10:05am  METABOLISM OF AGING AND CANCER AND METABOLISM
Theme Lead: Orian Shirihai, Chair and Professor, Endocrinology, Diabetes and Hypertension
Ming Guo, Professor, Neurology, Molecular and Medical Pharmacology
Anthony Covarrubias, Assistant Professor, Microbiology, Immunology and Molecular Genetics
David Shackleford, Associate Professor, Pulmonary and Critical Care Medicine

11:10am  NEUROSCIENCE BREAKTHROUGHS: FROM MOLECULES TO PATIENTS
Theme Lead: S. Lawrence Zipursky, Professor, Biological Chemistry
Molecules: Drug Receptor Structures
Hong Zhou, Professor, Microbiology, Immunology, and Molecular Genetics
Cells: Human Organoids
Aparna Bhaduri, Assistant Professor, Biological Chemistry
Circuits: Brain Maps and Circuits
Hongwei Dong, Professor, Neurobiology
Behavior: Social Interactions
Weizhe Hong, Associate Professor, Biological Chemistry and Neurobiology
Computation: Decision Making
Anne Churchland, Professor, Neurobiology
Disease: Aging and Neurodegeneration
Ming Guo, Professor, Neurology, Molecular and Medical Pharmacology

2:50pm  BREAK NETWORKING

3:00pm  PRECISION HEALTH
Theme Leads:
Daniel Geschwind, Distinguished Professor, Neurology, Psychiatry and Human Genetics; Senior Associate Dean and Associate Vice Chancellor, Precision Health
Clara Lajonchere, Deputy Director, UCLA Institute for Precision Health; Co-Director, Clinical Neurogenomics Research Center
Moderator: Clara Lajonchere
UCLA ATLAS Community Health Initiative and Successful Biopharma Collaborations
Daniel Geschwind
California Center for Rare Diseases
Stanley Nelson, Professor and Vice Chair, Human Genetics; Professor, Psychiatry
Health Record Research
Bogdan Pasaniuc, Associate Professor, Pathology and Laboratory Medicine, Human Genetics, Computational Medicine
The UCLA Center for Smart Health
Alex Bui, Co-Director, Center for SMART Health, Director of the UCLA Medical & Imaging Informatics
Drug Discovery for Neurodegeneration Using Big Data
Daniel Geschwind

AGENDA
Legacy, 2nd Floor

Overview of HETSS
Rochelle Dicker and Helena Hansen
PASE - Program for the Advancement of Surgical Equity as Model for Integrating Social Technologies into Clinical Care
Catherine Juillard, Associate Professor-in-Residence, Surgery
Community Participatory Research as a Social Technology
Keith Norris, Professor, Medicine, UCLA Division of General Internal Medicine and Health Services Research
The Social Forces Shaping Inequities in Biomedical Technologies
Terence Keel, Associate Professor, Department of African American Studies and the UCLA Institute for Society and Genetics

All times are Pacific Time. All times and speakers subject to change.

#LABEST2022 | tdg.ucla.edu
10:05am  THE GLOBAL REACH OF I3T RESEARCH: INNOVATION FOR CURRENT AND EMERGING INFECTIONS  
Theme Lead: Gay Crooks, Director, UCLA I3T - Immunology, Inflammation, Infection and Transplantation Research  
International Study of Zika Virus and COVID-19  
Karin Nielsen, Professor of Pediatrics, Division of Infectious Diseases  
Collaborating for COVID-19 Research  
Vaithi Arumugaswami, Adjunct Associate Professor, Molecular and Medical Pharmacology  
Enterovirus Novel Compound  
Paul Krogstad, Professor, Department of Pediatrics and Department of Molecular and Medical Pharmacology

11:10am  CARDIOVASCULAR INNOVATION  
Theme Lead: Arjun Deb, Professor, Cardiology; Molecular, Cell and Developmental Biology; Director, UCLA Cardiovascular Medicine Research Theme  
Tzung Hsiai, Professor of Medicine and Bioengineering; Program Director, NIH Caltech/UCLA Cardiovascular Engineering Training Program; Cady Maud Guthman Endowed Term Chair in Cardiology  
Ali Nsair, Director, Heart Transplantation and Mechanical Circulatory Support Program  
Jake Lusis, Professor, Medicine, Human Genetics, Microbiology, Immunology & Molecular Genetics  
Thomas Vallim, Associate Professor, Departments of Medicine/Cardiology and Biological Chemistry; Director, Gene Regulation, Epigenomics and Transcriptomics (GREAT) Home Area  
Elizabeth Tarling, Associate Professor, Cardiology  
Thomas Vondriska, Professor of Anesthesiology, Medicine and Physiology; Vice Chair for Research and Director of Division of Molecular Medicine, Anesthesiology  
René Packard, Assistant Professor, Medicine and Physiology

PANEL DISCUSSION  
Arjun Deb, Tzung Hsiai, Jake Lusis, Ali Nsair, Rene Packard, Elizabeth Tarling, Thomas Vallim and Thomas Vondriska

12:45pm  LUNCH/NETWORKING

1:45pm  CANCER: IMMUNO-ONCOLOGY  
Theme Lead: Michael Teitell, Professor, Departments of Pathology and Laboratory Medicine; Latta Endowed Chair in Pathology; Director, UCLA Jonsson Comprehensive Cancer Center; President, UCLA Jonsson Cancer Center Foundation  
Overview of the UCLA Jonsson Comprehensive Cancer Center, Commercial Activities and Past Successes  
Michael Teitell  
Company Creation as Integral Part of Academic Research  
Antoni Ribas, Professor, Medicine, Surgery & Molecular and Medical Pharmacology; Director of the Tumor Immunology Research Program; UCLA Jonsson Comprehensive Cancer Center; Director of the Parker Institute for Cancer Immunotherapy at UCLA  
Stem Cell-Engineered Off-The-Shelf iNKT Cells for Cancer Immunotherapy  
Lili Yang, Associate Professor, Microbiology, Immunology & Molecular Genetics; Member, Tumor Immunology Research Program; UCLA Jonsson Comprehensive Cancer Center; Member, Eli & Edythe Broad Center for Regenerative Medicine & Stem Cell Research  
Current Progress, Emerging Opportunities, and Challenges in Immuno-Oncology and Immunotherapy  
Moderator: Gay Crooks, Professor and Rebecca Smith Endowed Chair, Department of Pathology and Laboratory Medicine; Director, UCLA Jonsson Comprehensive Cancer Center and Stem Cell Biology Program Area; Co-Director, Eli & Edythe Broad Center for Regenerative Medicine & Stem Cell Research  
Panelists:  
Theodore Nowicki, Clinical Instructor, Pediatrics, Hematology/Oncology; Member, Tumor Immunology Research Program, UCLA Jonsson Comprehensive Cancer Center  
Cristina Puig-Saus, Assistant Professor, Medicine, Hematology/Oncology; Member, Tumor Immunology Research Program, UCLA Jonsson Comprehensive Cancer Center  
Caius Radu, Professor, Molecular & Medical Pharmacology; Co-Director, Cancer Molecular Imaging, Nanotechnology and Theranostics Research Program, UCLA Jonsson Comprehensive Cancer Center; Member, Ahmanson Translational Imaging Division  
Antoni Ribas, Professor, Medicine; Surgery; Molecular and Medical Pharmacology; Director, Tumor Immunology Program, UCLA Jonsson Comprehensive Cancer Center; Chair, Melanoma Committee, SWOG  
Lili Yang, Associate Professor, Microbiology, Immunology and Molecular Genetics; Member, UCLA Jonsson Comprehensive Cancer Center  
Closing Remarks: Gay Crooks

Continued
3:00pm BREAK/NETWORKING

3:30pm REGENERATIVE MEDICINE

Scientists in the Regenerative Medicine Theme session will highlight successes in translating basic stem cell biology into therapeutics, either directly as cellular therapies or indirectly using stem cell-based models of disease for drug screening.

Theme Lead: Thomas Rando, Director, Eli and Edythe Broad Center of Regenerative Medicine and Stem Cell Research
April Pyle, Professor and Vice Chair, Department of Microbiology, Immunology and Molecular Genetics
Arjun Deb, Professor, Cardiology; Molecular, Cell and Developmental Biology; Director, UCLA Cardiovascular Medicine Research Theme
Bill Lowry, Associate Director of Education and Technology Transfer, UCLA Broad Stem Cell Research Center; Professor, Molecular, Cell and Developmental Biology
Lili Yang, Associate Professor, Microbiology, Immunology & Molecular Genetics
Brigitte Comperts, Associate Director, Translational Research, UCLA Broad Stem Cell Research Center; Professor, Pediatrics; Pulmonary Medicine

All times are Pacific Time. All times and speakers subject to change.