



Oklahoma Center for Adult Stem Cell Research

OCASCR Distinguished Speaker Series

The bold titles are recorded.

FY25

- Lymphatic function in skull-brain communication and craniofacial disorders
Jian-Fu Chen, Ph.D.
University of Southern California
Los Angeles, CA
- Repairing the post-MI heart in large animal models with human iPSC-derived cardiac cells
Timothy J. Kamp, MD, Ph.D.
University of Wisconsin
Madison, Wisconsin
- **Cellular plasticity masquerading as stem cell biology in the liver**
Ben Z. Stanger, MD, Ph.D.
University of Pennsylvania
Philadelphia, PA

FY24

- Nutrient sensing and central regulation of metabolism
Sabrina Diano, Ph.D.
Columbia University
New York City, New York
- Human cardiac metabolism in health and heart failure
Zoltan Pierre Arany, MD, Ph.D.
University of Pennsylvania
Philadelphia, Pennsylvania
- Building synthetic kidney models from stem cells for organ transplantation and drug discovery
Zhongwei Li, Ph.D.
University of Southern California
Los Angeles, California
- The lymphatic system in health and disease
Timothy P. Padera, Ph.D.
Harvard Medical School
Boston, Massachusetts

FY23

- **Evolving Landscape of Drug Therapy in Sickle Cell Disease**
Kenneth I. Ataga, MD
University of Tennessee
Memphis, Tennessee
- Regenerating and Rejuvenating Aged Muscles by Targeting a Gerozyme
Helen M. Blau, Ph.D.
Stanford University
Stanford, California
- **Genetics of Thrombosis: From Mice to Humans to Synthetic Proteins**
David Ginsburg, MD

University of Michigan
Ann Arbor, Michigan

FY22

- Microbiome Interactions with the Nervous System in Health and Disease
Elain Y. Hsiao, Ph.D.
University of California, Los Angeles
Los Angeles, California
- Exploring the Organ-specific Vascular Heterogeneity
Gou Young Koh, Ph.D.
Institute for Basic Science
Daejeon, South Korea

FY21

- Regulation of Cell Turnover During Epithelial Tissue Homeostasis and Pathogenesis
George Eisenhoffer, Ph.D.
MD Anderson Cancer Center
Houston, Texas
- Flow Dependent Endothelial Cell (Dys)Function
Guillermo García-Cardena, Ph.D.
Harvard Medical School
Boston, Massachusetts

FY20

- Age-related Stem cell Dysfunction in Barrier Epithelia- Strategies for Intervention
Heinrich Jasper, Ph.D.
Genentech Inc.
San Francisco, California
- Proteostatic control of quiescence exit in mammalian neural stem cells
Darcie Moore, Ph.D.
University of Wisconsin-Madison
Madison, Wisconsin

FY19

- Mechanobiological regulation of normal and tumor stem cells
Sanjay Kumar, MD, Ph.D.
University of California
Berkeley, California
- Skeletal Stem Cells
Michael Longaker, MD, MBA, D.Sc.(Hon). FACS
Stanford University
Stanford, California
- Adult Stem Cells, Matrix Scaffolds and Bioreactors for Cardiac Valve Tissue Regeneration
Dan Simionescu, Ph.D.
Clemson University
Clemson, South Carolina

FY18

- Small Blood Vessels- Big Secrets
Christer Betsholtz, Ph.D.
Stockholm, Sweden
- Engineering New Biologic Therapies for Arthritis
Farshid Guilak, Ph.D.
Washington University

St. Louis, MO

- [Mechanisms of Successful Spinal Cord Regeneration: Lessons from the Lamprey](#)

Jennifer Morgan, Ph.D.

Marine Biological Laboratory

Woods Hole, MA

- The Origin of New Cells in the Liver

Roel Nusse, Ph.D.

Stanford University

Stanford, CA

FY17

- Stem Cells in Silence, Action and Cancer
Elaine Fuchs, Ph.D.
The Rockefeller University
New York, New York
- CSF-1 receptor signaling and biology and their relevance to neoplastic, inflammatory and neurodegenerative diseases
Richard Stanley, Ph.D.
Albert Einstein College of Medicine
New York, New York

FY16

- Engineering Adult Stem Cell Microenvironments for Tissue Repair
Jason Burdick, Ph.D.
University of Pennsylvania
Philadelphia, Pennsylvania
- [Skeletal Stem Cells: History, Origins and Function](#)
Pamela Gehron Robey, Ph.D.
National Institutes of Health
Bethesda, Maryland

FY15

- Stem Cells and Nanotechnology for Neurological Therapeutics
John A. Kessler, M.D.
Feinberg Neuroscience Institute
Northwestern University Feinberg School of Medicine Stem Cell Institute
Chicago, Illinois
- Personalized Medicine in Cystic Fibrosis
Anjaparavanda P. Naren, Ph.D.
Cincinnati Children's Hospital Medical Center
Cincinnati, Ohio
- Dissecting Developmental Trajectories with Single-Cell Transcriptional Profiling
Craig E. Nelson, Ph.D.
University of Connecticut
Storrs, Connecticut
- Fate Mapping of Hematopoietic Stem Cell Activity In Vivo
Hans-Reimer Rodewald, Ph.D.
German Cancer Research Center
Heidelberg, Germany
- Deconstructing the Face, One Phosphate at a Time.
Phillipe Soriano, Ph.D.
Icahn School of Medicine at Mount Sinai
New York City, New York

- ITIM- Receptor's Surprising Roles in Hematopoietic and Leukemia Stem Cells
Chengchen (Alec) Zhang, Ph.D.
University of Texas Southwestern
Dallas, Texas

FY14

- Stem Cells in the Fight Against Alzheimer's Disease
Lawrence S.B. Goldstein, Ph.D.
University of California
San Diego, California
- [Mesenchymal Stromal \(Stem\) Cells: Biology and Potential Therapeutic Value for the Acute Respiratory Distress Syndrome](#)
Michael Matthay, MD
University of California
San Francisco, California
- Generation and Repair of Nephrons
Andrew P. McMahon, Ph.D.
University of Southern California
Los Angeles, California
- [Niche Oncogenesis](#)
David T. Scadden, MD
Harvard University
Cambridge, Massachusetts

FY13

- Transcriptional Heterogeneity and Stem Cell Therapeutics
Geoffrey C. Gurtner, MD
Stanford University of Medicine
Palo Alto, California
- Lung Stem Cells and Homeostasis and Repair
Brigid L. M. Hogan, Ph.D., FRS
Duke University
Durham, North Carolina
- Strategies for Extramural Funding
Michael Nunn, Ph.D.
Salk Institute for Biological Studies
La Jolla, California
- Stem Cells: Niche, Competition Aging and Potential Application
Ting Xie, Ph.D.
Stowers Institute for Medical Research
Kansas City, Missouri

FY12

- Development of stem cell therapy for the treatment of retinal degeneration.
Robin Ali, PhD, FMedSci
The Biomedical Research Centre for Ophthalmology
London, England
- Toward unification of the Cancer Stem Cell and Clonal Evolution Models of Cancer
John E. Dick, Ph.D.
Ontario Cancer Institute Toronto
Ontario, Canada

- Hematopoietic Stem Cell Microenvironment
Paul S. Frenette, M.D.
Ruth L. And David S. Gottesman Institute for Stem Cell Regenerative
Medicine Research
Albert Einstein College of Medicine
Bronx, New York
- Isolating and Defining Cells to Engineer Human Vessels for Vascular Repair
Mervin C. Yoder, M.D.
Herman B Wells Center for Pediatric Research
Indianapolis, Indiana

FY11

- Adult Stem Cell Research Workshop
Jeffrey Gimble, M.D., Ph.D.
Pennington Biomedical Research Center
Baton Rouge, Louisiana
- Stem Cells and Nanotechnology for Neurological Therapeutics
John A. Kessler, M.D.
Feinberg Neuroscience Institute
Northwestern University Feinberg School of Medicine Stem Cell Institute
Chicago, Illinois
- Autologous CD34 Cell Therapy for Myocardial and Lower Extremity Ischemia
Douglas W. Losordo, MD
Feinberg Cardiovascular Research Institute
Northwestern University's Feinberg School of Medicine
Chicago, Illinois
- Non-myelinating Schwann cells in the mouse bone marrow niche maintain hematopoietic stem
cell hibernation through TGF- β signaling
Hiromitsu Nakauchi, MD
Division of Stem Cell Therapy,
Center for Stem Cell Biology and Medicine,
Institute of Medical Science,
University of Tokyo, Japan.
Japan Science and Technology Agency (JST), ERATO
Nakauchi Stem Cell and Organ Regeneration Project
- Prostate Tissue Stem Cells and Prostate Cancer
Owen Witte, MD
Howard Hughes Medical Institute
UCLA
Los Angeles, California