, Seattle, WA. University of Washington

4:45 TESTING THE MULTISTAGE MODEL OF CARCINOGENESIS REVEALS EVIDENCE OF ONE MUTATION FOR SYNOVIAL SARCOMA AND TWO MUTATIONS FOR ACUTE PROMYELOCYTIC LEUKEMIA.
JBu, North Hollywood, CA. Harvard-Westlake School

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

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

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

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

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

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

3:00 NEONATAL OUTCOMES AT TEACHING HOSPITALS.
A Yeaton-Massey and A Caughey, Stanford, CA and Portland, OR. Stanford University

3:30 VIRTUAL PROBLEM BASED LEARNING (PBL) - A NEEDS ASSESSMENT EXAMINING TRADITIONAL VERSUS VIRTUAL PROBLEM-BASED LEARNING.

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)

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

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)

4:30 MEDICAL ASSISTANTS' PERCEIVED ROLES AND PREFERRED TRAINING METHODS IN COMMUNITY HEALTH CLINICS.
CY Chon and S Tu, Seattle, WA. University of Washington

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)

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)
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 Avliyakulov, 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 SENESCENCE BIOMARKER DURING RECTAL CANCER TREATMENT.

LE Grobman, DY Wu, DZ Dong and PC Wu, Seattle, WA. University of Washington (WSMRF)

Abstract 81

3:00 State-of-the-Art Speaker

STEM CELLS.
C. Anthony Blau, University of Washington

3:15 Intermission

3:15 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 Tsein, La Jolla, CA. UCSD (WSMRF)

Abstract 84

4:30 NOVEL MICROARRAY TECHNOLOGY DISCOVERS INII 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, A 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.


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 (WSMRF)

Abstract 89

2:15 BUILDING A COMMUNITY-BASED NUTRITION MONITORING PROGRAM IN RURAL MALAWI CHILD CARE CENTERS.

I Golovaty, Seattle, WA. University of Washington (WSMRF)

Abstract 90

2:30 REDUCING MATERNAL MORTALITY AND MORBIDITY IN MANGOCHE, 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 Huhn, 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 Gergeo, R Ramanathan, O Akbari and P Minoo, Los Angeles, CA. University of Southern California  
Abstract 98

1:45 NF-kB INHIBITORY PROTEINS DICTATE CELLULAR SURVIVAL IN RESPONSE TO MITOCHONDRIAL STRESS.  
C Wright, F Agboke, M Muthu, M Mundy and P Denmery, Denver, CO and Philadelphia, PA. University of Colorado Denver  
Abstract 99

2:00 IUGR ALTERS DNA AND HISTONE METHYLLATION 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 Pack, R Sakurai, Y Li, J Torday, B Ibe and V 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 V 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 Rusijadi, B Lorayne, L Chan and K Bui, Los Angeles, CA and Rockville Center, 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

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

2:15 HEME OXYGENASE-1 DEFICIENCY PROMOTES NECROTIZING ENTEROCOLITIS DEVELOPMENT IN A MURINE MOUSE MODEL.
S Schule, K Jang, FS Kalish, H Zhao, HJ Vreman, KS Sylvester, RJ Wong and DK Stevenson, Stanford, CA. Stanford University School of Medicine

2:30 INCREASED VARIABILITY OF FECAL BILE ACID LEVELS IN INFANTS THAT DEVELOP NECROTIZING ENTEROCOLITIS.
A Kehring, SK Mount Patrick, TE Estrada, SM Geahrk, AD Bedrick and MD Halpern, Tucson, AZ. University of Arizona College of Medicine

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

3:15 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, J Seri and P Friedlich, Los Angeles, CA. LAC+USC

3:45 EXTRACORPOREAL MEMBRANE OXYGENATION INDUCES INFLAMMATORY MEDIATORS IN NEONATES BORN WITH CONGENITAL DIAPHRAGMATIC HERNIA.
GL Gardner, T La Pine, T Martins, R DiGeronimo, H Hill and CC Yost, Salt Lake City, UT. ARUP Institute for Clinical and Experimental Pathology

4:00 PROBIOTIC USE IN CYANOTIC CONGENITAL HEART DISEASE.
MA Underwood, C Ellis, N Bokulich, K Kahaner, M Mirmiran, E Elumalai, T Scheggl, J Rutledge, G Raff and D Mills, Sacramento, CA and Davis, CA. University of California, Davis (WSPR)

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

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

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

5:00 JOAN HODGMAN MEMORIAL LECTURE
UREAPLASMA IN VLBW INFANTS: INNOCENT BYSTANDER OR TREATABLE PATHOGEN?
Robert Schelonka, Oregon Health & Science University

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, L Tawil, J Marinaro, TC Timm, S Kalishman and C Chandall, Albuquerque, NM. University of New Mexico

1:45 EFFECTS OF ATTENTION ON TONOTOPY IN SCHIZOPHRENIA.
T Ragola, E Slason, P Teale, M Reite and DC Rojas, Denver, CO. University of Colorado School of Medicine

2:00 INVESTIGATIONS ON THE ROLE OF NICOTINE IN POST TRAUMATIC STRESS DISORDER.
M Bakken, D Stidd, K Vogelsang, JP Langevin and JM Fellous, Tucson, AZ. University of Arizona

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

2:30 CORTICAL ATROPHY AND GENETIC BIOMARKERS IN COGNITIVELY NORMAL ELDERLY AND MCI.
KL Cheekfield, KS Hwang, C 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

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2:45  TRANSPANTATION 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 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 Abstract 133

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 134

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 135

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 136

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 137

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 138

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 139

3:45  A CLINICAL AND RADIOLOGICAL CORRELATIVE STUDY OF PERONEAL TENDON PATHOLOGY.
SE Wong, W Mak, GE Koper, V Campanelli, JC Hunter and E Giza, Sacramento, CA and Verona, Italy. University of California, Davis School of Medicine (WSMRF) Abstract 140

4:00  EFFECT OF CYTOKINE HEMOADSORPTION ON BRAIN DEATH-INDUCED VENTRICULAR DYSFUNCTION IN A PORCINE MODEL.
KM Mikhova, KM Jones, ED Verrier and DG Rabin, Seattle, WA. University of Washington Abstract 141

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 142

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 143

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 144
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)

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)

3. CHARACTERIZATION AND THERAPEUTIC POTENTIAL OF INDUCED PLURIPOTENT STEM CELL-DERIVED CARDIOVASCULAR PROGENITOR CELLS.
   J Chu, 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)

4. DEPRESSION IS COMMON IN TB PATIENTS AND IS ASSOCIATED WITH TREATMENT ABANDONMENT.
   DM Karlin, C Evans, C Loiselle, K Zevallous, 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) (WAFMR)

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)

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 (WSPR Subspecialty Award Winner) (WAFMR)

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)

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 Winner, 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) (WAFMR)

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) (WAFMR)

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) (WAFMR)

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

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 Conon, TR La Pine, NH Augustine, TB Martins, CC Yost and HR Hill, Salt Lake City, UT. University of Utah (WAFMR/WSCI Subspecialty Award Winner)
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)

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)

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)

16  EPHA2 AND A3 ARE PERSISTENTLY INCREASED IN THE LUNG OF FORMER MECHANICALLY VENTILATED PRETERM LAMBS.

J Winner, 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)

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)

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)

19  THE EFFECT OF LIPID MINIMIZATION ON PARENTERAL NUTRITION ASSOCIATED CHOLESTEROL IN PEDIATRIC SURGICAL PATIENTS.

L Braun, S Sanchez and P Javid, Seattle, WA. University of Washington School of Medicine (WAFMR/WSCI Subspecialty Award Winner)

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

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™

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
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
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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 TRANSESOPHAGEAL ECHOCARDIOGRAPHY 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 Morz, 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 Pinon, 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 Périlsen, 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 Heglay, 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-DeAguiru, RT Constable and R Sherwin, Los Angeles, CA and New Haven, CT.
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 Lee, A Martin, S Lim, J Vega, J Cohen, P Wahjudi and WP Lee, Torrance, CA. Harbor-UCLA Medical Center (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 ASSESSING PHYSICIANS ATTITUDES TOWARD COMMUNITY HEALTHCARE WORKERS AS MEMBERS OF THE DIABETES CARE TEAM.
B Jones, T Iwamoto and K Colleran, Albuquerque, NM.
University of New Mexico

4:00 VITAMIN D ENHANCES MYOGENIC CELL DIFFERENTIATION OF C2C12 SKELETAL MYOBLAST CELLS BY MODULATING THE EXPRESSION OF KEY ANGIgenic 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)

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

4:30 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

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)

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)

1:45 WILSON DISEASE: ABNORMAL METHIONINE METABOLISM AND THE ROLE OF INFLAMMATION AND STEATOSIS IN EARLY STAGES OF LIVER DISEASE.
M Dolashahi, N Shibata, S Liu, C Halsted and V Medici, Davis, CA. University of California (WSMRI)

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)

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

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

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

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
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 Barboza 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 (WSCI Travel Award Winner)

1:45 INVESTIGATION OF COMPETING CRITERIA FOR CATHETER-ASSOCIATED URINARY TRACT INFECTIONS USING A NOVEL ELECTRONIC SURVEILLANCE TOOL.
P Sangor, R Jain, A Stapleton, M Granich, R Olsen and P Pottinger, Seattle, WA. University of Washington (WSMRF)

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)

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

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/ WSCI Subspecialty Award Winner)

2:45 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

3:00 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

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)

4:15 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.

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.

3:15–3:30 Intermission

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, NS Bhutani and JA Ajani, Houston, TX and Irvine, CA. University of Texas MD Anderson Cancer Center

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

2:00 INTRAHEPATIC GAS GANGRENE ARISING FROM PUNCTURE WOUND.
J Chi and M Goecke, Vancouver, BC, Canada. University of British Columbia

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
2:30 ANTERIOR LUMBAR INTERBODY FUSION L5/S1 HAS NO EFFECT ON SPINOPELVIC PARAMETERS IN THE SETTING OF ADULT DEGENERATIVE SCOLIOSIS.
A Mayers, Y Hagar, RF Roberto, MC Gupta and EO Klineberg, Sacramento, CA. University of California, Davis School of Medicine (WSMRF)

2:45 OCULAR BIOCOMPATIBILITY OF NITINOL.
N Nghiem, DA Ammar, JM Pettrash and JL Olson, Denver, CO and Aurora, CO. University of Colorado Denver

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 Fargusson, MA Fargusson, HJ Wagner, IN Wahjudi, JC Smith and DD Baldwin, Loma Linda, CA. Loma Linda University

3:15 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

3:30 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

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)

4:15 STEREOTACTIC RADIATION FOR THE TREATMENT OF VESTIBULAR SCHWANNOMA: TUMOR CONTROL AND HEARING PRESERVATION.
M Spasie, P Pezeshkian, B Fong, W Choy, T Soleymani, D Nagasawa, N Gaskhoudarian, A Gorgulho, A De Salles and I Yang, Los Angeles, CA and Irvine, CA. David Geffen School of Medicine at UCLA (WSMRF)

4:30 CHANGES IN APPARENT DIFFUSION COEFFICIENT, LATERAL VENTRICULAR VOLUME, AND EXTENT OF T2 PERIVENTRICULAR HYPERINTENSITY AFTER ENDOSCOPIC THIRD VENTRICULOPLASTY IN CHILDREN.
CK Tong, AT Byrne, MA Sargent and DD Cochrane, Vancouver, BC, Canada. University of British Columbia and BC Children’s Hospital

Immunology and Rheumatology 1
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 Weissman, L Derber, J Kolfenbach, C Striebich, I Pedraza, A Harrington, D Lynch, P Sachs, J Norris, V Holers, V De Salles and I Yang, Los Angeles, CA and Denver, CO. University of Colorado School of Medicine

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)

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

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

3:15 PNEUMOCYSTIS JIROVECI PNEUMONIA IN A PATIENT WITH NEWLY DIAGNOSED SYSTEMIC LUPUS ERYTHEMATOSUS.
A Kahr, K Demoruelle, K Deane, A Fischer and S West, Denver, CO. University of Colorado School of Medicine

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
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 Stadeli 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 Woerden, DJ Maly, Seattle, WA and Hinxton, 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.

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 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 Sutamwagul 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 Kolin, 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 CULTURAL/L3-APPROPRIATE NUTRITIONAL GUIDE FOR THE DIABETIC HISPANIC COMMUNITY IN BREWSTER, WA.
VF Dios, Seattle, WA. University of Washington School of Medicine Abstract 256

2:00 AN APPROACH TO PRIMARY CARE IN UNDER-SERVED RURAL KENYA.

2:15 CHALLENGES OF BICYCLE DISTRIBUTION IN RURAL WESTERN KENYA: A LOOK AT SUSTAINABILITY.

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2:30
LOST IN TRANSLATION: IMPROVING QUALITY OF CARE THROUGH BILINGUAL PATIENT EDUCATION.
J Foss, Seattle, WA. University of Washington School of Medicine

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)

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

3:30–3:45 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)

3:45
IMPROVING HIV SERVICES IN A RURAL KENYAN SETTING.
R Yang and A Mai, Vancouver, BC, Canada. University of British Columbia

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)

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)

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)

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)

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)

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

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)

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)

3:00
CHROMOSOMAL MOSAICISM IDENTIFIED BY ACGH: A CASE OF TETRA SOMY 12P.
A Myers, JA Bernstein, A Cherry and MA Manning, Stanford, CA. Stanford University

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)

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

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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

3:00 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)

1:00 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

1:15 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)

1:25 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)

1:30 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

1:45 Carnosol Supplementation During Cryopreservation Prevents DNA Damage in Human Spermatozoa.

JH Wang and CH Muller, Seattle, WA. University of Washington School of Medicine

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


K Leasia, Aurora, CO. University of Colorado School of Medicine

2:30 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

3:00 State-of-the-Art Speaker

The Pathology of Neonatal Pulmonary Hypertension.

Carlos G. Ramos, University of New Mexico

3:30 Intermission
1:15 PROLONGED INFUSION OF AMINO ACIDS INCREASES LEUCINE OXIDATION IN THE OVINE FETUS.
A Maliszewski, M Gadlia, M O'Meara, S Thorn, W Hay, P Rozance and L Brown, Denver, CO. University of Colorado

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

1:45 UGFR INCREASES HEPATIC CHOLESTEROL LEVELS WITHOUT CHANGING SREBP2 AND HMGCOA REDUCTASE MRNA LEVELS IN FEMALE RATS FED A HIGH CHOLESTEROL DIET.
E Zinkhan, J Chiu, X Yu, C Jiang, C Callaway, L Joss-Moore and R Lane, Salt Lake City, UT. University of Utah

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 (WSRP)

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, MJ Dahl, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah (WSPR Subspecialty Award Winner)

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

2:45 MATERNAL AND INFANT CAROTENOID STATUS: BIRTH TO 4 MONTHS OF AGE.
A Kim, K Eisdon, J Lee, A Tremaine, G Lee and K Houglund, Loma Linda, CA. Loma Linda University School of Medicine

3:00 RATES OF VITAMIN D AND IRON SUPPLEMENTATION AMONG FORMER VERY PRETERM INFANTS AFTER DISCHARGE FROM THE NEONATAL INTENSIVE CARE UNIT.
A Kim, K Eisdon, J Lee, A Tremaine, G Lee and K Houglund, Loma Linda, CA. Loma Linda University School of Medicine

3:15 Intermission

3:30 RATES OF BREAST FEEDING IN HIGH RISK INFANTS.
J Lee, A Kim, K Eisdon, G Lee, A Tremaine and K Houglund, Loma Linda, CA. Loma Linda University

3:45 RATES OF TRANSITIONAL FORMULA USE IN PRETERM NEONATAL INTENSIVE CARE GRADUATES.
K Eisdon, J Lee, A Kim, G Lee, A Tremaine and K Houglund, Loma Linda, CA. Loma Linda University School of Medicine

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

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

4:30 IN VITRO BILIRUBIN PHOTODESTRUCTION ACTION SPECTRUM REVISITED.
A Schuh, JI Vreman, RJ Wong, B Clin and DK Stevenson, Stanford, CA. Stanford University School of Medicine

4:45 DOSAGE OF PENTOBARBITALALTERS 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, MJ Dahl, RA McKnight, DM Null, BA Yoder, R DiGeronimo, RH Lane and KH Albertine, Salt Lake City, UT. University of Utah

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

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)

1:45 RENAL PROTECTION FROM COLD ISCHEMIA IN HIBERNATING MAMMALS.
A Jari, S Jain and C Edelstein, Denver, CO. University of Colorado Denver

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)

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

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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

#### State-of-the-Art Speaker

**THE BOTTLENECKS FOR STEM CELL AND KIDNEY TRANSPLANT PROTOCOLS.**

Connie Davis, University of Washington

Abstract 311

### 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 Bats, 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.**


Abstract 315

2:15  **EFFECTS OF NON-STEROIDAL ANTI-INFLAMMATORY DRUGS ON THE HYPOXIC VENTILATORY RESPONSE AND ACCLIMATIZATION TO CHRONIC HYPOXIA IN HUMANS.**

*BH o, 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, F 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*

Abstract 320

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 321

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 322

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 323

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 324

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 325

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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

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)

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: HARNESING 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
Alberta Kong and Caroline Barangan, Presiding

1:00 ADVOCACY AT A NATIONAL LEVEL DURING RESIDENCY: A RESIDENT'S REFLECTIONS ON LESSONS LEARNED.
R Kar, M Weiss and S Yang, Fresno, CA and Pomona, CA. University of California, San Francisco-Fresno (WSMRF) Abstract 327

1:15 ATTITUDES OF PARENTS TOWARD CHILDHOOD VACCINATION IN THE UNDERSERVED POPULATION.
U Dinh and AK Cho, Los Angeles, CA. David Geffen School of Medicine at UCLA Abstract 328

1:30 PREDICTABILITY OF ABNORMAL ECGS IN THE PEDIATRIC POPULATION.
M Sandoval, J Whitefield, M Tennison and A Green, Albuquerque, NM and Washington, DC. University of New Mexico School of Medicine Abstract 329

1:45 SWIMMERS MAY NOT FOCUS ON THEIR MOST INJURED BODY REGION DURING DRYLAND TRAINING.
KJ Hancock, BJ Krabak and S Drake, Seattle, WA and Jonesboro, AR. University of Washington Abstract 330

2:00 SPORTS CONCUSSION EVALUATION AND MANAGEMENT IN WASHINGTON STATE HIGH SCHOOLS.
A Petrosian, M Kaufman, D Colomno and J Leahy, Seattle, WA. University of Washington School of Medicine (WSMRF) Abstract 331

2:15 ASSESSING THE FEASIBILITY OF A DIABETES RISK REDUCTION PROGRAM FOR MULTIETHNIC ADOLESCENTS AND YOUNG ADULTS.
A Mandeville, M Jenkins, A Harris, R Wold, B Skipper and A Kong, Albuquerque, NM. University of New Mexico, Health Sciences Center (WSMRF) Abstract 332

2:30 WHITE MATTER INTEGRITY IN INSULA AND FORNIX IMPLICATED IN BULIMIA NERVOSA.
LN Mettler, M Shott, M Rollin and G Frank, Aurora, CO. University of Colorado School of Medicine (WSPR Subspecialty Award Winner) Abstract 333

2:45 – 3:00 Intermission

3:00 State-of-the-Art Speaker
INTERVENTIONS FOR TREATING OBESITY IN ADOLESCENTS.
Alberta Kong, University of New Mexico Abstract 334

3:30 EXPLORING RISK FACTORS FOR STONE FORMATION AMONG RURAL UGANDAN CHILDREN.
A Burbank, C White, M Bardi, L Chow, W Cannon and A Macnab, Vancouver, BC, Canada. University of British Columbia Abstract 335

3:45 CASE REPORT: BILATERAL OBSTRUCTIVE URIC ACID CALCULI IN A 7 YEAR OLD BOY ON THE COG 9952 REG B PROTOCOL FOR TREATMENT OF LOW GRADE ASTROCYTOMA.
L Harper, J Masterson and J Mickelson, Vancouver, BC, Canada. University of British Columbia Abstract 335

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4:00 LEARN PEDIATRICS: EVALUATION OF A WEB-BASED RESOURCE FOR MEDICAL STUDENTS LEARNING PEDIATRIC CLINICAL SKILLS.  

4:15 MEDICAL STUDENT INVOLVEMENT WITH LEARNPEDIATRICS.COM: AN EDUCATIONAL WEB-BASED RESOURCE.  

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)  

4:45 PARENTAL ATTITUDES TOWARDS CIRCUMCISION.  
GB Taylor, Albuquerque, NM. University of New Mexico School of Medicine  

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)  

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 Braaga, S Bhaisin, R Jasuja, S Pervin and R Singh, Los Angeles, CA and Boston, MA. Charles Drew University of Medicine and Science  

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  

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  

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  

2:15 THE USE OF 17α-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)  

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  

2:45 HOW SWEET IT IS: GLYCATED HEMOGLOBIN IN THREE GROUPS OF WORKERS.  
LW Raymond, J Pankowski, K Sensenbrenner and KG Yee, Chapel Hill, NC and Charlotte, NC. University of North Carolina, Chapel Hill (WAFMR)  

3:00 GESTATIONAL DIABETES AWARENESS IN A HIGH-RISK GROUP: REACHING HISPANIC WOMEN IN BELLMINGHAM, WA.  
A Piazza, Seattle, WA. University of Washington School of Medicine  

3:15 – 3:30 Intermission  

3:30 PROMOTING DIABETES SELF-MANAGEMENT IN INDIAN AND EAST AFRICAN PATIENTS.  
S McGuffin, Seattle, WA. University of Washington  

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  

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  

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  

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)  

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4:45 Rates of Weight Loss in Diabetic Versus Non-Diabetic Subjects in an Outpatient Very Low Calorie Diet Program.
MY Wang, C Tseng, M Deng, Z Li and D Heber, Los Angeles, CA. David Geffen School of Medicine at UCLA

5:00 Evaluation of Insulin Resistance in Young Adults with Acute Coronary Syndrome (EIRYS) - A 10 Year Retrospective Study.
M Singh, VH Bolla, T Acharya and S Paul, Fresno, CA. University of California, San Francisco-Fresno

Exercise and Health Maintenance
Sunset Center, Rehearsal Room
Laurel Desnick, Presiding

1:30 Epidemiology of Inmate Exposures to Poisons in California Penal Institutions.
S Arain, R Geller, R Kezirian, S Huntington, T Carlson and D Strong, Madera, CA. Children’s Hospital of Central California (WSMRF)

1:45 Developing Evidence-Based Sentinel Surveillance in the Global South: Evaluation of a Pilot Project Utilizing Time Space Sampling to Determine HIV Prevalence Among MSM in Urban Peru.
C Blair and J Clark, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

2:00 Fall Prevention Education for Seniors in Lewis County, Washington.
B Christopher, Seattle, WA. University of Washington (WSMRF)

2:15 Preventing Falls in Community Dwelling Seniors in Hamilton, Montana Through Community-Based Tai Chi Classes.
KA Glass, Seattle, WA. University of Washington School of Medicine

2:30 Fall Prevention in Community Dwelling Adults Over 65.
B Harms, Seattle, WA. University of Washington School of Medicine (WSMRF)

2:45 Foot-Specific Education and Exercise for Older Adults in Sitka, Alaska.
NJ Kim, Seattle, WA. University of Washington School of Medicine (WSMRF)

3:00 Yoga for Anxiety Reduction in Women Recovering from Addiction.
S Ordway, Seattle, WA. University of Washington

3:15 – 3:30 Intermission

3:30 Promoting Physical Activity with Frisbee Golf in Delta Junction, Alaska.
S Werner, Seattle, WA. University of Washington School of Medicine

3:45 Evaluating Vitamin D Repletion Regimens and Their Relationship to Changes in Vitamin D Serum Levels in Veteran Patients.
S Aterrado, G Ono, S Kanehira-Mar, J Meier and A Swislocki, Mather & Martinez, CA and Davis, CA. Veterans Affairs Northern California

4:00 Men Who Abstain from Smoking for Five Days as Measured by Blood Cotinine Levels Report Decreases in Desire to Smoke, Withdrawal Symptoms, Anxiety, Irritability and Subjective Stress.
D Weyhrauch, M Layton and J Banasik, Seattle, WA and Spokane, WA. University of Washington School of Medicine (WSMRF)

General Internal Medicine and Aging
Sunset Center, Promenade Lobby
George R. Merriam and S. Mitchell Harman, Presiding

1:30 How Low is Too Low? Diastolic Blood Pressure and All-Cause Mortality in VA Patients.
S Tringali, CW Oberer, A Soon, J Fong and J Huang, Fresno, CA. University of California, San Francisco, Fresno (WSCI Travel Award Winner)

1:45 The Impact of Incarceration on Linkage to, Retention in, and Outcomes of Care Among Low-Income, HIV-Positive Persons.
CR Kovaleski, T Nakazono and W Cunningham, LA, CA. David Geffen School of Medicine at UCLA

2:00 Use of Psychotropic Medications Among Underserved African American Seniors.
E Huber, G Orum, H Yazdanshenas and M Bazargan, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

2:15 Depression Among the Elderly: Awareness Education in Butte, Montana.
A Furuko, Seattle, WA. University of Washington School of Medicine

2:30 Antidepressant Use Associated with Mortality and Cardio-Vascular Outcomes in a Veteran Population.
T Acharya, S Tringali, S Sandhu, M Singh and J Huang, Fresno, CA. VA CCHS

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

3:15–3:30 Intermission

3:30 CORRELATES AND PREVALENCE OF URINARY INCONTINENCE AMONG OLDER, COMMUNITY-DWELLING CALIFORNIANS.
E Dubin, A Khan and J Anger, Los Angeles, CA. David Geffen School of Medicine at UCLA (WSMRF)

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 Shin, Seattle, WA. University of Washington

4:00 DIFFERENTIAL EFFECTS OF EXOGENOUS INDUCED OXIDATIVE STRESS ON HUMAN SPERMATOZOA DNA INTEGRITY AND MOTILITY.
C Reiner and C Müller, Seattle, WA. University of Washington (WSMRF)

4:15 KIKUCHI-FUJIMOTO LYMPHADENITIS.
JW Wong and TL Werner, Salt Lake City, UT. University of Utah

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)

Hematology and Oncology II
Sunset Center, Studio 105
Virginia Broudy, Presiding

1:30 HIGH BCL11B EXPRESSION IS CORRELATED WITH HIGH C-MYC EXPRESSION AND ANTIAPOTOTIC PHENOTYPE IN MEDULLOBLASTOMA.
B Cristiano, D Birks, I Alimova and R Vibhakar, Denver, CO and Aurora, CO. University of Colorado

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)

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)

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

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)

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

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

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

3:45 DEFINING VENOUS THROMBOEMBOLISM IN PATIENTS WITH CANCER.
P Brittain, S Kelly and D Garcia. Albuquerque, NM. University of New Mexico

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)

4:15 DETECTION OF MESOTHELIOMA USING AUTOANTIBODY SIGNATURES.
D Thomas, L Zhao, X Zhang and L Zhong, Pomona, CA. Western University

4:30 OUTCOME OF RETROPERITONEAL SARCOMAS TREATED AT THE UNIVERSITY OF WASHINGTON.
P Brennitz, D Byrd, RL Jones, G Kane, S Chai, B Kurland, E Rodler, E Loggers, S Pollack, J White, B Hoch, V Pillarssetty and G Mann, Seattle, WA. University of Washington

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

5:00 A NOVEL CASE OF DIAMOND-BLACKFAN ANEMIA WITH A 2011.2 CHROMOSOMAL DELETION.
R Fisher, RD Clark and AA Bedros, Loma Linda, CA. Loma Linda University
Immunology and Rheumatology II
Sunset Center, Chapman Room #4
Keith Colburn and Ioana Moldovan, Presiding

1:30 EXPOSURE TO ATTENUATED TOXOPLASMA GONDII AND SURFACE PROTEIN SAG1 BLOCKS THE DEVELOPMENT OF TH2-MEDIATED ASTHMATIC AIRWAY INFLAMMATION.
SJ Lee, G Arizabalaga and T Miura, Seattle, WA and Moscow, ID. University of Washington School of Medicine (WAFMR)

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)

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

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

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)

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

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

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)

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)

2:15 HYPEROXIA INDUCES ALVEOLAR HYPOPLASIA THROUGH CHANGES IN ADENOSINE RECEPTOR EXPRESSION IN NEWBORN MICE.
S Davanit, B Lopez, ZH Aghai and VA Londhe, Los Angeles, CA and Philadelphia, PA. David Geffen School of Medicine at UCLA

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)

2:45 SIPAP AND CPAP PROVIDE EQUIVALENT SUPPORT IN LOW BIRTH WEIGHT INFANTS WITH RESPIRATORY DISTRESS.

3:00 INTRAUTERINE GROWTH RESTRICTION INCREASES LUNG NITRIC OXIDE SYNTHASE ACTIVITY AT BIRTH AND DELAYS ONSET OF RIGHT VENTRICULAR HYPTERTROPHY IN FEMALE BUT NOT MALE RATS.
DT Malleske, R Kaur, X Yu, C Callaway, R McKnight, K Albertine and R Lane, Salt Lake City, UT. University of Utah (WSPR)

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)

3:30–3:45 Intermission

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

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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

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

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)

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)

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)

3:00 AMINO-TERMINAL CLEAVAGE OF APOLIPOPROTEIN E4 IN ALZHEIMER'S DISEASE.
KG Coonse, LW Catlin and TT Rohn, Seattle, WA and Boise, ID. University of Washington (WSMRF)

3:15 THE EFFECT OF TBRI ON INTERNEURON MIGRATION IN MICE.
RJ Feczko and R Hevner, Seattle, WA. University of Washington School of Medicine

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

3:45 State-of-the-Art Speaker
PAIN AND ADDICTION - THE OPIATE DRUG DILEMMA.
Christopher Evans, David Geffen School of Medicine at UCLA

2:30–2:45 Intermission

3:45 THE LONG-TERM OUTCOMES OF BARRETT'S ESOPHAGUS IN PATIENTS TREATED WITH LAPAROSCOPIC ANTI-REFLUX SURGERY.
D Bushyhead, M Hinojosa, M Loviscek, E Wassenaar, C Pellegrini and B Oelschlager, Seattle, WA. University of Washington School of Medicine

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)
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)

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

4:00 INTEGRIN SIGNALING AND OSTEOGENESIS IN HUMAN MESENCHYMAAL 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)

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

4:30 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

4:45 ASSESSING NOVEL METHODS IN FACIAL RECONSTRUCTION: ELECTROMECHANICAL RESHAPING.
K Badran, C Manuel, C Waki, D Protsenko and BJ Wong, Irvine, CA.

Surgical Procedures
Sunset Center, Bingham Room #3

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

1:45 USE OF SAFETY-ENGINEERED SCALPELS TO REDUCE SHARPS INJURY IN THE OR: WHAT IS THE EVIDENCE?

2:00 MEASURED CYTOKINE RESPONSE TO LASIK SURGERY PLUME PARTICULATE.
CA Johnson, S Lafanto, J Petras and MJ Taravella, Aurora, CO. University of Colorado School of Medicine

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

2:30 RADIATION EXPOSURE DURING CENTRALVENOUS LINE INSERTION IN PEDIATRIC ONCOLOGY PATIENTS: COMPARISON OF OUT OF HOURS AND IN HOURS SURGERY.
S Nguyen, S Butterworth, Vancouver, BC, Canada. University of British Columbia (WSMRF)

2:45 ENDOSCOPIC FOREHEAD CYST REMOVAL: A CASE SERIES.
DC Kuo, CG Tang and CE Shih, Oakland, CA. Kaiser Permanente Oakland Medical Center

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

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)

3:45 SURGICAL RESECTION OF PEDIATRIC CEREBELLAR ASTROCYTOMAS.

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

4:15 COMPARISON OF SURGICAL AND NON-SURGICAL TREATMENTS FOR CONGENITAL MICROPHTHALMIA.
AK Nohori, H Garneau, D Isaacs, C Hwang and R Goldberg, Los Angeles, CA. David Geffen School of Medicine at UCLA

4:30 TRENDS IN SURGICAL UTILIZATION AND ASSOCIATED PATIENT OUTCOMES IN THE TREATMENT OF ACOUTIC NEUROMA.

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