8:30-9:00 AM Registration and Light Breakfast

9:00 - 9:10 AM Opening Remarks
Mary Leonard, MD, MSCE, Stanford Maternal & Child Health Research Institute; Cynthia J. Brandt, PhD, Lucile Packard Foundation for Children’s Health; Lloyd B. Minor, MD, Stanford School of Medicine

9:10 – 10:00 AM Welcome Introductions & Keynote
Anthony Oro, MD, PhD, Stanford School of Medicine

Keynote Address: Stem Cell Niches in the Bone Marrow
Sean J. Morrison, PhD, Children’s Medical Center Research Institute, University of Texas, Southwestern

10:00 – 10:40 AM Session 1: MCHRI Faculty Scholars Program
Moderator: Harvey J. Cohen, MD, PhD, Pediatrics

Why are Pregnant Women More Susceptible to Complications from Influenza? - Catherine Blish, MD, PhD, Medicine

Cellular Reprogramming to Model and Treat Pediatric Myelin Diseases - Marius Wernig, MD, PhD, Pathology

10:40 -11:15 AM – Break; Poster Session Open

11:15 -12:15 PM Session 2: MCHRI Partners Program
Moderator: Mark R. Cullen, MD, Medicine, Biomedical Data Science, and Health Research & Policy

A New Perspective in the Early Diagnostics and Cure of IPEX Patients - Rosa Bacchetta, MD, Pediatrics

Preventing mental health challenges and violence among adolescents in informal settlements in Nairobi, Kenya: Can Empowerment Programs Do Both? - Clea Sarnquist, DrPH, MPH, Pediatrics

Physiologic Evolution: Growing up in a Modern, Clean World - Julie Parsonnet, MD, Medicine & Health Research & Policy

Stem Cells in Human AML - Ravindra Majeti, MD, PhD, Medicine

12:15 – 1:15 PM – Lunch; Poster Session Open

1:15 – 2:15 PM Session 3: Early Career Investigators and Trainees
Moderators: Daniel Bernstein, MD, Pediatrics; Natalia Gomez-Ospina, MD, PhD, Pediatrics; Melissa Mavers, MD, PhD, Pediatrics

Decoding p53-driven Developmental Syndromes - Margot Bowen, PhD, Radiation Oncology

MTSS1/Src Family Kinase Dysregulation Contributes to Multiple Neurodegenerative Disorders - Alexander Brown, PhD, Dermatology

Beta-globin Gene Correction in Autologous Hematopoietic Stem Cells to Cure Sickle Cell Disease - Daniel Dever, PhD, Pediatrics

An Ensemble Learning Method for Early Detection of Autism and Other Developmental Delays in Bangladeshi Children using Crowdsourced Video Annotations - Scott Fleming, Medicine

Role of Drp1/Fis1 - Mediated Mitochondrial Dysfunction in Septic Cardiomyopathy - Bereketeb Haileselassie, MD, Pediatrics

2:15-3:15 PM Session 4: MCHRI Faculty Pilot Grant & Transdisciplinary Initiative Program
Moderator: Leslee L. Subak, MD, Obstetrics & Gynecology

Autism Spectrum Disorder: From Genes to Neurons - Joachim Hallmayer, MD, Dr. Med, Psychiatry & Behavioral Sciences

Developmental Regulation of Pulmonary Angiogenesis by the Lung Microenvironment - Cristina M. Alvira, MD, Pediatrics

Reciprocal Insights into Stem Cell Biology from Organoids and Animals - Calvin Kuo, MD, PhD, Medicine

Gene Modification and Gene Replacement in Neuromuscular Disease - John W. Day, MD, PhD, Neurology & Neurological Sciences

3:15 – 3:20 PM – Closing Remarks

3:20 – 4:00 PM – Poster Session Open
3:20 – 4:30 PM – Wine and Cheese Reception
3:30 – 4:30 PM - Speed Dating Session
The goal of the Speed Dating Session is to create an informal environment to promote collegial interactions and raise awareness of translational research occurring at Stanford. Attendees will meet with faculty for 10 minutes each and may ask questions related to the faculty member’s career path, research, common research interests, or any desired topic.

Each faculty member will have six time slots available - every 10 minutes from 3:30 to 4:30pm. Attendees may sign up to meet with up to 6 different faculty members; however, attendees may only sign up for one time slot per faculty (and only one faculty per time slot). Attendees may sign up for fewer than 6 faculty if desired.

This will be an excellent opportunity for attendees to have informal and immediate interaction with faculty. This session is organized by the Stanford-affiliated graduates of the International Eureka Institute for Translational Medicine, who are now ambassadors of the Stanford MCHRI Eureka partnership.

**Sign up to “speed date” with one or more of the faculty participants!**

- Cristina M. Alvira, MD – Table #1
- Rosa Bacchetta, MD – Table #2
- Daniel Bernstein, MD – Table #3
- Catherine Blish, MD, PhD – Table #4
- Mark R. Cullen, MD – Table #5
- Manisha Desai, PhD – Table #6
- Heidi M. Feldman, MD, PhD – Table #7
- Joachim Hallmayer, MD, Dr.Med – Table #8
- Calvin Kuo, MD, PhD – Table #9
- David Maahs, PhD – Table #10
- Lloyd B. Minor, MD – Table #11
- Anthony Oro, Md, PhD – Table #12
- Julie Parsonnet, MD – Table #13
- Maria Grazia Roncarolo, MD – Table #14
- Clea Samquist, DrPH, MPH – Table #15
- Gary M. Shaw, DrPH – Table #16
- Marius Wernig, MD, PhD – Table #17

**POSTER SESSION**

**CHECK OUT 125+ MATERNAL AND CHILD HEALTH RESEARCH POSTERS!**

**Poster by Research Topic**

- Allergy / Asthma / Immunology: Posters 1 – 4
- Biodesign / Biotechnology: Posters 5 – 9
- Cardiovascular Medicine: Posters 10 – 16
- Global Health / Infectious Disease: Posters 17 – 36
- Hematology / Oncology: Posters 37 – 49
- Maternal & Fetal Health: Posters 50 – 63
- Neonatal & Developmental Medicine: Posters 64 – 85
- Neurobiology & Behavioral Medicine: Posters 86 – 106
- SPARK: Posters 107 – 111
- Stem Cell: Posters 112 – 125
- Undiagnosed Disease Network: Posters 126 – 128

**Poster Session Times**

10:40am-11:15am; 12:15pm-1:15pm; 3:20pm-4:00pm

**Poster by Location**

Posters 1 – 96: Li Ka Shing Center, Berg Hall, Room A
Posters 97 – 128: Li Ka Shing Center, Berg Hall, Lobby

**VIEW POSTER TITLES HERE:**


or scan QR code above