

# GENETICS, BIOINFORMATICS, AND SYSTEMS BIOLOGY COLLOQUIUM



**DEEPAK SRIVASTAVA, M.D.**  
**GLADSTONE INSTITUTE, UC SAN FRANCISCO**

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

**CLICK HERE**

**PASSWORD: IGM**

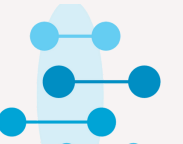


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## ENGINEERING CELL FATE FOR HUMAN DISEASE: LESSONS FROM CARDIAC EMBRYOGENESIS

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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Thursdays  
@ 12PM PST  
Live on Zoom!

## SPRING 2022

- |          |   |
|----------|---|
| MARCH 24 | DAVID GOLDSTEIN   ACTIO BIOSCIENCES     |
| MARCH 31 | HEATHER MEFFORD   ST. JUDE              |
| APRIL 7  | FENGZHU 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                  |
| JUNE 9   | HONGBO CHI   ST. JUDE                   |

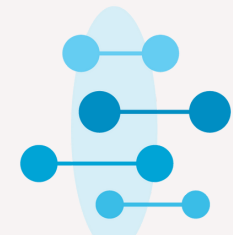
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