GENETICS, BIOINFORMATICS, AND SYSTEMS BIOLOGY COLLOQUIUM

THURSDAY MAY 19
12:00 PM PST
LIVE ON ZOOM!

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DEEPAK SRIVASTAVA, M.D.
GLADSTONE INSTITUTE, UC SAN FRANSISCO

ENGINEERING CELL FATE FOR HUMAN DISEASE: LESSONS FROM CARDIAC EMBRYOGENESIS

Deepak Srivastava, M.D., is the Baker Institute Nonresident Scholar for Biomedical Research Policy. He is the Younger Family Director and senior investigator at the Gladstone Institute of Cardiovascular Disease, as well as director of Gladstone's Roddenberry Stem Cell Center. At the University of California, San Francisco (UCSF), he is a professor in the Departments of Pediatrics as well as Biochemistry and Biophysics, and is the Wilma and Adeline Pirag Distinguished Professor in Pediatric Developmental Cardiology. Srivastava's laboratory used genetics to demonstrate that a decrease in dosage of some cardiac developmental regulators can cause cardiac septal defects and valve disease, and is now using induced pluripotent stem cells to discover the mechanisms of disease. His team reprogrammed nonmuscle cells in a mouse heart to function like heart muscle cells, effectively regenerating heart muscle after damage. Additionally, Srivastava co-founded iPierian and Tenaya Therapeutics to help find new cures for human diseases. Before joining Gladstone, Srivastava was a professor in the Department of Pediatrics and Molecular Biology at The University of Texas Southwestern (UTSW) Medical Center in Dallas. He has been named an endowed chair at both UTSW and UCSF, and has been elected to the American Society for Clinical Investigation, the American Academy of Arts and Sciences, and the American Association for the Advancement of Science. Srivastava completed his undergraduate degree at Rice University, medical training at The University of Texas Medical Branch in Galveston and his residency in the Department of Pediatrics at UCSF. He also did a fellowship in pediatric cardiology and postdoctoral fellowship at Boston Children's Hospital of Harvard Medical School.

Organization Committee: J. Gleeson, J. Sebat
GBSBC Seminar Coordinator: R. White

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@ 12PM PST
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MARCH 31	HEATHER MEFFORD | ST. JUDE
APRIL 7	FENGHZHU SUN | USC
APRIL 14	MARKUS BASAN | HARVARD
APRIL 21	EMMA LUNDBERG | STANFORD
MAY 5	KIMBERLY STEGMAIER | HARVARD
MAY 12	STEIN AERTS | KULEUVEN
MAY 19	DEEPAK SRIVASTAVA | GLADSTONE INSTITUTE
MAY 26	JOHN MARIONI | EMBL
JUNE 2	ZIGA AVSEC | DEEP MIND
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