



# The International Society for NeuroImmunoModulation

Rio de Janeiro, 14 April, 2008

Dear colleagues,

**VII ISNIM CONGRESS**  
**24 - 27 April, 2008**  
Rio de Janeiro, Brazil

We are virtually ready to receive you all in Rio de Janeiro in a few days. Before that, let's define some practical issues.

## 1# Program and poster sessions

The final program can be seen at the end of this letter, and will be available in our website on Monday.

As regards the poster session, authors are requested to hang their posters early in the morning of Friday April 25<sup>th</sup>. In a few days, you will receive an individual message with your poster number.

For those who are graduate students the participation in the congress with a poster, can be converted in a credit that will be officially issued by the M.Sc./Ph.D. Program on Cellular and Molecular Biology of the Oswaldo Cruz Foundation. For that, graduate students are kindly requested to register in the **Discipline of Neuroimmunomodulation**, at the secretary desk, in the first day of the congress. All registered students will have their posters discussed by one or more senior scientists, and this discussion will be used for the evaluation of the corresponding student.

## 2# Health care

Several of you are concerned on the outbreak of dengue virus infection that occurs in Rio these days. According to a map released by the Health Administration of Rio de Janeiro on 11<sup>th</sup> April (two days ago), Gloria neighborhood has far less than 1 case per 100,000 inhabitants. In any case, the use of usual anti-mosquito repellent drugs can be helpful.

Lastly, we should thank you again for coming, and wish you an excellent congress and a pleasant stay in Rio.

See you very soon

Best regards

Wilson Savino, Local Organizer

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## ISNIM 2008 - FINAL PROGRAM

**Thursday 24 April 2008**

09h00	<p style="text-align: center;"><b>Student-centered workshop: General bases of immunoneuroendocrine interactions</b></p> <p><i>Chairpersons:</i> Adriana Bonomo &amp; Roberto Paes de Carvalho</p> <ol style="list-style-type: none"> <li>1. <i>Common syntaxe in the neuroendocrine and immune systems in health and disease</i> – Ana Rosa Perez</li> <li>2. <i>Interleukins and survival of neuronal cells</i> – Elizabeth Araújo</li> <li>3. <i>Modulation of the immune system by the HPA axis</i> - Eduardo Roggero</li> </ol>	<b>Registration</b>
11h00	Coffee Break	
11h30	<ol style="list-style-type: none"> <li>4. <i>Innervation of the immune system</i> – Adriana Del Rey</li> <li>5. <i>Nitric oxide at the cross-road of immunoneuroendocrine interactions</i>- Valeria Rettori</li> </ol>	
12h50	Lunch	
14h30	<ol style="list-style-type: none"> <li>6. <i>Principles of psychoneuroimmunology</i> – Luiz Carlos Sá Rocha</li> <li>7. <i>Immunoneuroendocrine interactions in nutritional imbalances</i> – Ascención Marcos</li> </ol>	
15h50	Closure	
17h00	<p><b>Opening Ceremony:</b> Wilson Savino, Hugo Besedovsky</p>	
18h00	<p>Opening Lecture - Esther Sternberg (USA)- <i>Neural Immune Interactions in Inflammatory, Autoimmune and Infectious Diseases</i> <i>Chairperson:</i> Hugo Besedovsky</p>	
19h00	<p>Round Table1: <b><i>Molecular Basis of Connecting Pathways in NIM</i></b> <i>Chairperson:</i> Agustin G. Zapata (ES) <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- Eduardo Arzt (AR)- <i>Intracellular molecular signaling specificity</i></li> <li>- Jacques Drouin (CA)- <i>The HPA axis and convergence of LIF/Stat3 and glucocorticoid pathways</i></li> <li>- Alfred Sholl Franco (BR))- <i>Distinct intracellular signaling pathways are related to interleukin-4 effects on proliferation and differentiation of retinal cells</i></li> </ul>	
20h30	<b>Welcome drink</b>	

## Friday 25 april 2008

09h00	<p>Round Table2: <b>Genetically-engineered models for NIM studies</b>  <i>Chairperson:</i> Adriana del Rey (GE)  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- Damian Refojo (GE)- <i>Receptor signals and physiology in HPA-related mutant mice models</i></li> <li>- Agustin Zapata (ES) - <i>Organising the thymus gland: the role of Eph and ephrins</i></li> <li>- Rodolfo Goya (AR) - <i>Thymulin gene therapy in animal models of thymus deficiency</i></li> <li>- Annemieke Kavelaars (NL) - <i>Neuromolecular mechanisms of inflammatory pain</i></li> </ul>
11h00	Coffee Break
11h30	<p>Round Table3: <b>Cytokines/Chemokines regulating nervous/endocrine tissues</b>  <i>Chairperson:</i> Mireille Dardenne (FR) &amp; Judith Szelenyi (HU)  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- Ulrich Renner (GE) - <i>Intrapituitary expression and regulation of the gp130 cytokine IL-6 and its implication in pituitary physiology and pathophysiology</i></li> <li>- Ricardo B. Maccioni (CL) - <i>The damage signals hypothesis of Alzheimer's disease</i></li> <li>- Sylvian Bauer (FR) - <i>Cytokine control of adult neural stem cells: chronic versus acute exposure</i></li> <li>- Toshihiko Katafuchi (JP) - <i>Cytokine-induced suppression of medial preoptic neurons: its mechanisms and neuroimmunomodulatory effects</i></li> </ul>
13h30	Lunch
16h00	<p>Mini conferences: <b>NIM by steroid hormones</b>  <i>Chairperson:</i> Ricardo B. Maccioni (CL)  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- Vivian Rumjanek (BR) - <i>Modulation of mononuclear cells (monocytes, dendritic cells, macrophages and T lymphocytes) by ouabain</i></li> <li>- Cobi J. Heijnen (NL) - <i>Life long effects of neonatal Dexamethasone on behavior, cardio-vascular, neuro-endocrine and immune function</i></li> </ul>
17h00	Coffee Break
17h30	<p>Mini conferences: <b>Behaviour effects on NIM</b>  <i>Chairperson:</i> C. Jane Welsh (USA)  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- João Palermo Neto (BR)- <i>Behavior: a relevant tool for brain-immune interaction studies</i></li> <li>- Regina Markus (BR) - <i>Stress and the Imune-Pineal Axis</i></li> </ul>
20h30	Poster Session

## Saturday 26 April 2008

09h00	<p>Round Table 4: <b><i>NIM inflammation and Metabolism</i></b>  <i>Chairperson: Eduardo Arzt</i>  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- Flávia Saravia (AR)- <i>Neuronal plasticity and antidepressants in the diabetic brain</i></li> <li>- Itzvan Berczi (CA) - <i>Neuroimmune Regulation during Acute Illness and Healing</i></li> <li>- Judith Szelenyi (HU) - <i>Sympathetic Regulation of Inflammatory Mediator Production: Possible Pathways</i></li> <li>- Luiz Vicente Rizzo (BR) - <i>Leptin influences antibody responses in patients with Common Variable Immunodeficiency</i></li> </ul>
11h00	Coffee Break
11h30	<p>Mimi-conferences: <b><i>NIM in Aging</i></b>  <i>Chairperson: Viviam Rumjanek (BR)</i>  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- Monica de la Fuente/ Lydia Giménez-Llort (ES) - <i>Role of the immune system and the neuroimmunomodulation in the aging process</i></li> <li>- Moisés Bauer (BR) - <i>Immunomodulatory role of stress factors during strictly healthy aging</i></li> </ul>
12h30	Lunch
15h00	<p>Round Table 5: <b><i>When Youth meets NIM</i></b>  <i>Chairpersons: Adriana Bonomo &amp; Suse Dayse Silva Barbosa</i>  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- J. Druker (GE): <i>RSUME regulates NFkB/inflammatory pathways.</i></li> <li>- M. Calafat (AR) - <i>TNF-ALFA induced apoptosis of acini in NOD submandibular glands: modulation by VIP.</i></li> <li>- D.A. Mendes-da-Cruz (FR/BR) - <i>Expression and role of neuropilin-2 and semaphorin-3F in the human thymus.</i></li> <li>- U. Gimsa (GE) – <i>Behaviour and stress reactivity in conplastic mouse strains.</i></li> <li>- Z. Helyes (HU) - <i>Role of the somatostatin receptor subtype 4 (SST4) in endotoxin-induced airway inflammation in vivo.</i></li> <li>- M.C. Marcondes (USA) – <i>CD4 deficits and disease course acceleration can be driven by a collapse of the CD8 response in SIV.</i></li> <li>- M.C. Vilela (BR) – <i>Effect of MET-Rantes on leukocyte endothelium interactions in an experimental model of encephalitis.</i></li> <li>- A.H. Marques (USA) – <i>Cytokines and neuropeptides are detectable in sweat in women with major depressive disorder and healthy controls.</i></li> <li>-</li> </ul>
17h00	Coffee Break
17h30	<p>Round Table 6: <b><i>Stress, autoimmunity and neurodegenerative disease</i></b>  <i>Chairperson: Julio Licinio (USA)</i>  <i>Speakers:</i></p> <ul style="list-style-type: none"> <li>- George Maestroni (SW)- <i>Is the sympathetic nervous system involved in the decision making mechanisms choosing between immunity and tolerance?</i></li> <li>- Luiz Barbeito (UY)- <i>Posttranslation modifications of neurotrophins in inflammation</i></li> <li>- C. Jane Welsh (USA) - <i>Neuroimmune interactions in a model of multiple sclerosis.</i></li> </ul>
19h00	ISNIM General Assembly
20h30	Farewell Dinner

## Sunday 27 april 2008

09h00	<p>Round Table 7: <b><i>NIM-based drug discovery</i></b> <i>Chairperson:</i> Luiz Barbeito (UY) <i>Speakers:</i> - Guy Hagelman (BE) - <i>Fighting inflammation in the brain</i> - Mario Delgado (ES)- <i>Neuropeptides: keeping the equilibrium between pathogen immunity and immune tolerance</i> - Marcelo Paez-Pereda (GE)- <i>Targeting neuroinflammatory pathways in depression</i></p>
10h30	Coffee Break
11h00	<p>Mini-conferences: <b><i>Translational Medicine in Neuroimmunomodulation</i></b> <i>Chairperson:</i> Marcelo Paez-Pereda (GE) <i>Speakers:</i> .- Marco Aurélio Martins (BR)- <i>New insights into the putative application of local anesthetic derivatives as alternative for asthma treatment</i> - Julio Licinio (USA) - <i>Neuroimmunomodulation in Depression: From Pathophysiology to Pharmacogenomics</i></p>
12h00	<p><b>Norvera Spector Award Conference:</b> <i>Chairperson:</i> Wilson Savino (BR) <i>Laureate:</i> Mireille Dardenne (FR) - <i>Neuroendocrine control of thymus physiology: role of pituitary peptides</i></p>
13h00	Closing Ceremony: Wilson Savino, Hugo Besedovsky