Program Schedule

Thursday, January 12, 2017

1:00 - 1:20   Welcome & Address  
Gabriel Haddad, MD  
Distinguished Professor of Pediatrics and Neurosciences  
Chair, Department of Pediatrics,  
University of California San Diego  
Physician-In-Chief & Chief Scientific Officer,  
Rady Children’s Hospital – San Diego

Bioinformatics and Disease  
Moderator:  Victor Nizet, MD

1:20 – 1:40   “Novel Insights into the Genetic Mechanisms of Diabetes Risk”  
Kyle Gaulton, PhD  
Assistant Professor of Pediatrics  
Division of Gastroenterology

1:40 – 2:00  “Challenges in the Discovery and Interpretation of Mutations in Disease Associated Genes”  
Vikas Bansal, PhD  
Assistant Professor of Pediatrics  
Division of Genome Information Sciences

2:00 – 2:20  “Engineering Better Therapeutics with Systems Analyses and Genome Editing”  
Nate Lewis, PhD  
Assistant Professor of Pediatrics  
Division of Host-Microbe & Systems Therapeutics

2:20 – 2:40  “Computationally-driven Answers to Disease”  
Debashis Sahoo, PhD  
Assistant Professor of Pediatrics  
Division of Genome Information Sciences

2:40 – 3:10  Keynote:  “Genetic (mal-)adaptation: Nature's Spotlight on Human Disease”  
Vineet Bafna, PhD  
Professor of Computer Science & Engineering  
Jacobs School of Engineering

3:10 – 3:20  Break
Surgical Advances
Introduction: Scott Mubarak, MD
Moderator: Dennis Wenger, MD

Timothy Fairbanks, MD
Associate Clinical Professor of Surgery
Division Chief of Pediatric Surgery
Vice President/Medical Director of Surgery
Children’s Specialists of San Diego

3:35 – 3:45 “Infant Hip Dysplasia Outcomes in a Multi-Center Study”
Salil Upasani, MD
Assistant Clinical Professor of Surgery
Division of Pediatric Orthopedic Surgery

Anna Kim, MD
Division of Pediatric Ophthalmology

3:55 – 4:05 “Leveraging Informatics for Comparative Effectiveness Research”
George Chiang, MD
Associate Clinical Professor of Surgery
Division Chief of Urology

4:05 – 4:15 “Robotic-assisted Endoscopic Third Ventriculostomy for the Treatment of Hydrocephalus”
David Gonda, MD
Assistant Clinical Professor of Surgery
Division of Pediatric Neurosurgery

4:15 – 4:25 “Quality of Life Tool for Children with Facial Deformities”
Amanda Gosman, MD
Clinical Professor of Surgery
Division of Plastic Surgery

Matthew Brigger, MD
Associate Professor of Clinical Surgery
Division of Otolaryngology

4:35 – 4:45 “An Instrumented Glove for Improving Spasticity Assessment”
Andrew Skalsky, MD
Associate Clinical Professor of Orthopaedic Surgery
Dept of Orthopaedic Surgery
Division of Pediatric Rehab Medicine

Val Catanzarite, MD, PhD.
Chief of Perinatology/High Risk OB

4:55 – 5:15 Keynote: “How 3D Imaging of Scoliosis Changes What We Think We Know”
Peter Newton, MD
Chief of Orthopedic Surgery & Scoliosis

5:15 Closing Remarks
Welcome & Address

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Infectious Diseases/Allergy/Immunology
Moderator: Stephen Spector, MD

8:50 – 9:10  “Time to Unwind: A Novel B Cell Immunodeficiency”
Lori Broderick, MD, PhD
Assistant Professor of Pediatrics
Division of Allergy, Immunology & Rheumatology

9:10 – 9:30  “New Approaches to the Evaluation of Neonatal Neutrophils and Sepsis Risk”
Shelley Lawrence, MD, MS
Assistant Clinical Professor of Pediatrics
Division of Neonatology

9:30 – 9:50  “Eosinophilic Esophagitis – A Diagnosis That’s Hard to Swallow: Mechanisms and Clinical Impacts of Tissue Remodeling”
Seema Aceves, MD, PhD
Associate Professor of Clinical Pediatrics
Division of Allergy, Immunology & Rheumatology

9:50 – 10:10  “The Emerging Story of Atorvastatin for Treatment of Acute Kawasaki Disease”
Adriana Tremoulet, MD
Associate Professor of Clinical Pediatrics
Division of Host Microbe Systems & Therapeutics

Keynote: Fernando Martinez, MD
Regents’ Professor of Pediatrics
Division of Pulmonology/Allergy and Immunology
Director, BIO5 Institute
Director, Arizona Respiratory Center
University of Arizona

10:20-10:40 Break
Injury/Organogenesis
Moderator: Christina Chambers, PhD

10:40 – 11:00 “Insights into Neonatal Hypoxic Injury from Animal Models of Human Disease”
Farhad Imam, MD, PhD
Assistant Professor of Pediatrics
Division of Neonatology

11:00 – 11:20 “Novel Role of Macrophages in the Pathogenesis of Type 1 Diabetes”
Wenxian Fu, PhD
Assistant Professor of Pediatrics
Division of Endocrinology

Elliott Perens, MD, PhD
Assistant Professor of Pediatrics
Division of Nephrology

11:40 – 12:00 “Genome-wide Assessment Reveals Marked Differences in the Transcriptome and Epigenome of Mononuclear Phagocytes in the Lung”
Eniko Sajti, PhD
Assistant Clinical Professor of Pediatrics
Division of Neonatology

12:00–12:30 “Nuclear Receptors, Oxygen & the First Breath”
Keynote: Ron Evans, PhD
Professor of Biology, Biomedical Sciences, and Neuroscience
Director, Gene Expression Laboratory
Howard Hughes Medical Institute Investigator
March of Dimes Chair in Molecular and Developmental Biology
Salk Institute for Biological Studies

12:30 – 2:30 Lunch

1:00 – 2:30 Poster Session
Please see booklet for abstracts

Stem Cell/Cell Biology
Moderator: Jeffrey Schwimmer, MD

2:30 – 2:50 “Hematopoietic Stem Cell Gene Therapy for the Lysosomal Storage Disorder Cystinosis: Clinical Translation and Application to Mitochondrial Diseases”
Stephanie Cherqui, PhD
Associate Professor of Pediatrics
Division of Genetics

2:50 – 3:10 “Growth Factor Receptor Trafficking: Recycling Targets for Neuroblastoma Therapy”
Peter Zage, MD, PhD
Associate Professor of Pediatrics
Division of Hematology/Oncology
3:10 – 3:30  “Accelerating Cures for Rare Diseases: Therapeutic Rescue of Niemann-Pick type C1 Stem Cell –derived Neurons Using Repurposed Drugs”
Paulina Ordonez, MD
Assistant Professor of Pediatrics
Division of Gastroenterology

3:30 – 3:50  “Lost in Translation: Effects of a Mutant Protein in the Gut”
Mamata Sivagnanam, MD
Associate Clinical Professor of Pediatrics
Division of Gastroenterology

3:50 – 4:20  “Probing the Secrets of Alzheimer’s Disease with Stem Cells”
Larry Goldstein, PhD
Distinguished Professor of Cellular and Molecular Medicine
Department of Neurosciences
Director, UC San Diego Stem Cell Program
Scientific Director, Sanford Consortium for Regenerative Medicine
Director, Sanford Stem Cell Clinical Center

4:20 – 4:50  Closing Keynote Speaker
(Introduction by Gabriel Haddad, MD)
“Medically-driven Engineering Innovation: The Best Days Yet to Come”
Albert (“Al”) Pisano
Distinguished Professor, Mechanical & Aerospace Engineering and Electrical & Computer Engineering
Walter J. Zable Endowed Chair of Engineering
Dean, UCSD Jacobs School of Engineering

4:50-5:15  Award Winners Announced

5:15 – 6:30  2nd Poster Session