

## **POSTDOCTORAL POSITION – MESENCHYMAL STROMAL CELLS; STEM CELL BIOLOGY/IMMUNOLOGY/OSTEOARTHRITIS**

**Krembil Research Institute, Toronto Western Hospital**

### **Position**

Postdoctoral Fellow

### **Supervisor**

Dr. Sowmya Viswanathan

### **Location**

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

### **Description**

A Postdoctoral Research Fellow is required to investigate the potential therapeutic role of mesenchymal stromal cells (MSCs) and/or monocytes/macrophages primarily in the context of Osteoarthritis. The Postdoctoral Fellow will be involved in evaluating the basic immunobiology of MSCs and/or monocytes/macrophages in vitro, and in appropriate animal models. Experiments may also involve tracking cell fate in vivo and assessing functionality of the cells in terms of their anti-inflammatory and immunomodulatory properties. The candidate will be supervised by Dr. Sowmya Viswanathan, who is a translational scientist, leading a number of cell-based clinical initiatives, including OA. Candidates should have strong research background in immunology and/or osteoarthritis and/or stem cell biology. Candidates should also have a strong background in small animal surgery. The translational work is expected to form the basis for a clinical evaluation of these cells in the near future.

### **Qualifications**

Ph.D in a related field or MD degree with extensive experience in primary cell culture and isolation, molecular biology, and animal models is required. Experience in small animal surgery is a definite asset. Knowledge of MSCs and/or other stem cell biology would be an asset. Background in hematology or immunology (macrophage related preferred) and osteoarthritis is a definite asset.

Position is available immediately. Interested individuals should forward their curriculum vitae and three letters of reference 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

Toronto, ON, Canada

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