Bidirectional communication between the brain and the immune system

Satellite Symposium of the Research Focus Group Neuroendocrinoimmunology of the German Society for Immunology at the 5th European Congress of Immunology, Amsterdam, NL, Sept. 2, 2018

Organizers: Ulrike Gimsa (Leibniz Institute for Farm Animal Biology, Dummerstorf, D) and Eva M. J. Peters (Charité Berlin and University of Gießen, D)

Program

10:00-10:05 Welcome and introduction

10:05-10:40 Silvia Capellino, Dortmund, Germany: Involvement of the dopaminergic pathway in rheumatoid arthritis

10:40-10:55 Karolin Weber, Dortmund, Germany: Targeted modulation of neurotransmitter receptors on specific leukocyte subpopulations in rheumatic diseases

10:55-11:10 Elisa Storelli, Varese, Italy: Production of interferon-γ and tumor necrosis factor-α are increased by α-synuclein in human CD4+ T lymphocytes

11:10-11:25 Kamal Moudgil, Baltimore, MD, USA: Modulation of autoimmune arthritis via the cholinergic anti-inflammatory pathway

11:25-11:40 Coffee break

11:40-12:15 Martin Hadamitzky, Essen, Germany: Placebo effects in the immune system

12:15-12:30 Juan José Lasarte, Pamplona, Spain: Immunomodulatory properties of Carvone inhalation and its effects on contextual fear memory in mice

12:30-12:45 Ulrike Gimsa, Dummerstorf, Germany: The influence of MHC-related olfactory cues on social recognition in domestic pigs

12:45-13:15 Lunch break

13:15-13:50 Astrid Friebe, Nürnberg, Germany: Microglia-mediated immune activation in the development of depressive-like behavior

13:50-14:05 Eva Peters, Berlin & Gießen, Germany: High cytokine production by peripheral blood mononucleocytes has implications for the success of multi-modal psychotherapeutic inpatient treatment of depression

14:05-14:20 Raquel Benítez, Granada, Spain: Role of the neuropeptide cortistatin in the control of chronic fibrosis: therapeutic potential in scleroderma and liver and pulmonary fibrosis