Stanford

Thulaj Dattatraya Meharwade

Postdoctoral Scholar, Cardiovascular Institute

Bio

BIO

Dr. Thulaj Meharwade is a postdoctoral fellow at the Stanford Cardiovascular Institute with research interests in Inflammaging, disease modeling, cellular heterogeneity and drug discovery. Dr. Meharwade received his PhD in Biochemistry from the University of Montreal, after conducting thesis work on signalling and transcriptional mechanisms regulating cell fate heterogeneity and totipotent stem cells.

HONORS AND AWARDS

- “Public Service Award” for contributions made through Early Career Advisory Committee (ECAC), ISSCR (2025)
- “Bourse De Fin D'études Doctorales”, Canada., University of Montreal (2023)
- “GSCN Travel Award”, Germany., German Stem Cell Network, sponsored by Bio-Techne (2023)
- “IUBMB Travel Award”, USA., International Union of Biochemistry and Molecular Biology (2023)
- “Stem Cell Network Travel Award”, Canada., Till & McCulloch Meetings (2023)
- “Bourse De Rayonnement Scientifique Travel Award”, Canada., University of Montreal (2022)
- “Emmanuel Triassi Scholarship”, Canada., Montreal Clinical Reserch Institute (2021)
- “Hommage Jacques Gauthier Scholarship”, Canada., Montreal Clinical Research Institute (2020)
- “FESP-International Tuition Fees Exemption Scholarship”, Canada., University of Montreal (2019)
- “FESP-Scholarship of Excellence”, Canada., University of Montreal (2019)
- “GATE-Life Science”, India., Ministry of Human Resources and Development (2016)
- “TNSET”, lifetime eligibility to join as an Assistant Professor in Tamil Nadu, India., Annamalai University (2016)
- “Somayajula Surya Prakash Rao Memorial Scholarship”, India., Loyola College (2012)
- “Loyola Empowerment and Reach-out Network”, India., Loyola College (2011)

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Generation of two induced pluripotent stem cell lines from female patients harboring MYH7 mutations with hypertrophic cardiomyopathy.** *Stem cell research*
  Meharwade, T., Weiss, M. C., Ahmed, A. H., Xu, L., Parikh, V. N., Ashley, E. A., Wu, J. C.
  2026; 94: 103979

- **Cross-activation of FGF, NODAL, and WNT pathways constrains BMP-signaling-mediated induction of the totipotent state in mouse embryonic stem cells** *CELL REPORTS*
  Meharwade, T., Joumier, L., Parisotto, M., Huynh, V., da Rocha, E., Malleshaiah, M.
  2023; 42 (5): 112438

- **Single-cell mass cytometry analysis reveals stem cell heterogeneity.** *Methods (San Diego, Calif.)*
  Meharwade, T., Joumier, L., Parisotto, M., Malleshaiah, M.
  2022; 208: 9-18

- **The NAMPT Inhibitor FK866 Increases Metformin Sensitivity in Pancreatic Cancer Cells** *CANCERS*
  Parisotto, M., Vuong-Robillard, N., Kalegari, P., Meharwade, T., Joumier, L., Igelmann, S., Bourdeau, V., Rowell, M., Pollak, M., Malleshaiah, M., Schmitzer, A., Ferbeyre, G.
  2022; 14 (22)