

POSTER PRESENTORS:

Stephanie Lazzaro, w/ Mark Gluck, Thomas Boraud et al. (Rutgers)
Choice and matching behavior with probabilistic rewards

Robb Rutledge, w/Paul Glimcher et al. (NYU)
Reinforcement learning models and Parkinson's disease:
The matching law

Michael Frank, w/Randy O'Reilly et al. (Colorado)
Computational models of striato-cortical circuits in cognition:
Recent advances and converging empirical evidence

Luke Clark, w/Trevor Robbins et al. (Cambridge)
Neural and cognitive mechanisms of decision-making
impairment following brain damage in human subjects

Alon Nevet, w/Hagai Bergman et al. (Hebrew university)
Lack of correlations in the Substantia Nigra Reticulata
despite overlap of neural responses

Anan Moran, w/Zvi Israel et al. (Hebrew university)
Root Mean square (RMS) of microelectrode recording -
spikeless marker for STN localization

Michal Rivlin, w/Ya'acov Ritov, et al. (Hebrew University)
Spectral distortions arising from the neuronal refractory
period - characterization and compensation

Judith Aharon-Peretz, w/ Raquel Tomer, et al (Haifa University)
Cognitive Flexibility in Parkinson Disease: the Role of
Symptom Asymmetry

Simone Shamay-Tsoory , w/ Judith Aharon-Peretz, et al (Haifa University)
The Involvement of the Asymmetry of the Frontal-Striatal
Circuitry in Social Cognition in Patients with Parkinson's
Disease and in Patients with Prefrontal Brain Damage

For additional information:

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Basal Ganglia, Dopamine & Learning:

Integrating Computational and Clinical Perspectives

June 26-28, 2005

Mishkenot Sha'ananim
Conference Center

Jerusalem, Israel



Al-Quds Palestinian University

With the Generous Support of: The Hebrew University • Teva Pharmaceuticals • Alpha Omega Group • NIH (National Institute of Neurological Disorders and Stroke) • National Institute on Drug Abuse • Rutgers University - Newark • The Alafi Family Foundation • Novartis Pharmaceuticals Corporation • Lowenstein Foundation

SUNDAY, JUNE 26

17:00-19:00 Poster Session and Cocktail Reception.

* See List of Posters and Presenters on back page

19:00-21:00 Opening Banquet Dinner

MONDAY, JUNE 27

8:00 Breakfast

8:45 Opening Remarks

9:00-10:30 SESSION 1

Trevor Robbins (Cambridge Univ, UK)

Dopamine-dependent functions of the basal ganglia in cognition: studies in rats, monkeys and humans

Nathaniel Daw (UC. London, UK)

Different computational strategies for learning in the cortex and basal ganglia

Provocateurs: Michael Frank, Daphna Shohamy

10:30-11:00 Coffee Break

11:00-12:30 SESSION 2

Mark Gluck (Rutgers-Newark, USA)

The Cognitive Neuroscience of Associative Learning with Error-Correcting Feedback

Daphna Shohamy (Stanford, USA)

Basal Ganglia - Medial Temporal Lobe Interaction in Learning and Transfer Generalization

Provocateurs: Jean Saint-Cyr, Trevor Robbins

12:30-14:00 Lunch

14:30-16:30 SESSION 3

Paul Bolam (Oxford, UK)

Functional anatomy of dopamine and the basal ganglia

Alim Louis Benabid (Grenoble, France)

Neurosurgical treatments of Parkinson's disease and movement disorders

16:30 Coffee Break

17:00-18:00 Free

18:00-21:00 Tour and Felafel in the Old City

TUESDAY, JUNE 28

8:00 Breakfast

9:00-10:30 SESSION 4

Daphna Joel (Tel Aviv University, Israel)

The role of dopamine in stopping behavior

Thomas Boraud (Univ. Bordeaux, France)

Interaction between cognitive and motor information in the basal ganglia

Provocateurs: David Eidelberg, Suzanne Haber

10:30-11:00 Coffee Break

11:00-12:30 SESSION 5

David Eidelberg (North Shore, LI, USA)

Comparative effects of levodopa and deep brain stimulation on brain network modulation in Parkinson's disease

Jean Saint-Cyr (Toronto, Canada)

Dopamine, learning and gambling in Parkinson's disease: A clinical perspective

Provocateurs: Mark Gluck, Nathaniel Daw

12:30-14:00 Lunch

14:00-15:00 Free

15:00-16:30 SESSION 6

Suzanne Haber (Rochester, USA)

3D Reconstructions of cortico-striatal pathways demonstrate a complex interface between functional circuits

Hagai Bergman (Hebrew University, Israel)

Learning to decide: Dopamine and basal ganglia networks in the normal and the Parkinsonian brain

Provocateurs: Daphna Joel, Thomas Boraud

16:30-17:30 General Discussion.

19:00 Closing Dinner