



PROGRESS IN NEUROSCIENCE PINS



Seminar Series of the
Brain & Mind Research Institute
Weill Cornell Medical College (WCMC)
&

The Graduate Program in Neuroscience of
WCMC and Sloan Kettering Institute

Thursday, 11/3/16, 4 PM, coffee at 3:45 PM

A-950

“Beyond the Dopamine Receptor: Regulation and Roles of Serine/Threonine Protein Phosphatases in Striatal Neurons”

Angus C. Nairn Ph.D., Charles BG Murphy Professor of Psychiatry, Department of Psychiatry, Yale University School of Medicine



Abstract

Dr. Nairn studies the general area of signal transduction in the central nervous system, and has worked independently, and in collaboration for more than 35 years with Dr. Paul Greengard, at Yale and Rockefeller Universities, elucidating many of the signaling pathways that mediate the effects of dopamine in neurons. Dr. Nairn has extensive experience in the enzymology, protein chemistry, and molecular biology of signal transduction, particularly with respect to the role of protein phosphorylation and dephosphorylation in the nervous system. At Yale University, Dr. Nairn established, together with Ken Williams, the Yale Neuroproteomics Center, that supports the work of more than 20 investigators at Yale University and other institutions who use proteomic approaches to study the regulation of signaling mechanisms in neurons.

Recent Relevant Publications:

1. Walaas, S.I., Hemmings, H.C., Jr, Greengard, P., Nairn, A.C. (2011) Beyond the Dopamine Receptor: Regulation and Roles of Serine/Threonine Protein Phosphatases. *Front Neuroanat.* 5:50.
2. Kitchen, R.R., Rozowsky, J.S., Gerstein, M.B., and Nairn, A.C. (2014) Decoding neuroproteomics: integrating the genome, transcriptome and functional anatomy. *Nature Neuroscience.* 17:1491-1499. doi: 10.1038/nn.3829.



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