The 1st International Neuroinflammation Congress and 1st Student Festival of Neurosience
Shefa Neuroscience Research Center, Tehran, Iran, 11-13 April, 2017
The Neuroscience Journal of Shefaye Khatam
Volume 5, No. 2, Suppl 2

Oral Presentation

Ion Channels in Autoimmune Neurodegeneration

Petra Hundehege*

University Hospital Münster, Neurology Clinic and Institute of Translational Neurology, ICB Mendelstraße 7, 48149 Münster, Germany

Published: *11 April, 2017*

Abstract

Multiple sclerosis (MS) is a chronic inflammatory disease of the central nervous system characterized by widespread inflammation, focal demyelination and a variable degree of axonal and neuronal loss. Ionic conductances regulate T cell activation as well as neuronal function and thus have been found to play a crucial role in MS pathogenesis. Since present therapeutical approaches are only partially effective so far, ion channel modulation as a future strategy was brought into focus. Here, we review the status quo concerning recent findings from ion channel research in MS and its animal model, experimental autoimmune encephalomyelitis.

Keywords: Multiple Sclerosis, Neuronal, Autoimmune

Corresponding Author: Petra Hundehege
E-mail: *Petra.Hundehege@ukmuenster.de*

[Downloaded from shefayekhatam.ir on 2026-11-28]