CENTER FOR COGNITIVE SCIENCE

University at Buffalo, State University of New York

Wednesday, February 6, 2002

280 Park Hall
North Campus
2:00 pm –4:00 pm

"Receptors, Synapses, and Information in the Retina"

Malcolm Slaughter, Ph.D.
Department of Physiology and Biophysics, University at Buffalo

The retina relies on only a few neurotransmitters, glutamate and GABA, to relay a diversity of information. Receptor subtypes take up the slack. Glutamate receptor subtypes are specialized for encoding information about the onset and offset of light. Glutamte receptors also encode temporal properties of light signals. GABA receptors form intensity discriminators. Overall, there is a linkage between receptor subtypes and the decomposition of visual information.

Refreshments will be available. Everyone is welcome to attend!

For information please call the Cognitive Science Office at (716) 645-3794 or check http://wings.buffalo.edu/cogsci/html/2002Spring.htm