

Postdoctoral position (Liver Regeneration) at Mount Sinai and University Health Network, Toronto

A joint Postdoctoral Fellow position is available in Drs. Jeff Wrana and Mamatha Bhat's laboratory at Mount Sinai and University Health Network, Toronto.

Mamatha Bhat, MD, PhD, FRCPC is a Hepatologist and Clinician-Scientist within the Multi Organ Transplant Program at the University Health Network. Her research program employs a bench-to-bedside paradigm that connects clinical outcomes in liver transplantation with basic research using tools from systems biology, including bioinformatic analysis of 'omic datasets and in vitro/in vivo validation.

Jeff Wrana, PhD, FRSC is a Senior Investigator at the Lunenfeld-Tannenbaum Research Institute at Sinai Health Systems, and Professor of Molecular Genetics at the University of Toronto. His research interests lie in understanding cell fate choice in development, tissue regeneration and cancer with a focus on morphogen signalling networks. His work uncovered the TGF β -Smad signalling pathway, its integration with Hippo and WNT pathways, and more recently the development and application of single cell biology tools to define how tissue regeneration is linked to cancer. He has won numerous awards for his work, most recently a QEII medal from the Prime Minister of Canada, and the McLaughlin Medal from the Royal Society of Canada.

The position will involve a specific collaborative project to examine the role of revival stem cells in liver regeneration, using mouse models and examination of patient samples.

RESPONSIBILITIES

- Perform wet lab experiments and data analysis
- Design and perform animal studies using single cell biology and genetic tools
- Assist in writing grant proposals and peer reviewed papers.
- Analysis and review of previous data obtained in the lab pertinent to the projects

REQUIREMENTS

- Ph.D. degree with extensive wet lab experience
- Excellent knowledge and experience in molecular biology
- Previous experience in animal studies is preferable
- Advanced knowledge in bioinformatics tools and analysis
- Excellent communication skills (verbal and written) and ability to communicate and work effectively in a team as well as independently with all levels of the organization

We will consider highly motivated and creative candidates with a recently obtained Ph.D. degree. For those interested, please send a CV, three letters of recommendation, and a research statement (**wrana@lunenfeld.ca, mamatha.bhat@uhn.ca**).