



**“Humboldt-Kollegs” in Havana, Cuba**  
October 27-28/ 2010  
**‘Hermanos Ameijeiras’ Hospital**  
University of Medical Science of Havana



## Physiological Sciences

Dear “Humboldtianer”,  
We will to develop a transdisciplinary “Humboldt-Kollegs” symposium on physiological sciences emphasizing the contributions from different disciplines to the understanding of life at different level of complexity including brain functions and mental states. The interactions among investigators coming from different fields of knowledge with different point of views, but with a common interest, will allows a reconstruction of a life picture that come closer to the “truth” and can overcome the borders.

We are calling the “Humboldtianer” to participate in a two-day sessions of conferences and an open discussions focused on the physiology with the

finality to unify effort, criteria, opinions, visions and mainly to establish an scenario for direct contact and to facilitate an exchanging using the benefits of the Humbolt-Network. A combination of young investigators and experienced researchers is the ideal formulation to assume this challenge.

### Coordinator:

Prof.J.A González-Hernández  
Department of Applied Physiology  
Hnos Ameijeiras Hospital

### Sponsors:

- AvH- Foundation
- Cuban Society of Physiological Sciences
- Cuban Society of Neurosciences

**Official language:** English

### Lecturers (Preliminary)

#### 1- Prof. Pause

Experimental Psychology, University of Düsseldorf  
Olfactory system: physiology, behavior, and mental states.

#### 2- Prof. Stockhorst

Clinical Neurosciences and Clinical Psychology, University of Düsseldorf /Osnabruck  
Intranasal insulin: a model to assess brain effects of insulin: cognition.

#### 3- Prof. Scherbaum

Department of Endocrinology, Clinical University of Düsseldorf  
Dementia (Alzheimer) and diabetes.

#### 4- Prof. Stuehmer

Experimental Medicine  
Max-Planck Institute, Göttingen  
Cell membrane and genetic

#### 5- Ph D candidate Ivar Iglesias/Prof Hernandez

University of Medical Science of Havana  
Effect of humor on limbic system and autonomic system: electrophysiological neuroimage.

#### 6- Dr. E. Mora

Biological Faculty  
University of Havana  
Auditory pathway and echo-localization

**7- Prof. Bergado**

CIREN,  
University of Medical Science of  
Havana  
Neurodegeneration: Aging.

**8- Prof. Gonzalez-Hernandez**

Hermanos Ameijeiras Hospital,  
University of Medical Sciences of  
Havana  
Electrophysiological biomarker and  
neuropsychiatric diseases

**9- Prof. Ribeiro Thomaz**

University of Campinas, Brazil  
Anthropology: impact of the earthquake  
in Haiti

**10- Dr. Martin**

Cuban Neuroscience Center, Havana  
New electrophysiological tools to assess  
the brain

**11- Prof. Cilene Lino de Oliveira**

Department of Physiological Sciences,  
Central University of Santa Catarina,  
Brazil  
Neurogenesis in adult brain

**12- Prof. Fernando B de Costa**

University of Sao Paulo, Brazil  
Understanding anti-inflammatory and  
toxic properties of medicinal plants:  
chemical and biological tools

Contact to:

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**Hot Topics**

Cell membrane physiology  
Chemoreceptor: olfactory system  
Auditory system: echolocation  
Visual system: biomarker  
Molecular mechanism of memory: aging  
Neurogenesis  
Anthropology  
Pharmacology  
Bioinformatics: molecular modelling  
Immunology  
Emotion-cognition  
Avalanche-living matter  
Neurophysic – neuroinformatics-EEG sources imaging  
Physiology  
Biophysic