



**CUBANNI 2017**  
First International Meeting  
of The Cuban Network of Neuroimmunology  
Varadero, Cuba, June 10-14, 2017



## SCIENTIFIC PROGRAM

### Saturday, June 10 - Arriving in BLAU MARINA VARADERO

Check-in and enjoying the hotel.

19:00 hrs: Welcome activity.

**Place:** Conference Room.

**Chairs:** V. Wee Yong (Canada)  
Maria Robinson Agramonte (Cuba)  
Nibaldo Hernandez Mesa (Cuba)

**Welcome talks:** SONECUB Executives.

**Opening Lecture:** V. Wee Yong. University of Calgary, Canada (ASNI). Modulating inflammation in multiple sclerosis.

21:00 hrs: Welcome cocktail: Champagne.

### Sunday, June 11th – SESSION 1

07:30-08:15 hrs: Breakfast at Buffet Room.

#### **Fourth International Workshop of Neuroimmunology**

8.30-10.20 hrs: *Symposia on epigenetics and therapies in demyelinating diseases*

Chairs Fernando Gracia (Panama) and Amado Diaz de la Fe (Cuba).

8.30-9.20 hrs: Fernando Gracia (Panama). Current aspects on B cell in pathological process of MS. New therapies in development.

09.25-09.40 hrs: Maria Robinson (Cuba). Molecular biomarkers and comorbidities in MS.

09.45-10.05 hrs: Amado Diaz de la Fe (Cuba). Physical therapy in MS patients: A Cuban experience recovering the neural function.

10.05-10.10 hrs: Coffee break.

#### **Symposia of neuroimmune interactions and repair of brain damage**

Chairs: Profs. Alina Gonzalez-Quevedo (Cuba) and Carlos Alberto Goncalves (Brazil).

10.10-10.30 hrs: Carlos Alberto Goncalves. (Brazil). The role of S100B protein in neuroinflammation.

10.35-10.50 hrs: Jessica Silva-Souza (Brasil). S100B secretion is modulated by anti-inflammatory drugs in primary astrocyte cultures.

10.50-11.15 hrs: Aleksandra Deczkowska (Israel). Immune activities of choroid plexus and microglia shape brain function throughout life.

11.20-11.35 hrs: Ivette Fernandez (Cuba). Cuban hematopoietic factors, G-CSF and EPO, as promising targeted therapy in cognitive/motor impairments in a nonhuman primate model of Alzheimer's disease: neurobehavioral findings.

11.35-11.45 hrs: Lourdes Lorigados (Cuba). Peripheral and central regulatory molecules of inflammation in patients with drug-resistant temporal lobe epilepsy.

11.50-12.15 hrs: Priscila Machado Rosa (Brazil). Resveratrol protects oligodendroglia against LPS-mediated cytotoxicity via heme oxygenase-1.



12.20 hrs: Lunch.

***Symposia Modulating functions in neurological disease.***

Chairs: Diogo Onofre (Brazil) and Yanier Nuñez Fernandez (Cuba).

14.00-14.20 hrs: Diogo Onofre (Brazil). Neuroprotective effects of guanosine administration in rats on experimental models of brain diseases.

14.25-14.45 hrs: Lionel Muller (Argentina). TDP-43-mediated neurodegeneration: role of inflammation in novel transgenic models of FTD/ALS.

14.50-15.10 hrs: Miriam Marañón Cardone (Cuba). Neuroprotective treatment with sinusoidal extremely low frequency magnetic field: experimental evidences.

15.15-15.30 hrs: Lena Font (Cuba). Ca<sup>2+</sup>-dependent NO pathway in extremely low frequency magnetic field (13,5 Mt/60 Hz) induces migration in HMEC-1 cells.

15.35-15.55 hrs: MA Wong-Guerra (Cuba). Neuroprotective effects of JM-20 on aluminium-chloride-induced learning impairments, mitochondrial dysfunction and neuronal death in adult rats.

16.00-16.20 hrs: LA Fonseca-Fonseca (Cuba). JM-20, a novel hybrid molecule, protects against 6-hydroxydopamine-induced neurotoxicity in *in vivo* and *in vitro* models of Parkinson's disease.

16.25-16.45 hrs: JA Ramirez-Sanchez (Cuba). Regional effects of transient cerebral ischemia on astrocytes reactivity and PI3K/Akt survival pathway: role of JM-20.

17.10 hrs: Drummer of Neuroimmunology. At Rocha SA Stand.

**Monday, June 12th - SESSION 2**

07.30-08.30 hrs: Breakfast at Buffet Room.

**08.30 hrs: *VIII International Symposia of Hereditary Ataxias and other neurodegenerations I.***

Chairs: Georg Auburger (Germany) and Yaimee Vazquez Mojena (Cuba).

08.30-08.55 hrs: Georg Auburger (Germany). Ataxin-2 as translation factor with specificity for mitochondrial precursors.

09.00-09.25 hrs: Christopher Gomez (USA). Spinocerebellar ataxia type 6.

09.30-09.50 hrs: Dalina Laffita (Cuba). Suppressing Igf-1 signaling pathway rescues neuronal overgrowth of Pten<sup>+/-</sup>-mice.

09.55-10.15 hrs: Sonia Moreno (Colombia). Spinocerebellar ataxias in Colombia.

10.20-10.40 hrs: Paul Mathew (USA). A new mouse model and treatment for ataxia-telangiectasia.

10.45 hrs: Coffee break.

**10.50-14.00 hrs: Lectures on Neuroimmunology: from history to clinical application.**

Chairs: Jack Antel (Canada) and Hartmut Wekerle (Germany).

10.50-11.10 hrs: Orlando Serrano Barrera (Cuba). Some founding events on the history of neuroimmunology.

11.15-11.45 hrs: Manfred Schedlowski (Germany). Learned immune responses-mechanism and potential clinical application.



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11.50-12.20 hrs: Hartmut Wekerle( Germany). Nature and nurture - Gut microbiota and multiple sclerosis.

12.25-12.50 hrs: Jack Antel (Canada). Title to be confirmed.

12.50-13.10 hrs: Carlos M Martinez Ortiz (Cuba). MS-Scan computer program for identification of exact and inexact microsatellites in genomic sequences.

### **Tuesday June 13th - SESSION 2**

07.30-08.30 hrs: Breakfast at Buffet Room.

08:30 hrs: ***Symposia on inflammation, biomarkers and intervention in neurodevelopmental disorders.***

Chairs: Scott Hunter (USA) and Lazaro Gomez (Cuba).

08.30-09.00 hrs: Scott Hunter (USA). How Neuropsychology informs Neuroimmunology - Understanding the Cognitive and Behavioral Vulnerabilities in Autism Spectrum Disorders.

09.10-09.20 hrs: Maria Robinson (Cuba). From clinical to molecular in autism. A pending task for science.

09.25-09.45 hrs: Dario Siniscalcus (Italy). Title to be confirmed.

09.50-10.15 hrs: Fernando Casanova (USA). Neuropathology and current tools for treatment in autism.

10.20-10.40 hrs: Lazaro Gomez (Cuba). Transcranial magnetic stimulation in autism modulate behavioral in autism.

10.40 hrs: Coffee break.

### ***VIII International Symposia of Hereditary Ataxias and other neurodegeneration II.***

10.50-11.10 hrs: Jonathan Magaña (Mexico). Spinocerebellar ataxia type 7.

11.15-11.40 hrs: Luis Velazquez Perez (Cuba). Spinocerebellar ataxia type 2: early biomarkers and clinical trials.

11.45-12.00 hrs: Roberto Rodriguez Labrada (Cuba). Novel electrophysiological biomarkers for SCA2.

12.05-12.20 hrs: Jandy Campins Ali (Cuba). Parkinsonian phenotype in SCA2.

12.25-13.45 hrs: Patricia Casañas Hernandez (Cuba). Intra-nasal administration of non-hemopoietic erythropoietin promotes clinical benefit without toxicity in spinocerebellar ataxia type 2 patients: results from a 6 month, double-blind, placebo-controlled phase 2 clinical trial.

12.50-13.10 hrs: Julio C Rodriguez Diaz (Cuba). Physical therapy in SCA2 patients: experiences over 15 years.

20:15-23:00 hrs: Closing Ceremony.

Recognition ceremony of Honorary Members.

### **Thursday June 14th**

07:30-10:00 hrs: Breakfast at Buffet Room.

9.00 hrs: CUBANNI Meeting.

14:00 hrs: Check-out.

16:00 hrs: Return to Havana.