

POSTDOCTORAL POSITION – INDUCED PLURIPOTENT STEM CELLS/MESENCHYMAL STROMAL CELLS; STEM CELL BIOLOGY/IMMUNOLOGY

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 induced pluripotent stem cell-derived mesenchymal stromal cells (MSCs) in the context of Osteoarthritis. The Postdoctoral Fellow will be involved in differentiating MSCs to iPSC and evaluating the immunomodulatory and anti-inflammatory properties of MSCs in in vitro, explant and in vivo models of osteoarthritis. Experience with MSC cell culture will be an asset. Experience with animal models will be an asset. Experience with scale up and growing cells in a bioreactor will be an asset.

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 and iPSC cell culturing experience is essential. 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. Knowledge of iPSCs is essential. 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

Affiliate Scientist, Krembil Research Institute, Toronto Western Hospital, University Health Network

Assistant Professor, Institute of Biomaterials and Biomedical Engineering, Division of Hematology, Department of Medicine, University of Toronto

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