POSTDOCTORAL POSITION – Cell Therapy and Translational immunology  
Krembil Research Institute, Toronto Western Hospital

Position
Senior Postdoctoral Fellow

Supervisor
Dr. Sowmya Viswanathan

Location
Krembil Research Institute, Toronto Western Hospital, University Health Network
Toronto, ON, Canada

Description
A Senior Postdoctoral Research Fellow is required to investigate cell therapy applications with focus on Osteoarthritis. Specifically, the Postdoctoral Fellow will be involved in evaluating the basic immunobiology of human monocytes/macrophages and mesenchymal stromal cells (MSCs) in vitro and in vivo. Experiments may also be related to investigating leukocyte phenotypes and cytokine profiles in a future Phase II clinical trial. The candidate will be supervised by Dr. Sowmya Viswanathan, who is a translational scientist, leading Canada’s first cell therapy trial in Osteoarthritis. She has been involved in translating over 10 cell and gene therapy research projects into the clinic. Candidates should have strong research background in immunology and human cell culture experience. Molecular biology skills are also desired. This position is a great opportunity for a talented scientist to have the opportunity to be involved in ground breaking cell therapy clinical trials, immunomodulation, creation of new cell therapies and working closely with orthopedic surgeons to handle patient samples and develop new approaches to treat diseases. The lab also has an interest in working with the orthopedic surgeons to develop novel cellular biomarkers.

Qualifications
- Ph.D in a related field with extensive experience in cell therapy or general immunology
- Expertise in immune cell functional assays: T cell proliferation, immunophenotyping (flow cytometry), multiplex assays/ELISAs, RT-PCR, molecular biology
- Hands-on expertise in primary human cell culture and isolation.
- Knowledge of MSCs and animal models would be an asset.
- Background in macrophage immunology and osteoarthritis are definite assets.
- Statistical knowledge is an asset
Position is available until filled. Interested individuals should forward their curriculum vitae to:

Dr. Sowmya Viswanathan  
Assistant Professor, Institute of Biomaterials and Biomedical Engineering, University of Toronto  
Affiliate Scientist, Krembil Research Institute, Toronto Western Hospital, University Health Network  
Cell Therapy Program, University Health Network  
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