



**Department of Psychiatry**

**Columbia University, College of P&S**

**NYS**

**Psychiatric Institute**

## **DIVISION OF BRAIN STIMULATION AND THERAPEUTIC MODULATION**

**JOURNAL CLUB**

# **Bernd Figner, PhD**

**Associate Research Scientist**

**Department of Psychology and Center for the Decision Sciences  
Columbia University**

## **The neural basis of intertemporal choice: Single vs. dual valuation accounts and the role of self-control**

**Figner B, Knoch D, Johnson EJ, Krosch AR, Lisanby SH, Fehr E, & Weber EU**

### **Wednesday June 24, 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 Bernd Figner, PhD**

Dr. Bernd Figner is an Associate Research Scientist working with Prof. Elke Weber and Prof. Eric Johnson at the Center for the Decision Sciences and the Department of Psychology at Columbia University. He received his PhD from the University of Zurich for work on affective and deliberative processes in risky decision making in adolescents and adults. His current work focuses on the interplay and development of affective and deliberative processes and cognitive control in decision making. He is studying these topics in the domains of risky decision making and intertemporal choice. In his research, he combines different methodologies in order to increase convergent validity and generalizability of the results, such as classical behavioral-experimental methods (e.g., functional measurement), internet-based data collection methods, assessment of physiological processes (e.g., BOLD in fMRI, electrodermal and cardiovascular activity), and brain stimulation techniques (transcranial magnetic stimulation).

## **Selected Recent Publications of Dr. Bernd Figner**

Figner B, Mackinlay RJ, Wilkening F, & Weber EU (in press). Affective and deliberative processes in risky choice: Age differences in risk taking in the Columbia Card Task. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

## **Paper(s) for Journal Club**

Ballard K. & Knutson B. (in press). Dissociable neural representations of future reward magnitude and delay during temporal discounting. *NeuroImage*.

Knoch D. & Fehr E. (2007). Resisting the power of temptations. The right prefrontal cortex and self-control. *Annals of the New York Academy of Sciences*, 1104, 123-134.