

Sonja Blum, MD, PhD



Behavioral Neurology Fellow
Columbia University Medical Center
G.H. Sergievsky Center and Taub Institute
630 West 168th Street: P&S Box 16
New York, New York 10032
p. 212-305-9194
f. 212-305-2526

sb2694@columbia.edu

Education:

Neurology Residency, Columbia University
Internship in Internal Medicine, Columbia University
MD, PhD, University of Texas at Houston Medical School
BS, Microbiology, University of Texas at Austin

Current research interest: Investigation of the structural and functional relationship of the hippocampus to neocortical regions and how this may change across the life span.

Publications:

Blum, S., Habeck, C., Steffener, J., Stern, Y. Age-related reorganization of functional connectivity of the hippocampal- neocortical circuits (in preparation).

Blum, S., Luchsinger, JA, Manly, JJ, Stern, Y, DeCarli, C, Mayeux, RP, Small, SA, Brickman, AM. Memory after stroke: Hippocampus and infarcts both matter (submitted for publication).

Bogorad I, **Blum S**, Green M. A case of MS presenting with SUNCT status. Headache. 2010 Jan;50(1):141-3.

Blum S, Runyan JD, Dash PK. Inhibition of prefrontal protein synthesis following recall does not disrupt memory for trace fear conditioning. BMC Neurosci. 2006 Oct 6;7:67.

Blum S, Hebert AE, Dash PK. A role for the prefrontal cortex in recall of recent and remote memories. Neuroreport. 2006 Feb 27;17(3):341-4.

Dash PK, Runyan JD, **Blum S**, Hebert A. Putative Mechanisms of the various memory functions; in Memory and the Amnesias. Oxford Press: Baltimore, 2005.

Blum S, Dash PK. A cell-permeable phospholipase Cgamma1-binding peptide transduces neurons and impairs long-term spatial memory. Learning & Memory. 2004 May-Jun;11(3):239-43.

Dash PK, Mach SA, **Blum S**, Moore AN. Intrahippocampal wortmannin infusion enhances long-term spatial and contextual memories. Learning & Memory. 2002 Jul-Aug;9(4):167-77.

Dash PK, **Blum S**, Moore AN. Caspase activity plays an essential role in long-term memory. Neuroreport. 2000 Aug 21;11(12):2811-6.

Blum S, Moore AN, Adams F, Dash PK. A mitogen-activated protein kinase cascade in the CA1/CA2 subfield of the dorsal hippocampus is essential for long-term spatial memory. Journal of Neuroscience. 1999 May 1;19(9):3535-44.

Selected abstracts and presentations:

Blum, S., Runyan, J.D., Hebert, A.E., Dash, P.K. Prefrontal protein synthesis impairs consolidation, but not reconsolidation of trace fear memory. Cold Spring Harbor, April 2005.

Blum, S., Moore, A.N., Orsi, S.A., Dash, P.K. Roles for PLC γ 1 AND PI-3 kinase in long-term hippocampus dependent memory. American Society for Neurochemistry 2004.

Blum S, Mach SA, Moore AN, Dash PK: Intrahippocampal wortmannin infusion enhances long-term spatial and contextual memories. Soc. Neurosci. Abstr. 2002.

Dash, P.K., **Blum, S.**, and Moore A.N.: Cell survival and cell death cascades in memory storage. Learning & Memory Abstr. Cold Spring Harbor, 2001.

Dash, P.K., **Blum, S.**, and Moore A.N.: The MAPK/ERK cascade is essential for long-term spatial memory. Learning & Memory Abstr. 103, Cold Spring Harbor, 1999.