

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

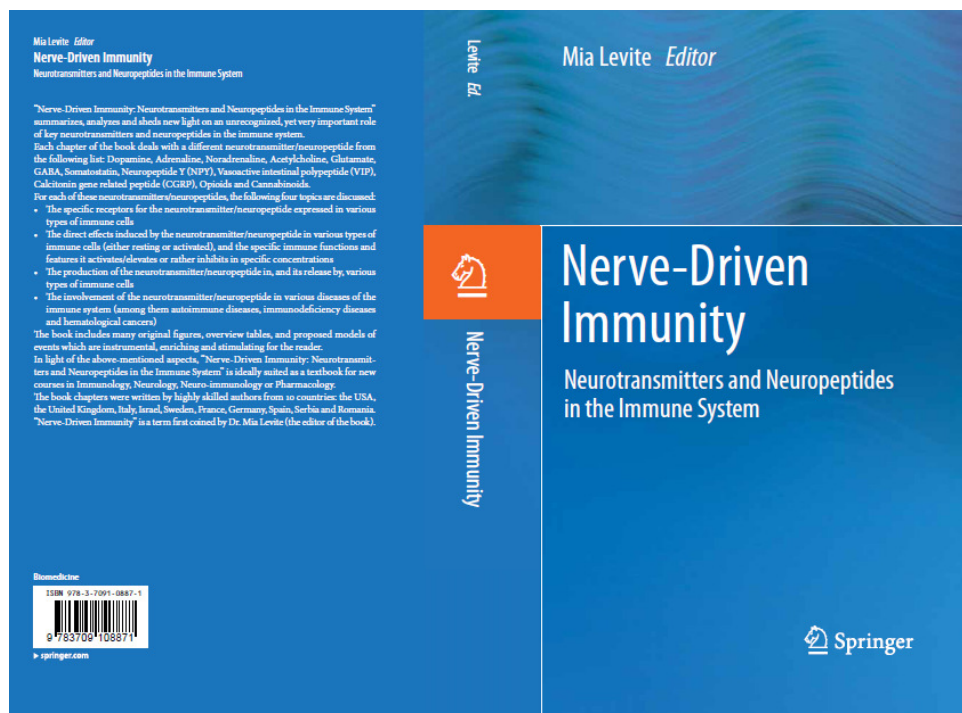
Claudia Panuschka, Austria

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

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

The book's webpage:

<http://www.springer.com/biomed/immunology/book/978-3-7091-0887-1>



**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
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האוניברסיטה העברית בירושלים
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Tentative Scientific Program

March 9, 2011

Session 1

Chairpersons:

[Sabita Roy, USA](#)

[Cris Constantinescu, UK](#)

09:00-09:45:

Adrenergic and Noradrenergic 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

Session 4

Chairpersons:

Talma Brenner, Israel

Mario Delgado, Spain

16:30-17:15:

The receptors and effects of the neuropeptides cortistatin, urocortin and adrenomedullin in the immune system, and their therapeutic applications in inflammatory, autoimmune, and infectious diseases

Elena González-Rey, Spain

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March 10, 2011

Session 5

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 6

Chairpersons:

[Bryndis Birnir, Sweden](#)

[Elena González-Rey, Spain](#)

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 7

Chairpersons:

[Stanislava Stanojevic, Serbia](#)

[Sabita Roy, USA](#)

14:00-14:45:

Rivastigmine, a cholinesterase inhibitor, reduces intestinal inflammation by indirect activation of $\alpha 7$ cholinergic receptors

[Helena Shifrin and Marta Weinstock](#)

14:45-15:30:

TBD

16:00-16:30 Coffee break

Session 8

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 9

Chairperson:

[Claudia Panuschka, Austria](#)

17:20-18:00

Concluding remarks, open discussion by the speakers and chairpersons, future plans