The 1st international meeting on:

**NERVE-DRIVEN IMMUNITY:**

**NEUROTRANSMITTERS AND NEUROPEPTIDES IN THE IMMUNE SYSTEM**

Receptors, Potent Effects, Endogenous Production and Involvement in Disease

Vienna, March 9-10, 2012

Organizer: **Mia Levite**, Israel

Co-organizer: **Amos Korczyn**, Israel

**Scientific committee**

Mia Levite, Israel

Amos Korczyn, Israel

Marco Cosentino, Italy

Claudia Panuschka, Austria

The meeting is based on Springer's new book entitled:

**NERVE-DRIVEN IMMUNITY:**

**NEUROTRANSMITTERS AND NEUROPEPTIDES IN THE IMMUNE SYSTEM**

The book's webpage:

NERVE-DRIVEN IMMUNITY:
NEUROTRANSMITTERS AND NEUROPEPTIDES IN THE IMMUNE SYSTEM

The sponsors of the meeting

Prof. Marta Weinstock Rosin, Israel
Department of Pharmacology, Institute of Drug Research, Hebrew University
Medical Centre, Ein Kerem, Jerusalem, Israel. martar@ekmd.huji.ac.il

University of Insubria, Italy

(*) IT - http://www.uninsubria.it/
(*) EN - http://www.uninsubria.eu/
Tentative Scientific Program

March 9, 2011

Session 1
Chairpersons:
Sabita Roy, USA
Cris Constantinescu, UK

09:00-09:45:
Adrenergic and Noradenergic modulation of immune cells: an update
Marco Cosentino and Franca Marino, Italy

09:45-10:30:
Acetylcholine receptors and effects in the immune system
Talma Brenner and Eran Nizri, Israel

10:30-11:00 Coffee break

Session 2
Chairpersons:
Mario Delgado, Spain
Marco Cosentino, Italy

11:00-11:45:
Dopamine in the immune system: Dopamine receptors in immune cells, potent effects, endogenous production and involvement in diseases
Mia Levite, Israel

11:45-12:30
Role of the mu Opioid receptor in Opioid modulation of immune function
Sabita Roy, USA

13:00-14:00 Lunch

Session 3
Chairpersons:
Razvan Arsenescu, USA
Mia Levite, Israel

14:00-14:45:
GABA is an effective immunomodulatory molecule
Bryndis Birnir, Sweden
14:45-15:30:
Dendritic cells secrete GABA, possess GABA receptors, and are activated by GABA resulting in increased migration - A mechanism hijacked by intracellular pathogens?
*Antonio Barragan, Sweden*

**16:00-16:30 Coffee break**

**16:30-17:15:**
*TBD*

---

**March 10, 2011**

**Session 4**
Chairpersons:
*Talma Brenner, Israel*
*Mirjana Dimitrijevic, Serbia*

09:00-09:45:
The Endocannabinoid system: a revolving plate in neuro - immune interaction in health and disease
*Cris Constantinescu, UK*

09:45-10:30:
Vasoactive Intestinal Peptide (VIP): a neuropeptide with pleiotropic immune functions
*Mario Delgado, Spain*

**10:30-11:00 Coffee break**

**Session 5**
Chairpersons:
*Bryndis Birnir, Sweden*
*Cris Constantinescu, UK*

11:00-11:45:
The intriguing mission of Neuropeptide Y in the immune system
*Mirjana Dimitrijevic and Stanislava Stanojevic, Serbia*

11:45-12:30:
Substance P receptors and effects in the immune system
*Razvan Arsenescu, USA*

**13:00-14:00 Lunch**
Session 6
Chairpersons:
Stanislava Stanojevic, Serbia
Sabita Roy, USA

14:00-14:45:
Rivastigmine, a cholinesterase inhibitor, reduces intestinal inflammation by indirect activation of α7 cholinergic receptors
Helena Shifrin and Marta Weinstock

14:45-15:30:
TBD

16:00-16:30 Coffee break

Session 7
Chairpersons:
Talma Brenner, Israel
Marco Cosentino, Italy

16:30-17:20
GLUTAMATE IMMUNITY AND AUTOIMMUNITY
Topic 1: Glutamate receptors, potent effects and production in the immune system;
Topic 2: Glutamate receptor antibodies in 'Autoimmune Epilepsy' and encephalitis: presence in patients, activation of glutamate receptors, killing neurons and association with neuropsychiatric impairments in mice and human
Mia Levite, Israel

Session 8
Chairperson:
Claudia Panuschka, Austria

17:20-18:00
Concluding remarks, open discussion by the speakers and chairpersons, future plans