

## PROGRAM

## EAST COAST NERVE NET - NINETEENTH ANNUAL MEETING

MARCH 26-27-28, 1993

Friday, March 26

- 5:30 P.M.       Cocktails and Dinner - Swope Center
- 8:00             Plenary Session - Whitman Auditorium
- Dr. Mu-Ming Poo, Department of Biological  
                  Science, Columbia University  
                  "Nerve Growth, Transmitter Secretion,  
                  Synaptogenesis: Random Walks in a Culture Dish"

Saturday, March 27

- 8:30 A.M.       A Diversity of Taste Defects in Drosophila Shaker  
                  Mutants.  
                  Rohini Balakrishnan, McGill University
- 8:45             South Pacific Hearing: Auditory Persistence in  
                  Polynesian Moths.  
                  James Fullard, Erindale College (Univ Toronto)
- 9:00             The Fly Ormia Ochracea: Another Way to Listen to  
                  Crickets Songs.  
                  Daniel Robert, Cornell University
- 9:15             Visual Receptive Field Properties of Feature  
                  Detecting Neurons in the Dragonfly.  
                  M.A. Frye and R.M. Olberg, Union College
- 9:30             Processing of Auditory Motion by the Owl.  
                  Jianxin Wang and Andrew Moiseff, UConn
- 9:45             Determining the Wind Direction by Looking at Four  
                  Neurons in the Cricket.  
                  Emilio Salinas, Brandeis University
- 10:00            BREAK

- 10:30 Interspecies Comparison of Two Caenorhabditis genes encoding FMRFamide-like Neuropeptides.  
Karin Schinkmann, Boston University
- 10:45 Outward Currents in Heart Motor Neurons of the Medicinal Leech.  
Clifford Opdyke, Georgia State University
- 11:00 Dynamics of Intradendritic Ca<sup>++</sup> in a 5-HT-evoked Plateau-Generating Crab Motoneuron.  
Bing Zhang, K. Delaney, D.W. Tank and R.M. Harris-Warrick, Cornell University and AT&T Bell Labs
- 11:15 Activity-Dependent Changes in the Bursting Properties of Cultured Stomatogastric Ganglion Neurons.  
Gina Turrigiano, Brandeis University
- 11:30 In vivo Gastric Mill Patterns: Is There Behavioral Plasticity in the Stomatogastric System?  
Lee Morris, Northeastern University
- 11:45 Modeling a Neural Oscillator.  
Ronald Calabrese, Emory University
- 12:00 LUNCH
- 1:30 Structure and Connectivity of Transplanted Neurons.  
Hans-Joachim Pfluger, Freie University (Berlin)
- 2:00 Differences in Growth Between Crayfish Phasic and Tonic Axons in vitro.  
Kathleen Egid and Gregory Lnenicka, SUNY Albany
- 2:15 The Affect of Growth on the Electrotonic Properties of an Interneuron.  
Andrew Hill, Univ. of Massachusetts at Amherst
- 2:30 Maturation of the Locust Flight System: Role of the Forewing Stretch Receptor.  
John Gray, C.E. Gee and R.M. Robertson  
Queen's University
- 2:45 Evidence for a Functional Role of G-proteins in Abdominal Ganglia of Manduca sexta.  
Sanjive Qazi, Tufts University

- 3:00 BREAK
- 3:30 Expression of the Engrailed Protein in Identified Adult Neurons of Grasshopper.  
Melody Siegler, Emory University
- 3:45 Development of Segmental Differences in the Lineages of Homologous Neuroblasts.  
Karen Thompson, Agnes Scott College
- 4:00 The Morphology of Efferent Neurons of the Unpaired Median Group in Grasshopper.  
Holly Campbell, Emory University
- 4:15 "P" Neurons Pioneer Peripheral Outgrowth of "Ap" Neurons in the Leech.  
Wenbiao Gan and Eduardo Macagno, Columbia Univ.
- 4:30 Induction of Segment Specific Neurons in the Leech, Hirudo.  
Tom Becker, Columbia University
- 4:45 ????????? Influences on the Stomatogastric Networks of the Crab, Cancer borealis.  
Petra Skiebe-Corretts, Brandeis University
- 6:00-9:00 EVENING POSTER SESSION - SWOPE CENTER  
(Followed by a social organized by Dr. Edward Kravitz).

