

# CMBN/SNRP SYMPOSIUM 2000

*March 9 - 12, 2000*

COSTA DORADA BEACH RESORT  
ISABELA, PUERTO RICO

## PROGRAM

### THURSDAY, MARCH 9

Only for the participants of the Specialized Neuroscience Research Program (SNRP)

6:00 - 7:00 p.m.      **SNRP meeting and dinner**  
External Advisory Committee meets with the SNRP director and researchers for a 'get acquainted' session, brief progress report and scheduling for the symposium.

### FRIDAY, MARCH 10

8:00 - 9:00 a.m.      Breakfast for SNRP participants

9:00 - 10:00 a.m.      Arrival of other participants - Coffee and pastry will be served.  
Posters will be up all day Friday to Sunday.

10:00 - 10:45 a.m.      *GUEST CONFERENCE - I*  
***Alpha-1-Adrenoreceptors on Dopamine Cells***  
John Williams, Ph.D. - Oregon Health Sciences University

*Presentations of ongoing research projects by CMBN scientists and colleagues from the continent with active participation from the audience*

10:45 - 11:15 a.m.      ***Glutamate transmission in rat prefrontal cortex***  
José Ortiz

11:15 - 11:45 a.m.      ***Amantadine actions on cocaine sensitization***  
Carlos Jiménez, G.J. Soler and D.R. Bloom

11:45 - 12:15 p.m.      ***The role of the medial prefrontal cortex in the extinction of conditioned fear***  
Gregory Quirk, M.R. Milad, E. Santini, K. Lebrón, and A. Torres

12:15 - 1:45 p.m.      *Group Photograph and Lunch*

- 1:45 - 4:00 p.m. Free time for informal discussion (\* see note at the end)
- 3:00 - 4:00 p.m. *Chair: Olga Claudio*  
***Just for Students***  
 A gathering to discuss a science student's work, expectations, plans, difficulties, possibilities.....
- 4:00 - 4:30 p.m. ***Mechanism of neuroprotection from excitotoxicity by the ornithine decarboxylase inhibitor  $\alpha$ -difluormethylornithine***  
 P.A. Ferchmin, D. Pérez, M. Rosado, S. Cortés and O.R. Pagán
- 4:30 - 5:00 p.m. ***Sampling, Isolation and Characterization of Tobacco Cembranoids***  
 Osvaldo Rosario, M. Biello, S. Cortés, O. Pagán, V.A. Eterovic and P.A. Ferchmin
- 5:00 - 5:30 p.m. ***Novel Approaches for Gene Discovery and Study of Gene Regulation***  
 Jean de Vellis
- 7:00 p.m. Dinner (All participants)  
***SNRP News***  
 Alfred Gordon, Ph.D.  
 Director Office of Special Programs in Neuroscience, NINDS
- RCMI News***  
 Eddy Ríos Olivares, Ph.D.  
 RCMI Program Director at UCC
- MBRS News***  
 Héctor Maldonado, Ph.D.  
 MBRS Program Director at UCC

## **SATURDAY, MARCH 11**

- 7:00 - 8:00 a.m. Breakfast (All participants)
- 8:00 - 9:30 a.m. ***SNRP External Advisory Committee Meeting***  
 Dr. Mark McNamee, Dr. Donald Partridge and Dr. Palmer Taylor; ex officio members: Dr. Nilda Candelario, and Dr. Alfred Gordon; Program Director, Dr. Vesna Eterovic.  
 Minutes: Ivonne Amill, RCMI Coordinator
- 8:00 - 9:30 a.m. ***Poster session***

Poster will be up all day Friday to Sunday but, during this session, authors are expected to be on site and explain their posters to the interested colleagues. See list of titles at the end.

- 9:30 - 9:45 a.m. Coffee Break
- 9:45 - 10:15 a.m. ***A Radiolabelled Photoreactive Cembranoid to Study the Nicotinic Acetylcholine Receptor***  
Richard Hann, V. A. Eterovic, and O.R. Pagán
- 10:15 - 10:45 a.m. ***Mechanism-based Discovery of Ligands that Prevent Inhibition of the Nicotinic Acetylcholine Receptor by Cocaine and MK-801***  
George Hess
- 10:45 - 11:15 a.m. ***Cembranoids, PCP and Nicotinic Acetylcholine Receptor***  
Misty Eaton and V.A. Eterovic
- 11:15 - 11:45 a.m. ***AChR channel kinetics in mutation producing Slow Channel Congenital Myasthenic Syndrome.***  
Legier Rojas, J. Lasalde, C. Gómez, M. Navedo, and M. Nieves
- 11:45 - 1:00 p.m. *Group Photograph and Lunch*
- 1:00 - 4:00 p.m. *Free time for informal discussions*
- 3:00 - 4:00 p.m. ***Scientific Editor***  
Mary Sexton, consultant for papers and grants writing will meet with all interested CMBN investigators.
- 4:00 - 4:30 p.m. ***Expression of caveolin isoforms in C-6 glial cells***  
Walter Silva, Héctor Maldonado et ales
- 4:30 - 5:00 p.m. ***Endogenous and Novel Synthetic Polyamines Depress AMPA-receptor's Calcium Currents***  
Serguei Skatchkov, M.J. Eaton, S.L. Bouldakova, R.K. Orkand, A. Reichenbach and R.W. Veh

- 5:00 - 6:00 p.m.      *GUEST CONFERENCE - II*  
*Selective toxins to elucidate the structural and specificity characteristics of the nicotinic acetylcholine receptor*  
 Palmer Taylor, Ph.D. - University of California San Diego
- 7:30 p.m.              **FIESTA!!!** Please refer to separate announcement.

**SUNDAY, MARCH 12**

- 8:00 - 9:00 a.m.      Breakfast (All participants)
- 9:00 - 10:00 a.m.    *Round Table Discussion: The Future of CMBN*  
 All participants are invited to this brain-storming session about the RCMI renewal proposal and other features of CMBN future  
 Minutes: Richard Hann, MD
- 10:00 - 10:15 a.m.    Coffee Break
- 10:15 - 11:45 a.m.    *CMBN Assembly*  
 (CMBN members only)  
 Minutes: Richard Hann, CMBN Secretary
- 10:15 - 11:15 a.m.    *CMBN Advisory Board Meeting*  
 Drs. Candelario, de Vellis, Hess, Rosario, and RCMI Program Director, Dr. Eddy Ríos Olivares.  
 Minutes: Ivonne Amill, RCMI/SNRP Administrator
- 11:15 - 11:45 a.m.    *Exit meeting*  
 CMBN Advisory Board with the CMBN Director  
 Minutes: Ivonne Amill, RCMI/SNRP Administrator
- 12:00 - 1:00 p.m.    Lunch (Selected group)
- 1:00 p.m.              End of activity

**\*“Free time”** for informal discussions between collaborating researchers, researchers and advisors, students and faculty, scientists and administrators, or whoever feels like talking science with anybody else that feels the same way.

**POSTERS**

***·Purification of fusion protein containing muscarinic toxin MT-7 for the production of antibodies.***

Elizabeth J. Mathews, Martha Salinas, Norman Medina and Krishna Baksi

***·Biological Function of Toxins from Upside-down Jellyfish of Puerto Rico.***

Norman Medina, Martha Salinas, Elizabeth Mathews and Krishna Baksi.

***·Curaremimetic Toxin Binding to Cell-Expressed Torpedo Nicotinic Acetylcholine Receptor.***

Richard Hann, Sonia Valdés, Aime Berolo and Oné Pagán

***·Modulation of EAATs by Group III mGluRs as potential anticonvulsant therapy.***

Olga Claudio, Nairimer Berríos and José Ortiz

***·Tobacco cembranoids inhibit the expression of nicotine sensitization of exploratory activity in rats.***

P.A. Ferchmin, Yania Nicolau, Oné Pagán, Myriam Rosado, Samuel Cortés, Ronald Lukas, John Fryer, Richard Hann, Abimael Rodríguez and Vesna Eterovic