



Budapest University of Technology and Economics



HUNGARIAN BRAIN RESEARCH PROGRAM  
NEMZETI AGYKUTATÁSI PROGRAM

# WORKSHOP ON DEEP BRAIN STIMULATION AND COGNITIVE FUNCTIONS IN FRONTOSTRIATAL DISORDERS

**Date:** 22nd October 2015

**Location:** 1117 Budapest, Magyar tudósok körútja 2. (Small Room), Research Centre for Natural Sciences

- 10:00**            **LARS NYBERG**  
Umeå Center for Functional Brain Imaging, Umeå, Sweden  
**Memory and executive deficits in relation to fronto-striatal functioning**
- 10:50**            **JOHAN ERIKSSON**  
Umeå Center for Functional Brain Imaging, Umeå, Sweden  
**DBS-fMRI of movement and psychiatric disorders**
- 11:30**            **COFFEE BREAK**
- 12:00**            **PÉTER SZLOBODA**  
Department of Neurosurgery, St. John's Hospital  
**Tractography-based target planning of deep brain stimulation**  
Péter Szloboda, Ferenc Pongrácz, & István Valálik
- 12:20**            **GYULA DEMETER**  
Department of Cognitive Science, Budapest University of Technology and Economics;  
Research Group on Frontostriatal Disorders, Hungarian Academy of Sciences  
**Deep brain stimulation and executive functions in Parkinson's disease**  
Gyula Demeter, Péter Pajkossy, Ágnes Szöllösi, & Mihály Racsmány
- 12:40**            **ÁGNES LUKÁCS**  
Department of Cognitive Science, Budapest University of Technology and Economics  
**Different forms of skill learning in Parkinson's disease**  
Ágnes Lukács & Ferenc Kemény
- 13:00**            **KAROLINA JANACSEK**  
Institute of Psychology, Eötvös Loránd University;  
Brain, Memory, and Language Research Group, Hungarian Academy of Sciences  
**Non-declarative memory formation and consolidation**  
Karolina Janacsek & Dezső Németh
- 13:20**            **BERTALAN POLNER**  
Department of Cognitive Science, Budapest University of Technology and Economics  
**Dopamine improves performance after expectancy violations and induces psychotic-like experiences in patients with Parkinson's disease**  
Bertalan Polner, Helga Nagy, Annamária Takáts, Orsolya Györfi, & Szabolcs Kéri