Manitoba Neuroscience Network Seminar Series

Friday, May 30, 2014 | 9:00 AM

Dr. Eftekhar Eftekharpour

Assistant Professor, Regenerative Medicine Program
Spinal Cord Research Centre
Department of Physiology
University of Manitoba

Topic: Manipulation of Redox Regulation for Neurotrauma Repair.

Location: PX236/238 Psych Health Bldg.

Research in Neuroprotection:

My laboratory is interested in understanding the cellular and molecular events after Neurotrauma . Our overall aim is to find clinically relevant neuroprotective approaches to decrease the extent of cell death and to enhance cell survival after injury/stroke. Increasing evidence indicate that limiting the extent of cell death will result in improved tissue repair and functional recovery for patients. Despite extensive research in this field, there is currently no effective treatment available. In our laboratory, we focus on the oxidative stress as a major underlying mechanism in injury and stroke pathophysiology. We aim to:

1) use antioxidant therapy to enhance neural cell survival immediately after injury.
2) enhance cell preservation and regeneration for enhancement of repair.

Short Biosketch:

Eftekhar received his BSc and MSc from Tehran University, Iran. He moved to Canada in 1996 to study Neuroscience at the Department of Anatomy and Cell Biology University of Saskatchewan. After graduating in 2001, he moved to Toronto Western Hospital Research Institute for a postdoctoral training in Spinal Cord Injury in the Laboratory of Dr. Michael Fehlings. His work focused on understanding the cellular and molecular systems involved in spinal cord injury and repair with special interests in stem cell therapy. His work has been published in the leading journals of the field including the Journal of Neuroscience. After completion of post-doctoral training, he worked as a staff scientist at the University Health Network Spinal Cdrd Injury Group in Toronto until 2010, when he moved to the Spinal Cord Research Centre at the University of Manitoba. Eftekhar has established his laboratory in 2012 and his research focuses on neuroprotection strategies for treatment of neurotrauma.

For more information, contact the MNN Office at
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Clinical Neuroscience Rounds

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