

The Massachusetts Neuropsychological Society

presents

Richard Deth, Ph.D.

Autism: A Metabolic Disorder of Genetic and Environmental Origins Affecting Neural Synchronization

Tuesday, April 4, 2006

7:30 PM

Dr. Richard Deth is a molecular neuropharmacologist and Professor of Pharmacology at Northeastern University in Boston. His research interests are directed toward elucidating the molecular events that cause neuropsychiatric disorders in which impaired attention is a prominent feature. Dr. Deth's laboratory has discovered a new signaling pathway involving the D4 subtype of dopamine receptor that is linked to the risk of ADHD, autism, schizophrenia and Alzheimer's disease. A key aspect of his work is the role of folate-dependent methylation reactions, including their regulation by dopamine and growth factors and their inhibition by neurodevelopmental toxins. His work on autism has been recently funded by the Autism Research Institute, Safe Minds, Forest Laboratories, and Cure Autism Now. Other grants are currently pending funding by NIH and Nancy Laurie Marks Foundation. Dr. Deth is the author of a recently published book: *Molecular Origins of Human Attention: The Dopamine-Folate Connection*. He also co-authored the chapter entitled *Attention-Related Signaling Activities of the D4 Dopamine Receptor* to Posner's highly praised compendium: *Cognitive Neuroscience of Attention*.

Spaulding Rehabilitation Hospital, 125 Nashua Street,

8th Floor Conference Room

For directions, please check www.massneuropsychology.org

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