

Tentative Outline

Special Thematic Issue for the journal *Current Neuropharmacology*

Title:

Pathogenesis of neurotrauma and novel neuroprotective treatments.

Guest Editor: Jacek M. Kwiecien

• **Scope of the Thematic Issue:**

- Novel, integrated understanding of pathogenesis of neurotrauma arising from a detailed systematic study on a spinal cord injury model. Central issue of severe, destructive, very protracted inflammation and anti-inflammatory mechanisms mounted by the CNS. JMK.
- Sustained subdural infusion of anti-inflammatory compounds inhibits macrophage infiltration in the cavity of injury and offers neuroprotection. JMK.
- Immunomodulatory proteins derived from Myxoma virus, Serp-1 and M-T7. ARL.
- Intensive therapy of neurotrauma patients. WD.
- Imaging of neurotrauma and post-traumatic edema. JPK.

- **Keywords:** Spinal cord injury, Inflammatory phase in neurotrauma, macrophages, Cavity of injury, Serp-1, M-T7, Cerebral edema, Neurotrauma imaging

Sub-topics:

The sub-topics to be covered within the issue should be provided:

- Pathogenesis of neurotrauma
- Inflammatory phase in neurotrauma
- Neuroprotective treatment in neurotrauma
- Intensive care management of neurotrauma patients
- Imaging of neurotrauma

Tentative titles of the articles and list of contributors:

Tentative titles of the articles and list of contributors with their names, designations, addresses and email addresses should be provided.

1. **Pathogenesis of neurotrauma indicates targets for neuroprotective therapies.** Jacek M. Kwiecien DVM, MSc, PhD, Department of Pathology and Molecular Medicine, McMaster University, 1280 Main Street West, Hamilton, ON, CANADA L8S 4K1. kwiecien@mcmaster.ca
2. **Serp-1 and M-T7 immunomodulatory proteins derived from Myxoma virus offer neuroprotection.** Alexandra R. Lucas MD, FRCP(C), Centers for Personalized Diagnostics and Immunotherapy, Vaccines and Virotherapy, Biodesign Institute, Arizona State University, 727 E. Tyler Street, Tempe, AZ, U.S.A. 85287. arlucas5@asu.edu.
3. **Management of neurotrauma patients in the intensive care ward.** Wojciech Dabrowski MD, PhD, Department of Anaesthesiology and Intensive Therapy, Medical University of Lublin, ul. Jaczewskiego 8, Lublin, POLAND 20-090. W.dabrowski5@gmail.com.
4. **Imaging of neurotrauma.** John P. Karis MD, Department of Neuroradiology, Barrow Neurological Institute, Dignity Health St. Joseph's Hospital and Medical Center, 350 West Thomas Road, Phoenix, AZ, U.S.A. 85013. jkaris@sniweb.net.
5. **Neuroprotective strategies in stroke.** Chiara Robba PhD, Anaesthesia and Intensive Care, Policlinico San Martino, Genova, Italy. kiarobba@gmail.com

6. Challenges of delirium management in neurocritically ill patients. Katarzyna Kotfis MD, PhD, DESA, Department of Anesthesiology, Intensive Therapy and Acute Intoxications, Pomeranian Medical University, Szczecin, Poland. katarzyna.kotfis@pum.edu.pl

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2. Alexandra L. Lucas
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Schedule:

- ✧ Thematic issue submission deadline:
July , 2020

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