



Department of Psychiatry
Columbia University, College of P&S **NYS**
Psychiatric Institute

DIVISION OF BRAIN STIMULATION AND THERAPEUTIC MODULATION

JOURNAL CLUB

SONJA BLUM, MD, PHD

**PGY-3 RESIDENT
DEPARTMENT OF NEUROLOGY
COLUMBIA UNIVERSITY**

will present the following paper

**Plewnia C, Rilk AJ, Soekadar SR, Arfeller C, Huber HS, Sauseng P,
Hummel F, Gerloff C. Enhancement of long-range EEG coherence by
synchronous bifocal transcranial magnetic stimulation.
Eur J Neurosci. 2008 Mar;27(6):1577-83.**

Wednesday February 25, 2009

1:00 PM to 2:00 PM

Location: New York State Psychiatric Institute, 1051 Riverside Drive, Room 5001

(Enter Kolb Annex, 40 Haven Ave., turn rt., walk through atrium and across bridge over Riverside Dr. to new NYSPI, take elevator to 5th Fl.)

(See over for brief speaker biographies and J Club paper)

ABOUT SONJA BLUM, MD, PHD

Dr. Sonja Blum is a PGY-3 Resident in Neurology, Columbia University. She received her MD / PhD from University of Texas Medical School at Houston. Dr. Blum's past research centered on cellular and molecular mechanisms of hippocampus-dependent long term memory, in particular the roles of growth factor initiated intracellular signaling. She is currently spending a month with the Division of Brain Stimulation and Therapeutic Modulation, exploring her current research interest in applications of transcranial magnetic stimulation.

SELECTED RECENT PUBLICATIONS OF DR. SONJA BLUM

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.

Blum S, Dash PK. A cell-permeable phospholipase Cgamma1-binding peptide transduces neurons and impairs long-term spatial memory. Learn Mem. 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. Learn Mem. 2002 Jul-Aug;9(4):167-77.

PAPER FOR JOURNAL CLUB

Plewnia C, Rilk AJ, Soekadar SR, Arfeller C, Huber HS, Sauseng P, Hummel F, Gerloff C. Enhancement of long-range EEG coherence by synchronous bifocal transcranial magnetic stimulation. Eur J Neurosci. 2008 Mar;27(6):1577-83.