

AGENDA

📍 Legacy, 2nd Floor

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

ROUNDTABLE DISCUSSION

S. Thomas Carmichael, Chair and Professor, Department of Neurology

Nelson Freimer, Professor, Department of Psychiatry and Semel Institute

Baljit Khakh, Professor of Physiology

S. Lawrence Zipursky, Professor, Biological Chemistry

12:45pm LUNCH/NETWORKING

1:50pm INTRODUCTION TO HETSS - HEALTH EQUITY TRANSLATIONAL SOCIAL SCIENCE

The newest UCLA Research Theme introduces their work.

Theme Leads:

Rochelle Dicker, Vice Chair for Critical Care and the Co-Chair, HETSS

Helena Hansen, Professor and Co-Chair, HETSS

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

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

Continued

AGENDA

📍 Optimist, 2nd Floor

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 Lusic, 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 Lusic, 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 Research 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

UCLA RESEARCH THEME SHOWCASE B CONTINUED

3:15pm 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 Gomperts, Associate Director, Translational Research, UCLA Broad Stem Cell Research Center; Professor, Pediatrics; Pulmonary Medicine