

Neuroeconomics

Decision Making and the Brain

January 11-13, 2008
New York

Friday

Session I:

Moderator: Paul Glimcher

11:00 – 11:10		Introductory Remarks
11:10 – 11:35	Vernon Smith	“Experimental Economics and Neuroeconomics”
11:35 – 12:00	Doug Bernheim	“The Psychology and Neurobiology of Judgment and Decision Making”
12:00 – 12:25	Antonio Damasio	“Emotions, Decision Making and Social Cognition”
12:25 – 12:50	Wolfram Schultz	“Dopamine, Learning and the Neural Construction of Value”
12:50 – 1:15	Randy Gallistel	“Understanding the Neural Mechanisms that Underlie Decision Making”

1:15 to 2:20 PM

Lunch

Session II: Social Decision Making, Neuroeconomics, and Emotion

Moderator: Bijan Pesaran

2:20 – 2:25		Introduction
2:25 – 2:50	Ernst Fehr	“Social Preferences and the Brain”
2:50 – 3:15	Elizabeth Phelps	“Emotion and Decision Making”
3:15 – 3:40	Sarah Brosnan	“Responses to Inequity in Nonhuman Primates”
3:40 – 4:10		Coffee Break
4:10 – 4:35	Joan B. Silk	“Social Preferences in Primates”
4:35 – 5:00	William Harbaugh* Ulrich Mayr Dharol Tankersley	“Understanding Charitable Giving, Other Regarding Preferences, and the Moral Sentiments”

6:00 to 8:00 PM

Cocktail Reception

Saturday

Session III: Neoclassical Economic Approaches to the Brain

Moderator: Nathaniel Daw

9:00 – 9:05		Introduction
9:05 – 9:30	Andrew Caplin* Mark Dean	“Dopamine and Reward Prediction Error: An Axiomatic Approach to Neuroeconomics”
9:30 – 9:55	Aldo Rustichini	“Decision Process in Economic Choices: Theory and Evidence”
9:55 – 10:20	Kevin McCabe* Daniel Houser	“Experimental Neuroeconomics and Non-Cooperative Games”
10:20 – 11:00		Coffee Break
11:00 – 11:25	Alan Sanfey Michael Dorris*	“Games in Humans and Nonhuman Primates: Scanners to Single Units”
11:25 – 11:50	Laurie Santos* Keith Chen	“The Economics of Nonhuman Primates”
11:50 – 12:15	Julia Trommershäuser* Michael Landy Laurence Maloney	“Expected Utility of Movement under Risk”

12:15 – 2:15 PM

Lunch

Session IV: Behavioral Economics and the Brain

Moderator: Andrew Caplin

2:15 – 2:20		Introduction
2:20 – 2:45	Elke U. Weber* Eric J. Johnson	“Decisions Under Uncertainty: Economic, Psychological, and Neuroeconomic Explanations of Risk Preference”
2:45 – 3:10	Craig R. Fox Russell Poldrack*	“Prospect Theory and the Brain”
3:10 – 3:35	Jon Cohen David Laibson* George Loewenstein	“Multiple Systems Hypothesis of Brain Organization”
3:35 – 4:10		Coffee Break

4:10 – 4:35	Colin Camerer	“Behavioral Game Theory and the Neural Representation of Beliefs”
4:35 – 5:00	Antonio Rangel	“The Computation and Comparison of Decision Values in Simple Economic Choice”

Sunday

Session V: The Neural Mechanisms for Choice

Moderator: Elizabeth Phelps

9:00 – 9:05		Introduction
9:05 – 9:30	Paul Glimcher	“From Value to Choice”
9:30 – 9:55	Michael Platt* Camillo Padoa-Schioppa	“Neuronal Representations of Value”
9:55 – 10:20	Daeyeol Lee* Xiao-Jing Wang	“Neural Circuit Mechanisms for Stochastic Decision Making in the Primate Brain”
10:20 – 10:50		Coffee Break

Session VI: Understanding Valuation – Learning Valuations

Moderator: Paul Glimcher

10:50 – 10:55		Introduction
10:55 – 11:20	Peter Bossaerts* Ming Hsu	“Valuation and Learning as a Precondition of Choice: The Case of Decision Making”
11:20 – 11:45	Bernard Balleine* Nathaniel Daw John O’Doherty	“Multiple Forms of Value Learning and the Function of Dopamine”
11:45 – 12:10	Brian Knutson* Mauricio Delgado Paul Phillips	“Representation of Subjective Value in the Striatum”
12:10 – 12:35	Read Montague* Yael Niv	“Theoretical and Empirical Studies of Learning”
12:35 – 1:00	Kenji Doya* Minoru Kimura	“The Basal Ganglia and the Encoding of Value”
1:00 – 1:15	Paul Glimcher	Closing Remarks

* Presenting Speaker