SUNDAY, OCTOBER 30TH, 2016: OPENING CEREMONY AND RECEPTION

5:00 – 6:15 PM OPENING CEREMONY & RECEPTION – 2nd floor Lobby, Li Ka Shing Center, Berkeley campus. All symposium attendees welcome

G. Steven Martin (UCB) – Welcome
Frieda Law, Li Ka Shing Foundation – Mr. Li Ka Shing and the Li Ka Shing Foundation
Robert Tjian, UCB – UC Berkeley and the Li Ka Shing Foundation
Keith Yamamoto, UCSF – Precision Medicine at UCB and UCSF

MONDAY, OCTOBER 31ST, 2016: SYMPOSIUM DAY 1 – NEW INSIGHTS INTO HEALTH AND DISEASE

Goldman Auditorium, David Brower Center, 2150 Allston Way, Berkeley

8:00 AM Coffee and pastries; registration

8:45 – 9:00 AM WELCOME AND INTRODUCTORY REMARKS (G. Steven Martin)

9:00 – 10:15 AM SESSION I – Session chair Marian Joels (Groningen)

• Gregory Barton, University of California, Berkeley: "Mechanisms of Self Versus Non---Self---Discrimination in the Immune System"
• Alexander Marson, University of California, San Francisco: “CRISPR Genome Editing in Primary Immune Cells”
• Jennifer Puck, University of California, San Francisco: “Undiagnosed Childhood Diseases”

10:15 – 10:45 AM BREAK

10:45 AM – 12:30 PM SESSION II – Session chair Junhui Bian (Shantou)

• Richard Gilbertson, University of Cambridge: “Charting the Origins of Cancer”
• Allen Chan, Department of Chemical Pathology, The Chinese University of Hong Kong: “Potential Application of Liquid Biopsy for Cancer Screening”
• Yuval Shaked, Technion – Israel Institute of Technology: “Balancing Host Molecular and Cellular Effects in Response to Anti---Cancer Drugs and their Therapeutic Implications on Cancer”
• Russ B Altman, Departments of Bioengineering, Genetics, Medicine and Computer Science, Stanford University: “Informatics Methods to Understand Drug Response”

12:30 – 1:30 PM LUNCH

1:30 – 2:45 PM SESSION III – Session chair Martin Landray (Oxford)

• Janet Smylie, Centre for Research on Inner City Health, St. Michael’s Hospital: “Addressing Social Determinants of Indigenous Health in Canada: Emerging Evidence”
• Charles Bernstein, University of Manitoba: "Using Epidemiology to Pursue Etiology in Inflammatory Bowel Disease”
• David Evans, Li Ka Shing Institute of Virology, University of Alberta: “The Li Ka Shing Institute of Virology: Applied Virology”

2:45 – 3:15 PM BREAK

3:15 – 4:30 PM SESSION IV – Session chair Ying---Shing Chan (Hong Kong University)

• Cecilia Lindgren, University of Oxford: “Obesity: Using Large---Scale Genetic Data to Dissect Underlying Biology”
• Erik Boddeke, University Medical Center Groningen: “Molecular Mechanisms of Brain Ageing”
• Qiang Shan, Shantou University Medical College (SUMC): “Synaptic Plasticity Underlying Action Control”
TUESDAY, NOVEMBER 1ST, 2016. SYMPOSIUM DAY 2 – EMERGING THERAPIES AND TECHNOLOGIES
Goldman Auditorium, David Brower Center, 2150 Allston Way, Berkeley

8:30 AM Coffee and pastries

9:00 – 10:15 AM SESSION I – Session chair Peter Nickerson (Manitoba)
• Andras Kapus, Keenan Centre for Biomedical Research, St. Michael’s Hospital: “Scar Wars: Cellular and Molecular Mechanisms in Fibrosis”
• Patrick Maxwell, University of Cambridge: “Modulating Oxygen Sensing as a Therapeutic Strategy”
• Itamar Kahn, Technion, Israel Institute of Technology: “Novel Translational Imaging Methods to Study Brain Disorders”

10:15 – 10:45 AM BREAK

10:45 AM – 12:00 PM SESSION II – Session chair Sofie Kleppner (Stanford)
• Marion S Buckwalter, Neurology and Neurological Sciences, Stanford University: “A New Twist On Old Thinking: Immune Surprises in Dementia”
• Christian Beaulieu, Peter S. Allen MR Research Centre, University of Alberta: “Magnetic Resonance Imaging of Human Brain Connectivity”
• Jiming Kong, University of Manitoba: “Functional Restoration of the Brain: White Matter Matters”

12:00 – 1:00 PM LUNCH

1:00 – 2:15 PM SESSION III – Session chair Eliezer Shalev (Technion)
• Elisabeth de Vries, Department of Medical Oncology, University Medical Center Groningen: “Molecular Imaging Developments in Oncology to Support Drug Development and Immunotherapy Treatment Decisions”
• Daniel Portnoy, University of California, Berkeley: “Listeria Monocytogenes: From Basic Science to Cancer Immunotherapy”
• Aiden Doherty, University of Oxford: “Characterizing the Physical Activity Phenotype Using Wearable Sensors”

2:15 – 2:45 PM BREAK

2:45 – 4:00 PM SESSION IV – Session chair Paul Melançon (Alberta)
• Chengyang Huang, Shantou University Medical College: “Molecular Control of Stem Cell Fate: From Basic Biology to the Clinic”
• Kathy Lui, Department of Chemical Pathology, The Chinese University of Hong Kong, “Driving cardiovascular regeneration for diabetics”
• Nevan Krogan and Anne Hiniker, University of California, San Francisco: “Using Systems Approach to Study Disease: The Case of Global Proteomics and Neurodegenerative Diseases”

4:00 – 5:00 PM RECEPTION