

Society for
NeuroEconomics

NEUROSCIENCE • PSYCHOLOGY • ECONOMICS



20th Annual Meeting

Crystal City, Arlington, VA

September 30 – October 2, 2022

Hyatt Regency Hotel

neuroeconomics.org |  #SNE2022 | @socforneuroecon

Program at a Glance

Time	Friday September 30, 2022	Saturday October 1, 2022	Sunday October 2, 2022
8:00			
8:15			
8:30	Welcome & Opening Remarks (08:30-8:50)		Announcements (08:45-09:00)
8:45			
9:00			
9:15	Workshop I - Computation (08:50-09:50)	Professional Panels I (08:45-09:45)	Session III - Learning & Decision Making (09:00-10:30)
9:30		Professional Panels II (08:45-09:45)	
9:45			
10:00		Coffee Break (09:45-10:05)	
10:15	Workshop II - The rational use of cognitive resources (09:50-10:50)		Coffee Break (10:30-10:50)
10:30		Session II - Reward Processing (10:05-11:35)	
10:45			Session IV - Self & Other (10:50-12:20)
11:00			
11:15	Coffee Break (10:50-11:10)		
11:30			
11:45	Session I - Strategic Interactions (11:10-12:40)	Speed Networking (11:35-12:35)	
12:00			Lunch - Career Path Session (12:20-13:20)
12:15			
12:30		Lunch - Round Table Session (12:35-13:35)	
12:45			Symposia II - Biases across different timescales, species, and behavioral paradigms (13:20-14:50)
13:00	Lunch (12:40-13:40)		
13:15			
13:30			
13:45	Poster Spotlights I (13:40-14:10)	Symposia I - Features and functions of intrinsic rewards (13:35-15:05)	Poster Spotlights III (14:50-15:20)
14:00			
14:15		Poster Spotlights II (15:05-15:35)	
14:30	Poster Session I (14:10-15:35)		Poster Session III (15:20-16:45)
14:45			
15:00			
15:15			
15:30			
15:45		Poster Session II (15:35-17:00)	
16:00			
16:15			
16:30	Activity (15:45-18:45)		
16:45			
17:00			
17:15			
17:30		Kavli Plenary Lecture (17:00-18:00)	
17:45			
18:00			
18:15			
18:30			
18:45			
19:00	Pub Meet-up	Dinner off-site	
19:15			
19:30			
19:45			
20:00			

Table of Contents

PROGRAM AT A GLANCE1

ABOUT THE SNE SOCIETY3

WELCOME FROM THE PRESIDENT4

GENERAL MEETING INFORMATION6

AWARDS7

DETAILED PROGRAM9

POSTER SESSIONS15

 POSTER SESSION 115

 POSTER SESSION 217

 POSTER SESSION 319

POSTER AUTHOR INDEX22

SPONSORS25

About the SNE Society

OUR MISSION

The mission of the Society for Neuroeconomics is to:

1. **Foster research on the foundations of economic behavior by promoting collaboration and discussion among scholars from the psychological, economic, and neural sciences.**
2. **Ensure the continued advancement of the field of neuroeconomics by supporting young researchers.**

The Society promotes this mission through annual meetings for presentation of original theory and research, and through educational programs to promote development of a common language and set of methodological tools for the field.

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Welcome from the President



On behalf of the Society of Neuroeconomics Board of Directors, it is my great pleasure to welcome you to the 2022 Annual Meeting. After two years of virtual meetings, it is exciting to be welcoming you to a fully in-person conference. The planning committee, ably led by Tali Sharot and Paul Glimcher, have put together what promises to be an outstanding event. Recognizing that the decision to travel to an in-person meeting is still not one to take lightly, we wanted to emphasize all the ingredients of a scientific meeting for which there is no virtual substitute. The 2022 meeting will be chock-a-block with opportunities for talking science, catching up with colleagues, meeting new Society members, and rekindling the sense of community and shared purpose that is so essential to our collective success.

The 2022 Annual Meeting takes full advantage of its location in beautiful Crystal City, Virginia. Outdoor activities will allow you to explore the surrounding parks, riverside and cycle ways. Indoors, plenaries, platform talks, and poster sessions will catch you up on the latest science. We are really pleased by the diversity of abstract submissions, which address neuroeconomics in all its interdisciplinary facets, with presenters from around the globe. We will also return to the workshops that were a defining element of early SNE meetings. Originally intended to bridge disciplinary barriers, we consider this mission largely accomplished. This year, we have refocused the workshops on methodological advances of interest regardless of inter/disciplinary background. We are pleased to welcome

Dani Bassett from the University of Pennsylvania and Tom Griffiths from Princeton University, who will share their leading-edge expertise on network science, computational modeling and big data analytics. No need to choose between these two fascinating speakers: We have scheduled these workshops back-to-back so all conference attendees can benefit from both. These sessions are amongst the conference elements that are supported, in part, by generous institutional sponsorships. Thank you especially to our many returning sponsors whose recurrent support has been crucial to the success of the Society.

Continuing on the theme of new directions relevant to neuroeconomics as a whole, we are pleased to welcome Dana Small from Yale University to deliver this year's Kavli Foundation Plenary Lecture. Professor Small will provide a perspective on the neuroscience of reward that is provocative from a neuroscience perspective, and thus even more provocative in terms of its links to decision-making and economics. Her work considering the neurobiology of food reward in relation not only to the brain, but to the brain-gut axis, raises fascinating new directions for understanding reward-related processes more generally. We hope the Kavli lecture will stimulate new ideas for neuroeconomics research: On the one hand, the public health scourges of obesity and diabetes demand a better understanding of how human biology that has evolved to optimize food intake is seemingly subverted by our current food environment. On the other hand, much of that same biological machinery may be engaged to support more abstract economic choices.

The diversity of research questions, methods, and participants evident in the conference abstracts and featured talks is also reflected in the Society's Board of Directors. It has been a pleasure to work with such a positive and engaged group this year, representing the many sub-fields and methods encompassed by neuroeconomics, and drawn from leading institutions around the world. In navigating the pandemic turbulence, the Board has been steadfast in its commitment to the Society's inclusive vision, finding creative ways to encourage our newest members, whether they are trainees, or experienced researchers who are new to neuroeconomics. In that vein, I encourage all Society members to take advantage of the GUINNESS programming we offer as virtual talks at intervals through the year, and as a library of online

recordings. These “Growing Up In NeuroEconomics” interviews with key figures in our field are a treasure trove of advice, insight, mentorship, and wry observation. Thanks to Elke Weber (and her interviewer, Board member Cendri Hutcherson) for a fascinating GUINNESS discussion in spring 2022 and thanks in advance to Ernst Fehr (and his interviewer, Board member Ming Hsu) who will be featured in October.

With the Society now well into its second decade, it is no longer accurate to describe neuroeconomics as a “nascent field”. However, it is a field still very much in development, with all the energy, excitement, creativity (...and yes, occasional awkwardness, stumbles, and wrong turns) that are to be expected at a stage that we might consider neuroeconomics’ adolescence. I hope that neuroeconomics does not grow up too fast. Understanding different perspectives, methods and conceptual frameworks well enough to bring them together in ways that allow real progress can be slow work at times, but the yield is worth it. A quick skim of the abstracts for this year’s meeting shows how far we have come; I have no doubt that the presentations, questions and discussions at this year’s conference will show us many interesting ways forward.

We need those new ways forward! Our efforts to understand decision-making in biological terms has arguably never been more important. This has been vividly underlined by the adaptive and not-so-adaptive choices we humans have made through the pandemic and its social, economic, and geopolitical aftermath. Whatever else one might say about these very difficult times, they have provided plenty of food for thought for those working in the behavioral sciences. These challenges have also underlined the importance of community in science, as in most human endeavours. Thank you for your presence at this year’s meeting. I encourage you to make the most of the planned program and also to enjoy the unplanned hallway conversations and the buzz of the poster hall. Welcome back to neuroeconomics in glorious 3-D! Welcome to the 2022 Society for Neuroeconomics Annual Meeting.

Lesley Fellows

President, Society for NeuroEconomics

General Information

MEETING VENUE

Hyatt Regency Crystal City at Reagan National Airport
2799 Richmond Highway, Arlington, Virginia, United States, 22202

REGISTRATION

The annual meeting of the Society for NeuroEconomics registration includes admission to all sessions, coffee breaks, lunches as well as to the 13th Annual Fred Kavli Lecture and a grazing dinner on Saturday evening.

REGISTRATION AND INFORMATION DESK

The registration/information desk is open daily during conference session hours:

Friday, September 30	8:00–17:45
Saturday, October 1	8:15–18:00
Sunday, October 2	8:00–17:00

WIRELESS INTERNET

Complimentary wireless internet is available to the delegates of the Society of NeuroEconomics Annual Meeting. Please note the complimentary WiFi is ideal for checking emails and websites but is not strong enough for streaming videos or heavy social media use.

1. Network name: Hyatt_Meeting
2. Password: SNE2022

STAFF

SNE staff from Podium Conference Specialists can be identified by the orange ribbons on their name badges. Volunteers can be identified by the yellow ribbons on their name badges. Feel free to ask any one of our staff for assistance or visit the registration desk.

POSTER SESSIONS

Please visit our poster presenters during the three poster sessions. Coffee and tea will be served during the poster session and please feel free to enjoy your beverage while reviewing the posters. Information on Poster Authors, Poster Numbers and Poster Titles begins on page 15. For a complete copy of the poster abstracts, please see the downloadable pdf abstract book from the Society for NeuroEconomics website.

Poster Session I

Set Up: Friday Sep 30, 2022
between 08:00 and 08:30

Session Time: 14:10–15:35 **Tear Down: 16:00**

Poster Session II

Set Up: Saturday October 1, 2022
between 08:00 and 08:45

Session Time: 15:35–17:00 **Tear Down: 18:00**

Poster Session III

Set Up: Sunday October 2, 2022
between 08:00 and 08:45

Session Time: 15:20–16:45 **Tear Down: 17:00**

2022 STUDENT TRAVEL AWARDS

Yuhua Yu, *Northwestern University*

Qingfang Liu, *National Institute on Drug Abuse Intramural Research Program*

Jo Cutler, *University of Birmingham*

Aram Kim, *Johns Hopkins University*

Belina Rodrigues, *Paris Brain Institute*

Yanchang Zhang, *University of California-Davis*



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9th Consumer Neuroscience Satellite Symposium

Virginia Tech Executive Briefing Center,
900 N Glebe Rd, Arlington, VA 22203,
United States

Thursday, September 29, 2022
11:15am – 6:30pm



Keynote Speakers:

Colin Camerer, *California Institute of Technology*

Elea Feit, *Drexel University*

Sam Anthony, *Perceptive Automata*

Organizers:

Dipankar Chakravarti, *Pamplin College of Business, Virginia Tech, USA*

Hilke Plassmann, *INSEAD, France*

Carolyn Yoon, *Ross School of Business, University of Michigan, USA*

The purpose of the symposium is to take stock of the current knowledge at the intersection of business school research and neuroscience, provide ideas for future research, and allow interested researchers to meet and discuss research ideas.

From Brain to Individual to Real-World Outcomes.



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Detailed Program

FRIDAY, SEPTEMBER 30

08:30-08:50 **Welcome & Opening Remarks**
Lesley Fellows, *SNE President*

08:50-09:50 **Workshop I Computation**
Dani Bassett, *University of Pennsylvania*

Sponsored by:



09:50-10:50 **Workshop II The rational use of cognitive resources**
Tom Griffiths, *Princeton University*

Sponsored by:



University of Zurich

10:50-11:10 **Tea & Coffee Break**

11:10-12:40 **Session I Strategic Interactions**
Chair: **Tom Schonberg**, *Tel Aviv University*

O.01.01: Dynamics of Bargaining

Miruna Cotet¹, Wenjia Joyce Zhao¹, Ian Krajbich¹
¹The Ohio State University

O.01.02: CHASE - A Bayesian model for characterising mentalization during strategic interactions

Niklas Bärge¹, Gökhan Aydoğan¹, Arkady Konovalov¹, Christian Ruff¹
¹University of Zurich

O.01.03: Neural predictors of sensitivity to distinct social inferences during altruistic choice

Lisa Bas¹, Ian Roberts², Cendri Hutcherson², Anita Tusche¹
¹Queen's University, ²University of Toronto

O.01.04: Searching for Orthogonal Neurocomputational Modules that Shape Levels of Rationality in Strategic Interactions

Vered Kurtz-David¹, Adam Brandenburger², Maria Olifer¹, Paul Glimcher¹
¹New York University, ²New York University and NYU Shanghai

12:40-13:40 **Buffet Lunch** (Presidential Quarters & Virginia Rooms, Level 3)

13:40-14:10 **Poster Spotlights I**
Chair: **Anita Tusche**, *Queen's University*

PS.01.01: A rational account of the repulsion effect

Rahul Bhui¹, Yang Xiang¹
¹MIT

PS.01.02: Searching for Happiness: How Web-Browsing Patterns are Related to Wellbeing

Christopher Kelly¹, Tali Sharot¹
¹University College London

PS.01.03: Expectation-dependent evidence evaluation in legal decision-making

Seth Madlon-Kay¹, Artemis Malekpour, David Ball, Donald Beskind¹, Pate Skene², John Pearson¹
¹Duke University, ²University of Colorado Boulder

PS.01.04: Early and late neural components distinguish expectation formation and outcome processing

Matthew Bachman¹, Kaya Scheman², René San Martín³, Marty Woldorff⁴, Scott Huettel⁴

¹University of Toronto, Scarborough, ²National Institute of Health, ³Universidad Diego Portales, ⁴Duke University

PS.01.05: Representations of Flexible Cognitive Maps for Value-based Decision-Making

Sarah Sweigart¹, Seongmin Park¹, Nam Nguyen¹, Charan Ranganath¹, Erie Boorman¹

¹University of California, Davis

PS.01.06: Emotional lability relates to adaptive learning across environmental contexts

Sophie Paolizzi¹, Michael Hallquist¹

¹University of North Carolina at Chapel Hill

14:10-15:35

Poster Session 1

A full list of posters can be found on pages 15-17

15:35-18:45

Off-Site Activities

Please select your preferred off-site activity on the conference registration form.

Activities include:

- Visit to the Smithsonian National Zoological Park
- Hike along the Potomac River
- Bike along the Potomac River
- Visit DC landmarks (e.g., Exterior of White House, WWII Memorial)

18:45-20:00

Pub Meet Up

Location: Clubhouse: Coffee & Cocktails

1070 Wisconsin Ave NW, Washington, DC 20007, United States

SATURDAY, OCTOBER 1

08:45-09:45

Professional Panel I Moving beyond neuroeconomics: Publishing and outreach in other disciplines

Ryan Webb, *University of Toronto*

Hilke Plassmann, *INSEAD, Octapharma Chaired Professor of Decision Neuroscience*

Kevin McCabe, *George Mason University*

08:45-09:45

Professional Panel II Making an impact: How to effectively share science with the public

Tali Sharot, *University College London*

Colin Camerer, *California Institute of Technology*

09:45-10:05

Tea & Coffee Break

10:05-11:35

Session II Reward Processing

Chair: **Erie Boorman**, *University of California, Davis*

O.02.01: Neural Representation of Latent Cause in Credit Assignment

Yanchang Zhang¹, Phillip Witkowski¹, Seongmin Park¹, Erie Boorman¹

¹University of California-Davis

0.02.02: Neural mechanisms underlying the expectation of rewards resulting from effortful exertion

Aram Kim¹, Vikram Chib¹

¹Johns Hopkins University

0.02.03: Orbitofrontal network-targeted TMS disrupts midbrain signaling of identity prediction errors

Qingfang Liu¹, Thorsten Kahnt¹

¹National Institute on Drug Abuse Intramural Research Program

0.02.04: Value representation of delayed and probabilistic rewards in supplementary eye field

Jacob Elsey¹, Jaewon Hwang², Veit Stuphorn¹

¹Johns Hopkins University, ²National Institute of Mental Health

11:35-12:35 Speed Networking

Join us on Oct. 1 in the hour before lunch, when trainees will have a chance to chat with faculty/PIs in a fun and informal setting.

12:35-13:35 Buffet Lunch & Round Table Discussion (Presidential Quarters & Virginia Rooms, Level 3)

Interested in meeting and talking with fellow attendees about topics of mutual interest? Join for the lunchtime Roundtable Discussion Event, which will match up trainees for some informal horizontal networking and discussion oriented around a single topic (e.g., social neuroscience, neuromarketing). Topics and sign-ups will be determined via an attendee survey.

13:35-15:05 Symposia I Features and functions of intrinsic rewards

Sponsored by:



Rotman School of Management
UNIVERSITY OF TORONTO

Chair: **Bastien Blain**, University College London

S.01.01: Intrinsic rewards: Domain General Mechanism & Responses

Bastien Blain¹, India Pinhorn¹, Tali Sharot²

¹UCL, ²UCL Institute of Neurology

S.01.02: Neural computation underlying aesthetic experience

Kiyohito Iigaya¹, Sanghyun Yi², Iman Wahle², Koranis Tanwisuth², John O'Doherty²

¹Columbia University, ²Caltech

S.01.03: The intrinsic reward of sensory experiences

Aenne Briellmann¹, Max Berentelg², Peter Dayan²

¹Max-Planck Institute for Biological Cybernetics, ²Max-Planck Institute for Biological Cybernetics; University of Tuebinge

S.01.04: The pursuit of happiness: A reinforcement learning perspective on habituation and comparisons

Rachit Dubey¹, Tom Griffiths¹, Peter Dayan²

¹Princeton University, ²Max Planck Institute for Biological Cybernetics

15:05-15:35 Poster Spotlights II

Chair: **David Redish**, University of Minnesota

PS.02.01: Continuous Tracking of Perceptual and Value-Based Evidence

Minhee Yoo¹, Giwon Bahg², Brandon Turner¹, Ian Krajbich¹

¹The Ohio State University, ²Vanderbilt University

PS.02.02: Gaze and choice dynamics in decisions with interacting attributes

Xiaozhi Yang¹, Wenjia Zhao¹, Lisheng He², Sudeep Bhatia³, Ian Krajbich¹

¹The Ohio State University, ²Shanghai International Studies University, ³University of Pennsylvania

PS.02.03: The impact of overall value on preferential and perceptual choices

Chih-Chung Ting¹, Sebastian Gluth¹

¹University of Hamburg

PS.02.04: Testing the optimisation hypothesis by tracking changes in decision strategy in a reward maximisation

Erik Stuchlý¹, Casimir Ludwig², Gaurav Malhotra¹

¹University of Hamburg, ²University of Bristol

PS.02.05: Revealing the time-course of Pavlovian-instrumental conflict using mouse-tracking and drift diffusion modeling

Hoyoung Doh¹, Yunseo Jeong², Harhim Park¹, Daeyeol Lee³, Woo-Young Ahn¹
¹Seoul National University, ²The Catholic University of Korea, ³Johns Hopkins University

PS.02.06: Identifying a signature of delay discounting using machine-learning applied to whole-brain cortical structure

Valérie Godefroy¹, Marie-Christine Simon², Bernd Weber², Leonie Koban³, Hille Plassmann¹
¹Paris Brain Institute / INSEAD, ²University of Bonn, ³Paris Brain Institute

PS.02.07: Reward-Dependent Corticostriatal Connectivity: A Meta-analysis of Psychophysiological Interactions

Jeffrey Dennison¹, Fatima Umar¹, Avi Dachs¹, David Smith¹
¹Temple University

15:35-17:00

Poster Session 02

A full list of posters can be found on pages 17-19

17:00-18:00

The Fred Kavli Plenary Lecture

Gut Feelings

Dana Small, Yale University

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Optimal decision making in a changing environment requires evidence accumulation. Typically, this evidence is amassed from the external environment. Within this framework unconditioned rewards are encapsulated within the outcome of an action, for example, the consumption of the food and the oral sensation simultaneously evoked. Tens of thousands of experiments on reinforcement learning are based on this premise, which largely rely on evidence accumulation from the external environment without regard for internally generated signals. However, here it will be argued that evidence must also be accumulated from the internal milieu and a revised view of food reinforcement learning will be presented that is based upon the integration of external and internal sources of evidence accumulation. Specifically, emerging work from our and other laboratories demonstrates that the critical signals underlying food reinforcement are generated during nutrient metabolism and are conveyed outside of conscious awareness to the brain to modulate dopamine release and support learning. According to this view, conscious oral sensations serve as both outcomes (e.g., the red strawberry is sweet as expected) and predictions (e.g., X amount of sweetness predicts X amount of glucose), enabling the formal integration of conscious and unconscious nutrient sensing. Further, the system is not singular, but rather multivariate with different sources of energy (e.g., fat vs. glucose) signaling through distinct pathways that can interact to potentiate reinforcement and thereby promote intake variety. These body – brain circuits also adapt overtime time to tune perception, metabolism and learning to a changing food environment.

18:30-19:00

Transport to Dinner

19:00-22:00

All Attendee Dinner

Location: Tony & Joes Seafood Place

3000 K St NW, Washington, D.C., DC 20007, United States

SUNDAY, OCTOBER 2

08:45-09:00

Morning Announcements

Lesley Fellows, SNE President

Join us for the Early Career Award presentations, the Society Board Election Results and other Society information.

09:00-10:30

Session III Learning & Decision Making

Chair: Anna Konova, Rutgers University

O.03.01: The neural dynamics associated with computational complexity

Juan Pablo Franco¹, Peter Bossaerts¹, Carsten Murawski¹

¹University of Melbourne

O.03.02: A Neural Autopilot Theory of Habit: Evidence from Canned Tuna

Colin Camerer¹, Peter Landry², Matthew Osbourne², Ryan Webb², Clarice Zhao³

¹CalTech, ²University of Toronto, ³McGill University

O.03.03: Uncertainty alters the balance between incremental learning and episodic memory

Jonathan Nicholas¹, Nathaniel Daw², Daphna Shohamy¹

¹Columbia University, ²Princeton University

O.03.04: Reduced certainty preference after solving problems with insight versus analysis

Yuhua Yu¹, Carola Salvi², Mark Beeman¹

¹Northwestern University, ²University of Texas at Austin

10:30-10:50 **Tea & Coffee Break**

10:50-12:20 **Session IV Self and Other**

Chair: **Amitai Shenhav**, Brown University

O.04.01: Is Social Decision-Making linked to the Gut Microbiome?

Marie Falkenstein¹, Marie-Christine Simon², Aakash Mantri², Leonie Koban¹, Hilke Plassmann³

¹Paris Brain Institute (ICM), INSERM, CNRS, Sorbonne Université, ²Universität Bonn, ³INSEAD, Paris Brain Institute

O.04.02: Neuroforecasting Online Dating: Deconstructing Aggregate Choice Forecasting From Small Samples Using

Steven Shaw¹, Vinod Venkatraman², Carolyn Yoon¹

¹University of Pennsylvania, ²Temple University

O.04.03: Damage to ventromedial prefrontal cortex decreases effortful prosocial behaviours

Jo Cutler¹, Matthew Apps¹, Daniel Drew², Deva Jeyaretna², Masud Husain², Sanjay Manohar², Patricia Lockwood¹

¹University of Birmingham, ²University of Oxford

O.04.04: Listen to yourself: An fMRI study of motivational interviewing effects on dietary decision-making

Belina Rodrigues¹, Martine Rampanana¹, Solène Frileux¹, Iraj Khalid¹, Liane Schmidt¹

¹Paris Brain Institute - ICM (Institut du Cerveau (ICM), UMR 7225, U1127, Institut National de la Sa

12:20-13:20 **Buffet Lunch & Career Path Session** (Presidential Quarters & Virginia Rooms, Level 3)

Chair: Tali Sharot, University College London

Speaker: Michael Platt, University of Pennsylvania

13:20-14:50 **Symposia II Biases across different timescales, species, and behavioral paradigms**

Chair: **Weikang Shi**, Washington University

S.02.01: Neuronal origins of reduced accuracy and biases in economic choices under sequential offers

Weikang Shi¹, Sébastien Ballesta¹, Camillo Padoa-Schioppa¹

¹Washington University in St. Louis

S.02.02: History-dependent biases compete with evidence by shifting the prior of the choice options

Thomas Luo¹, Diksha Gupta¹, Verity Elliott¹, Carlos Brody¹

¹Princeton University

S.02.03: Neural correlates of social decision-making biases in younger and older adults

Camilla van Geen¹, Michael Cohen¹, Karolina Lempert², Kameron MacNear³, Frances Reckers¹, Laura Zaneski¹, David Wolk¹, Joseph Kable¹

¹University of Pennsylvania, ²Adelphi University, ³University of Illinois -- Urbana Champaign

S.02.04: Long-term regularities of reward environment impact learning and choice behaviors in mice and monkeys

Jae Hyung Woo¹, Bilal Bari², Ken-Ichiro Tsutsui³, Fabian Grabenhorst³, Jeremiah Cohen², Wolfram Schultz³, Alireza Soltani¹

¹Dartmouth College, ²The Johns Hopkins University School of Medicine, ³University of Cambridge

14:50-15:20

Poster Spotlights III

Chair: **Karolina Lempert**, Adelphi University

PS.03.01: The social brain: Domain-general contributions to decision making?

Claire Lugin¹, Arkady Konovalov¹, Christian Ruff¹

¹University of Zurich

PS.03.02: Conforming to generous vs. selfish group norms during charitable donations: an fMRI study of the moderating role of internalized social values

Paloma Diaz-Gutierrez¹, Christophe Boone¹, Harshil Vyas¹, Carolyn Declerck¹

¹Universiteit Antwerpen

PS.03.03: Emergence of Probability Weighting in the Choice Circuit

Marcin Penconek¹

¹University of Warsaw

PS.03.04: Honesty sometimes decreases cooperation in Prisoner's Dilemma games with communication

Abdelaziz Alsharawy¹, Eric Bahel², Sudipta Sarangi², Sheryl Ball²

¹Princeton University, ²Virginia Tech

PS.03.05: Split In Probability Weights - Scarcity, Cognitive Load And Tunnelling

Suvarna Pande¹

¹University of East Anglia

PS.03.06: Cognitive Effort Discounting in Adolescents: Evaluating the Role of ADHD in Effort-Based Decision Making

Deborah Sevigny-Resetto¹, Joel T. Nigg¹, Suzanne Mitchell¹

¹Oregon Health and Science University

15:20-16:45

Poster Session 03

A full list of posters can be found on pages 19-21

Poster Sessions

ABOUT THE POSTER SESSION

The Society for NeuroEconomics is pleased to present a wide range of current research through the poster sessions. The posters have been divided over three sessions, with each session on display for one day.

Session 1: **Friday, September 30, 2022**
14:10 - 15:35

Session 2: **Saturday, October 1, 2022**
15:35 - 17:00

Session 3: **Sunday, October 2, 2022**
15:20 - 16:45

The poster board numbers work in the following way:

Poster Session – Theme – Board Number (ex. P1-A-1)

The poster board numbers work in the following way:

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POSTER THEMES

- A** Finance
- B** Consumer Behavior & Marketing
- C** Game Theory & Strategic Interactions
- D** Risk & Uncertainty
- E** Intertemporal Decision-Making & Self-Control
- F** Social Behaviour
- G** Individual & Lifespan Differences
- H** Learning & Memory
- I** Valuation & Decision Making
- J** Emotion
- K** Attention
- L** Methodological Development

Poster Session 1

FRIDAY, SEPTEMBER 30

A - FINANCE

P1-A-1 The Effect of Time Pressure on Skewed Gambling Preference across Adulthood

Christopher Garza¹, Harold Robinson¹, Sreeya Reedy¹, Kendra Seaman¹

¹University of Texas at Dallas

B - CONSUMER BEHAVIOR & MARKETING

P1-B-3 A rational account of the repulsion effect

Rahul Bhui¹, Yang Xiang¹

¹MIT

P1-B-4 Emotional lability relates to adaptive learning across environmental contexts

Sophie Paolizzi¹, Michael Hallquist¹

¹University of North Carolina at Chapel Hill

P1-B-5 Early and late neural components distinguish expectation formation and outcome processing

Matthew Bachman¹, Kaya Scheman², René San Martín³, Marty Woldorff⁴, Scott Huettel⁴

¹University of Toronto, Scarborough, ²National Institute of Health, ³Universidad Diego Portales, ⁴Duke University

P1-B-6 Searching for Happiness: How Web-Browsing Patterns are Related to Wellbeing

Christopher Kelly¹, Tali Sharot¹

¹University College London

P1-B-7 Representations of Flexible Cognitive Maps for Value-based Decision-Making

Sarah Sweigart¹, Seongmin Park¹, Nam Nguyen¹, Charan Ranganath¹, Erie Boorman¹

¹University of California, Davis

P1-B-8 Expectation-dependent evidence evaluation in legal decision-making

Seth Madlon-Kay¹, Artemis Malekpour, David Ball, Donald Beskind¹, Pate Skene², John Pearson¹

¹Duke University, ²University of Colorado Boulder

C - GAME THEORY & STRATEGIC INTERACTIONS

P1-C-11 Neural signatures of socioemotional processing relate to persistence of false accusations against novel political candidates

Michael Cohen¹, Victoria Halewicz², Joseph Kable¹

¹University of Pennsylvania, ²Brown University

P1-C-12 Neural Evidence for Conflicting Motives That Guide Cooperation

Arkady Konovalov¹, Claire Lugrin¹, Christian Ruff¹

¹University of Zurich

D - RISK & UNCERTAINTY

P1-D-13 Peripheral visual information halves attentional choice biases

Brenden Eum¹, Stephanie Dolbier², Antonio Rangel¹

¹Caltech, ²UCLA

P1-D-14 Does social-self threat increase the preference for status goods?

Felix Nitsch¹, Zsolia Margittai², Gideon Nave³, David Dubois¹, Tobias Kalenscher², Hilke Plassmann¹

¹INSEAD Business School, ²Heinrich-Heine-University Düsseldorf, ³The Wharton School, University of Pennsylvania

P1-D-15 Mechanisms for solving the explore-exploit tradeoff in the human dorsal stream

Michael Hallquist¹, Kai Hwang², Beatriz Luna³, Alexandre Dombrovski³

¹University of North Carolina, ²University of Iowa, ³University of Pittsburgh

P1-D-16 Affect-Rich vs. Affect-Poor Risky Decision Making in Older and Younger Adults

Colleen Frank¹, Thorsten Pachur¹

¹University of Texas at Dallas

P1-D-17 Shared mechanisms underlying perceptual and value-based decision making

Aryan Yazdanpanah¹, Edurad Ort², Monja Froböse², Hannah Kurtenbach², Mohsen Rakhshan¹, Gerhard Jocham², Alireza Soltani¹

¹Dartmouth College, ²Heinrich Heine University

P1-D-18 Neural dynamics underlying divergent influences of reward and punishment on control allocation

Xiamin Leng¹, Romy Froemer¹, Amitai Shenhav¹

¹Brown University

E - INTERTEMPORAL DECISION-MAKING & SELF-CONTROL

P1-E-20 Neural activity partially mediates the influence of candidate smiling on voter endorsement

Dylan Christiano¹, Lester Tong¹, Golijeh Golarai¹, Brian Knutson¹

¹Stanford

P1-E-21 Neuroforecasting nature imagery impact on internet donations

Tara Srirangarajan¹, Nik Sawe¹, Tierney Thys², Brian Knutson¹

¹Stanford University, ²California Academy of Science

P1-E-22 Modeling Teacher Behavior in the Field Using Reinforcement Learning

Marcos Gallo¹, Benjamin Manning², Colin Camerer¹

¹California Institute of Technology, ²Massachusetts Institute of Technology

P1-E-23 Time Heals: A Trust Game Experiment of Anger

Kamyar Kamyar¹, Marco Palma², Ian Krajbich¹

¹The Ohio State University, ²Texas A&M University

P1-E-24 Neural circuits underlying the integration of reward and efficacy to determine the expected value of control

Romy Froemer¹, Joonhwa Kim¹, Mahalia Prater Fahey¹, Amitai Shenhav¹

¹Brown University

P1-E-25 Behavioral and Neural Alterations in Competitive Behavior in Depression

Zhuoya Cui¹, Lusha Zhu², Iris Vilares³, John Wang¹, Vansh Bansal¹, Pearl Chiu¹, Brooks King-Casas¹

¹Virginia Tech Fralin Biomedical Research Institute, ²Peking University, ³University of Minnesota

F - SOCIAL BEHAVIOUR

P1-F-26 Trait-like confidence: Participants' confidence ratings across a social, an emotional, and a perceptual task are positively correlated

Nathan Torunsky¹, Iris Vilares¹

¹University of Minnesota - Twin Cities

P1-F-27 Assessment of mental states in FITradeoff DSS steps with reference activities using EEG

Ana Paula Cabral Seixas Costa¹, Anderson Lucas Carneiro de Lima da Silva², Jefferson Souza Medeiros²

¹No., ²Universidade Federal de Pernambuco

P1-F-28 Flexible integration of cost and evidence during information sampling

Abigail Hsiung¹, John Pearson¹, Jia-Hou Poh¹, Shabnam Hakimi¹, R. Alison Adcock¹, Scott Huettel¹

¹Duke University

P1-F-29 Identifying latent motives of individual normative behavior

Claire Lugin¹, Jie Hu¹, Christian Ruff¹

¹University of Zurich

P1-F-30 Amygdala structural integrity is associated with social feedback-based learning in older adults

Karolina Lempert¹, Michael Cohen², Camilla van Geen², Frances Reckers², Kameron MacNear³, Laura Zaneski², Sandhitsu Das⁴, David Wolk⁴, Joseph Kable²

¹Adelphi University, ²University of Pennsylvania, ³University of Illinois Urbana-Champaign, ⁴Hospital of the University of Pennsylvania

G - INDIVIDUAL & LIFESPAN DIFFERENCES

P1-G-31 Changes in memory-guided decision-making underlie increased model-based planning across development

Nora Harhen¹, Aaron Bornstein², Catherine Hartley³

¹CCN Lab, ²University of California, Irvine, ³New York University

H - LEARNING & MEMORY

P1-H-32 Choice between multi-attribute and multi-modal uncertainties

Zeynep Enkavi¹, Gabriela Tavares¹, Antonio Rangel¹

¹Caltech

P1-H-34 Model based control can give rise to devaluation insensitive decisions

Neil Garrett¹, Sean Allan², Nathaniel Daw²

¹University of East Anglia, ²Princeton University

I - VALUATION & DECISION MAKING

P1-I-35 Investigating How Attentional Distractors Impact Value-Based Choices and Choice Processes

Deborah Cesarini¹, Matthew Bachman², Scott Huettel¹

¹Duke University, ²University of Toronto

P1-I-36 Developing Real-Time Surveillance for Mental Health Risk: A Machine Learning Model for Suicide Ideation Detection

Laurette Dubé¹, Jocelyne Whitehead², Jian-Yun Nie³

¹McGill, ²McGill University, ³Université de Montréal

P1-I-37 fmri.factory: An R package for facilitating model-based fMRI analysis on high-performance computing clusters

Michael Hallquist¹

¹University of North Carolina at Chapel Hill

P1-I-38 Ventral Tegmental Area and The Hippocampus Differentially Track Reward Prediction Errors in a Reinforcement Learning Task

Aysenur Okan¹, Alexandre Dombrovski², Michael Hallquist¹
¹The University of North Carolina at Chapel Hill, ²University of Pittsburgh

P1-I-39 Assessing the Relationship between the Human Learned Helplessness Depression Model and Anhedonia

Xin Song¹, Iris Vilares¹
¹University of Minnesota, Twin Cities

L - METHODOLOGICAL DEVELOPMENT

P1-L-40 Computational mechanisms underlying learning and recalling of trustworthy partners

Gabriele Bellucci¹, Peter Dayan¹
¹Max-Planck-Institute for Biological Cybernetics

Poster Session 2

SATURDAY, OCTOBER 1

A - FINANCE

P2-A-41 Investors' brain activity relates to future stock market performance

Leo van Brussel¹, Ale Smidts¹, Roeland Dietvorst², Maarten Boksem¹
¹Erasmus University Rotterdam, ²NN Investment Partners

B - CONSUMER BEHAVIOR & MARKETING

P2-B-42 Testing the optimisation hypothesis by tracking changes in decision strategy in a reward maximisation task

Erik Stuchlý¹, Casimir Ludwig², Gaurav Malhotra¹
¹University of Hamburg, ²University of Bristol

P2-B-43 Is Responsiveness to Food Marketing Linked to Metabolic Health and Biological Markers of Decision-Making (Serotonin)?

Shemal Doshi¹, Yann Cornil, Pierre Chandon¹, Leonie Koban¹, Marie Christine Falkenstein¹, Bernd Weber¹, Marie-Christine Simon¹, Hilke Plassmann¹
¹INSEAD

P2-B-44 Inter-Individual Neural Similarity of Automobile Brands Predicts Brand Recall and Is Explained by Brand Personality

Jin Ho Yun¹, Michael Platt¹, Feng Sheng²
¹University of Pennsylvania, ²Zhejiang University

C - GAME THEORY & STRATEGIC INTERACTIONS

P2-C-45 Identifying a signature of delay discounting using machine-learning applied to whole-brain cortical structure

Valérie Godefroy¹, Marie-Christine Simon², Bernd Weber², Leonie Koban³, Hilke Plassmann¹
¹Paris Brain Institute / INSEAD, ²University of Bonn, ³Paris Brain Institute

P2-C-46 Revealing the time-course of Pavlovian-instrumental conflict using mouse-tracking and drift diffusion modeling

Hoyoung Doh¹, Yunseo Jeong², Harhim Park¹, Daeyeol Lee³, Woo-Young Ahn¹
¹Seoul National University, ²The Catholic University of Korea, ³Johns Hopkins University

P2-C-47 Continuous Tracking of Perceptual and Value-Based Evidence

Minhee Yoo¹, Giwon Bahg², Brandon Turner¹, Ian Krajbich¹
¹The Ohio State University, ²Vanderbilt University

P2-C-48 Neural Correlates of Emergent Prosocial Behavior During Dynamic Human Group Formation

Wojciech Zajkowski¹, Wojciech Zajkowski², Masahiko Haruno³, Rei Akaishi²
¹RIKEN Institute, ²RIKEN Center for Brain Science, ³The Center for Information and Neural Networks

D - RISK & UNCERTAINTY

P2-D-49 Central EEG beta/alpha ratio predicts the population-wide efficiency of advertisements

Andrew Kislov¹
¹Institute of Cognitive Neuroscience, Higher School of Economics

P2-D-50 Influence of Distinct Motives on the Moral Judgment of Broken Promises in the Workplace

Deborah Cesarini¹, Emily Nakkawita², E. Tory Higgins²
¹Duke University, ²Columbia University

P2-D-51 The Effect of Ad Hoc Category Construction on Purchase Intention: An FNIRS Study

Jasmine Chan¹, Terrence Barnhardt¹, Teresa Wilcox¹
¹Florida Atlantic University

P2-D-52 Gaze and choice dynamics in decisions with interacting attributes

Xiaozhi Yang¹, Wenjia Zhao¹, Lisheng He², Sudeep Bhatia³, Ian Krajbich¹
¹The Ohio State University, ²Shanghai International Studies University, ³University of Pennsylvania

P2-D-53 The impact of overall value on preferential and perceptual choices

Chih-Chung Ting¹, Sebastian Gluth¹
¹University of Hamburg

P2-D-54 Reward-Dependent Corticostriatal Connectivity: A Meta-analysis of Psychophysiological Interactions

Jeffrey Dennison¹, Fatima Umar¹, Avi Dachs¹, David Smith¹
¹Temple University

P2-D-56 Bayesian-Optimality of Decision-Making Behavior within Sensorimotor and Visual Search Contexts

Mathi Manavalan¹, Iris Vilares¹
¹University of Minnesota - Twin Cities

P2-D-57 Decoupling Learning Strategies for Repeated Outcomes with Temporal Uncertainty

Sean Maulhardt¹, Alec Solway¹
¹University of Maryland

P2-D-58 Known probability information influences how adolescents respond to ambiguity

Natalie Melville¹, Flora Li², Sheryl Ball³, Jungmeen Kim-Spoon³, Pearl Chiu¹, Brooks King-Casas¹
¹Fralin Biomedical Research Institute at VTC, Virginia Tech, ²Nanjing Audit University, ³Virginia Polytechnic Institute and State University

E - INTERTEMPORAL DECISION-MAKING & SELF-CONTROL

P2-E-59 Failure to capture excessive demand: A fundamental flaw that limits the applicability of neoclassical economics

John Haracz¹
¹Indiana University

P2-E-60 Neural indices of imagination are associated with patience in intertemporal decisions on behalf of others

Ekaterina Goncharova¹, Adrianna Jenkins¹
¹University of Pennsylvania

F - SOCIAL BEHAVIOUR

P2-F-61 Individual differences in extrastriatal dopamine D2-like receptors shape strategic social learning

Jaime Castrellon¹, Jennifer Crawford², Ming Hsu³, Gregory Samanez-Larkin¹
¹Duke University, ²Washington University in St. Louis, ³University of California, Berkeley

P2-F-62 Self-reported intolerance of uncertainty, but not economic uncertainty tolerance, predicts COVID-related stress and resiliency

Aysu Secmen¹, Alexandra Mellis², Paul Julius Silver², Candace Raio³
¹New York School of Medicine, ²New York University School of Medicine, ³NYU

P2-F-63 Sleep duration predicts risk preferences

Eve (Zih-Yun) Yan¹, Paul Glimcher¹
¹New York University

P2-F-64 Effects of Social Context on Reward-based Learning

Ham Huang¹, Adrianna Jenkins²
¹UC Berkeley, ²University of Pennsylvania

P2-F-65 Heterogeneity in strategy use during arbitration between observational and experiential learning

Caroline Charpentier¹, Seokyoung Min¹, John O'Doherty¹
¹California Institute of Technology

P2-F-66 Framing influences donation behavior by altering the process and timing of information acquisition

Nitisha Desai¹, Scott Huettel¹
¹Duke University

G - INDIVIDUAL & LIFESPAN DIFFERENCES

P2-G-67 Novelty and uncertainty differentially drive exploration across development

Kate Nussenbaum¹, Rebecca Martin¹, Sean Maulhardt¹, Yi (Jen) Yang¹, Greer Bizzell-Hatcher¹, Naiti Bhatt¹, Maximilian Scheuplein¹, Gail Rosenbaum¹, John O'Doherty², Jeffrey Cockburn², Catherine Hartley¹
¹New York University, ²Caltech

H - LEARNING & MEMORY

P2-H-68 Computations of rewards and punishments in learning and decision-making within and between individuals

Chelsea Xu¹, Ifat Levy¹
¹Yale University

P2-H-70 Creative explanations and knowledge networks

Kara Kedrick¹, Iris Vilares¹, Paul Schrater¹
¹University of Minnesota

I - VALUATION & DECISION MAKING

P2-I-71 Neural mechanisms of risky choice when learning from description and experience

Elizabeth Beard¹, Jason Chein¹, Vinod Venkatraman¹
¹Temple University

P2-I-72 Deconstructing neural predictors of risky choice: Convergent, replicable, and generalizable evidence for distinct neural circuits predicting risk seeking versus avoidant choices

Leili Mortazavi, Charlene Wu¹, Elnaz Ghasemi¹, Brian Knutson¹
¹Stanford University

P2-I-73 Neurobiomarkers of Laboratory and Real-World Dietary Success

Rémi Janet¹, John-Dennis Parsons¹, Cendri Hutcherson¹, Hilke Plassmann¹, Anita Tusche¹
¹Neuroeconomics laboratory, Queens university

P2-I-74 SEF encodes temptation-modulated value signals to guide behavior during intertemporal choice requiring self-control

Ka Eun Lee¹, Jaewon Hwang¹, Veit Stuphorn¹
¹Johns Hopkins University

P2-I-75 Examining the role of perspective taking in prosocial and intertemporal choices using intermittent theta-burst stimulation

Kenji Kobayashi¹, Heather Robinson¹, Victoria Halewicz¹, Hannah Long¹, Theodore Satterthwaite¹, Desmond Oathes¹, Joseph Kable¹

¹University of Pennsylvania

P2-I-76 Choosing Well: Testing the Efficiency of Neural Value Coding

Vered Kurtz-David¹, Vinayak Alladi², Stefan Bucher³, Kenway Louie¹, Adam Brandenburger⁴, Ambuj Dewan¹, Paul Glimcher¹, Agnieszka Tymula²

¹New York University, ²University of Sydney, ³University of Tübingen and Max Planck Institute for Biological Cybernetics, ⁴New York University and NYU Shanghai

P2-I-77 The neurocomputational basis of ToM when the self knows more than the other

Wenning Deng¹, Giovanni Gentile², Dean Mobbs², Antonio Rangel²

¹California Institute of Technology, ²California Institute of Technology

P2-I-78 Pupil size anticipates exploration and predicts disorganization in prefrontal cortex

Akram Shourkeshti¹, Gabriel Marrocco¹, Tirin Moore², Becket Ebitz¹

¹University of Montreal, ²Stanford University

P2-I-79 On the reliability of individual economic rationality measurements

Felix Nitsch¹, Luca Lüpken², Nils Lüscho², Tobias Kalenscher²

¹INSEAD Business School, ²Heinrich-Heine University Düsseldorf

P2-I-80 Brain mechanisms underlying metacognition in decision making

Georgia Eleni Kapetanidou¹, Marius Moisa², Christian Ruff², Philippe Tobler², Alexander Soutschek¹

¹Ludwig Maximilian University Munich, ²University of Zurich

Poster Session 3

SUNDAY, OCTOBER 2

A - FINANCE

P2-I-81 A normalization mechanism in human multi-attribute choice

Giulia Mezzadri¹, Silvio Ravaioli², Michael Woodford¹

¹Columbia University, ²Cornerstone Research

P3-A-82 Dopamine-Revealed Preference and Beliefs over Resolving Uncertainty

Stefan Bucher¹, Peter Dayan¹

¹Max Planck Institute for Biological Cybernetics

B - CONSUMER BEHAVIOR & MARKETING

P3-B-83 Inter-Individual Neural Similarity of Automobile Brands Predicts Brand Recall and Is Explained by Brand Personality

Jin Ho Yun¹, Michael Platt¹, Feng Sheng²

¹University of Pennsylvania, ²Zhejiang University

D - RISK & UNCERTAINTY

P3-D-84 Functional dissociations of human absolute versus relative confidence signals in ventral versus dorsal prefrontal networks during instrumental-learning

Chih-Chung Ting¹, Stefano Palminteri², Jan Engelmann³, Maël Lebreton⁴

¹University of Hamburg, ²INSERM / École Normale Supérieure,

³University of Amsterdam, ⁴Paris School of Economics

P3-D-85 Are there behavioral hallmarks of configural and elemental evaluation in multi-attribute decision-making?

Juliette Ryan-Lortie¹, Gabriel Pelletier¹, Matthew Pilgrim², Lesley Fellows¹

¹McGill University, ²The University of Southern California

P3-D-86 Neuroscience study of the impact of the knowledge degree on the decision process with FITradeoff

Anderson Lucas Carneiro de Lima da Silva¹, Ana Paula Cabral Seixas Costa¹, André Marques Cavalcanti¹

¹Universidade Federal de Pernambuco

P3-D-87 Honesty sometimes decreases cooperation in Prisoner's Dilemma games with communication

Abdelaziz Alsharawy¹, Eric Bahel², Sudipta Sarangi², Sheryl Ball²

¹Princeton University, ²Virginia Tech

P3-D-88 Emergence of Probability Weighting in the Choice Circuit

Marcin Penconek¹

¹University of Warsaw

P3-D-89 Split In Probability Weights - Scarcity, Cognitive Load And Tunnelling

Suvarna Pande¹

¹University of East Anglia

P3-D-90 The social brain: Domain-general contributions to decision making?

Claire Lugrin¹, Arkady Kononov¹, Christian Ruff¹

¹University of Zurich

P3-D-91 Conforming to generous vs. selfish group norms during charitable donations: an fMRI study of the moderating role of internalized social values

Paloma Diaz-Gutierrez¹, Christophe Boone¹, Harshil Vyas¹, Carolyn Declerck¹

¹Universiteit Antwerpen

P3-D-92 Cognitive Effort Discounting in Adolescents: Evaluating the Role of ADHD in Effort-Based Decision Making

Deborah Seivigny-Resetcio¹, Joel T. Nigg¹, Suzanne Mitchell¹

¹Oregon Health and Science University

P3-D-93 Surprising sounds increase risk taking and decrease choice perseveration

Gloria Feng¹, Robb Rutledge¹

¹Yale University

P3-D-94 Effect of skewness on risky decision making in a visual performance task

Galston Wong¹, Aarif Fayyaz¹, Sejal Rahi¹, Kendra Seaman¹

¹The University of Texas at Dallas

P3-D-95 Distinct Effects of Aging on Risk Tolerance and Risk-taking Behavior in Old Adults

Joy Rao¹, Peng Quan², Ally Fu³, Yuting Zhu⁴, Xinyu Hou⁴, Yi Yang⁴, Jianghong Liu⁴

¹Lower Merion High School, ²University of Pennsylvania Perelman School of Medicine, ³George School, ⁴University of Pennsylvania School of Nursing

P3-D-96 Linguistic markers of momentary mood dynamics during risky decision-making

Jihyun Hur¹, Jutta Joormann¹, Robb Rutledge¹

¹Yale University

E - INTERTEMPORAL DECISION-MAKING & SELF-CONTROL

P3-E-97 Hidden Markov modeling of the cognitive process in strategic thinking

Xiaomin Li¹, Thomas Henning¹, Colin Camerer¹

¹Caltech

P3-E-98 Dissociation between improved performance and metacognition in observational learning

David Aguilar-Lleyda¹, Wojciech Zajkowski¹, Rei Akaishi¹

¹RIKEN Center for Brain Science

P3-E-99 Delay discounting beyond decision-making: Delay discounting steepness as a modulator in delayed-reward pursuing

Yang Xu¹, Yachao Rong¹, Ping Wei¹

¹Capital Normal University

F - SOCIAL BEHAVIOUR

P3-F-100 On the Resource-Rationality of the Description-Experience Gap

Ardavan S. Nobandegani¹, Thomas R. Shultz¹, Laurette Dubé¹

¹McGill University

P3-F-101 Gender differences and heritability in reference points

Agnieszka Tymula¹, Nathan Kettlewell², Xueting Wang³, Jonathan Levy¹

¹University of Sydney, ²University of Technology Sydney, ³RMIT

P3-F-102 Uncertainty aversion predicts the neural expansion of semantic representations

Marc-Lluís Vives¹, Daantje de Bruin², Apoorva Bhandari¹, Jeroen van Baar¹, Oriel FeldmanHall¹

¹Brown University, ²Department of Cognitive, Linguistic & Psychological Sciences Brown University

P3-F-104 Examining the associations between past and present socioeconomic status and social, temporal, and risky decisions

Christian Benitez¹, Joseph Kable¹

¹University of Pennsylvania

P3-F-105 Ventromedial prefrontal cortex lesions disrupt learning to gain prosocial rewards

Margot Gueguen¹, Jo Cutler², Daniel Drew³, Matthew Apps², Deva Jeyaretna³, Masud Husain³, Sanjay Manohar³, Patricia Lockwood²

¹University of Birmingham, ²University of Birmingham, University of Oxford, ³University of Oxford

P3-F-106 A computational view on the gender differences of self-other moral conflict

Sebastian Speer¹, Judit Campdepadrós Barrios², Christian Keysers², Valeria Gazzola²

¹University of Princeton, ²University of Amsterdam

P3-F-107 Deciding when to help others depends on the expected value of the environment

Todd Vogel¹, Luke Priestley², Jo Cutler¹, Nima Khalighinejad², Neil Garrett³, Matthew Apps¹, Matthew Rushworth², Patricia Lockwood¹

¹University of Birmingham, ²University of Oxford, ³University of East Anglia

P3-F-108 Assessing social forward planning reliably across in-person, web-based, and mobile app-based platforms

Shawn Rhoads¹, Matthew Schafer¹, Soojung Na¹, Matthew Heflin¹, Daniella Schiller¹, Xiaosi Gu¹

¹Icahn School of Medicine at Mount Sinai

G - INDIVIDUAL & LIFESPAN DIFFERENCES

P3-G-109 Disentangling the Motivation to Exert Cognitive Control in Depression

Mahalia Prater Fahey¹, Laura Bustamante², Ivan Grahek¹, Johanne Solis³, Temitope Oshinowo², Elizabeth Tong²,

Jeremy Lee², Allison Burton², Anna Konova³, Nathaniel Daw², Jonathan Cohen², Amitai Shenhav¹

¹Brown University, ²Princeton University, ³Rutgers University

H - LEARNING & MEMORY

P3-H-110 Evidence for distinct and opposing value normalization circuits in human BOLD signals

Bo Shen¹, Kenway Louie¹, Paul Glimcher¹

¹New York University

P3-H-111 Distinct contributions of perceptual and reward processes to choice errors and decision confidence

Justin Buck¹, Dalina Serrano, Anastasia Velikovskaya¹, Guillermo Horga¹

¹Columbia University

I - VALUATION & DECISION MAKING

P3-I-112 Influence of imagining the future on time discounting across the adult lifespan

Eric Juarez¹, Joanna Salerno¹, Addison Troutman¹, Masiel Perez-Balaguer¹, Roberto Cabeza¹, Gregory Samanez-Larkin¹

¹Duke University

P3-I-113 Representing and Predicting Individual Variations in Third-Party Intervention in Injustice with Endogenous Neural Patterns

Yancheng Tang¹, Yang Hu², Xiaolin Zhou²

¹Shanghai International Studies University, ²East China Normal University

**P3-I-114 Challenges in fMRI-based Lie Detection:
“Heterogeneous Neural Correlates**

Sangil Lee¹, Lusha Zhu², Pearl Chiu³, Brooks King-Casas³,
Andrew Kayser⁴, Ming Hsu¹

¹University of California, Berkeley, ²Peking University, ³Virginia Tech,
⁴University of California, San Francisco

**P3-I-115 Changing the Incentive Structure of Social Media
Platforms to Halt the Spread of Misinformation**

Laura Globig¹, Nora Holtz², Tali Sharot¹

¹University College London, ²Humboldt University of Berlin

**P3-I-117 Older and Wiser? Young Adults and Seniors
Respond Differently to Social Context in an Ultimatum Game**

Rita Ludwig¹, Jeff Dennison¹, Katherine Hackett¹,
Tania Giovannetti¹, Dominic Fareri², David Smith¹

¹Temple University, ²Adelphi University

**P3-I-118 Constrained representations of numerical
magnitudes**

Arthur Prat-Carrabin¹, Michael Woodford¹

¹Columbia University

**P3-I-119 Using Neurocognitive Mediation Analysis to
Investigate Spectral Dynamics of Evidence Accumulation
Across Domains**

Kianté Fernandez¹, Michael Nunez², Ian Krajbich¹

¹The Ohio State University, ²University of Amsterdam

**P3-I-120 Neurocomputational determinants of dietary
behavior in obesity**

Joseph Heng¹, Chloé Joray², Désirée Popelka¹, Lia Bally²,
Rafael Polania¹

¹ETHZ, ²University Hospital and University of Bern

**P3-J-121 Momentary happiness depends on state-value
prediction errors during learning**

Chang-Hao Kao¹, Olivia Jorasch¹, Samuel McDougale¹,
Robb Rutledge¹

¹Yale University

**P3-L-122 Cost or confidence: why do we avoid making
decisions for others?**

Sherry Dongqi Bao¹, Micah Edelson¹, Todd Hare¹

¹University of Zurich

**P3-I-123 Distinct neural dynamics underpin competing
subjective experiences of value-based choice**

Romy Froemer¹, Amitai Shenhav¹

¹Brown University

Poster Author Index

AUTHOR	POSTER NUMBERS
Adcock, R. Alison	P1-F-28
Aguilar-Lleyda, David	P3-E-98
Ahn, Woo-Young	P2-C-46
Akaishi, Rei	P2-C-48, P3-E-98
Alladi, Vinayak	P2-I-76
Allan, Sean	P1-H-34
Alsharawy, Abdelaziz M	P3-D-87, P3-D-87
Apps, Matthew	P3-F-105, P3-F-107
Bachman, Matthew D	P1-B-5, P1-B-5, P1-I-35
Bahel, Eric	P3-D-87
Bahg, Giwon	P2-C-47
Ball, David	P1-B-8
Ball, Sheryl	P2-D-58, P3-D-87
Bally, Lia	P3-I-120
Bansal, Vansh	P1-E-25
Bao, Dongqi (Sherry)	P3-L-122
Bao, Sherry Dongqi	P3-L-122
Barnhardt, Terrence M	P2-D-51
Beard, Elizabeth	P2-I-71
Bellucci, Gabriele	P1-L-40
Benitez, Christian	P3-F-104, P3-F-104
Beskind, Donald H	P1-B-8
Bhandari, Apoorva	P3-F-102
Bhatia, Sudeep	P2-D-52
Bhatt, Naiti	P2-G-67
Bhui, Rahul	P1-B-3
Bizzell-Hatcher, Greer	P2-G-67
Boksem, Maarten	P2-A-41
Boone, Christophe	P3-D-91
Boorman, Erie D	P1-B-7
Bornstein, Aaron M	P1-G-31
Brandenburger, Adam	P2-I-76
Bucher, Stefan F	P2-I-76, P3-A-82
Buck, Justin	P3-H-111
Burton, Allison R	P3-G-109
Bustamante, Laura A	P3-G-109
Cabeza, Roberto	P3-I-112
Cabral Seixas Costa, Ana Paula	P1-F-27, P3-D-86
Camerer, Colin F	P1-E-22, P3-E-97
Campdepadrós Barrios, Judit	P3-F-106
Carneiro de Lima da Silva, Anderson Lucas	P1-F-27, P3-D-86
Castrellon, Jaime J	P2-F-61

AUTHOR	POSTER NO.
Cesarini, Deborah	P1-I-35, P2-D-50
Chan, Jasmine Y	P2-D-51
Chandon, Pierre	P2-B-43
Charpentier, Caroline J	P2-F-65
Chein, Jason	P2-I-71
Chiu, Pearl	P1-E-25, P2-D-58, P3-I-114
Christiano, Dylan P	P1-E-20
Cockburn, Jeffrey	P2-G-67
Cohen, Jonathan D	P3-G-109
Cohen, Michael S	P1-C-11, P1-F-30
Cornil, Yann	P2-B-43
Costa, Ana Paula	P1-F-27
Crawford, Jennifer L	P2-F-61
Cui, Zhuoya	P1-E-25
Cutler, Jo	P3-F-105, P3-F-107
Dachs, Avi	P2-D-54
Das, Sandhitsu R	P1-F-30
Daw, Nathaniel D	P1-H-34, P3-G-109
Dayan, Peter	P1-L-40, P3-A-82
de Bruin, Daantje	P3-F-102
Declerck, Carolyn H	P3-D-91
Deng, Wenning	P2-I-77
Dennison, Jeff	P3-I-117
Dennison, Jeffrey B	P2-D-54
Desai, Nitisha	P2-F-66
Dewan, Ambuj	P2-I-76
Diaz-Gutierrez, Paloma R	P3-D-91
Dietvorst, Roeland	P2-A-41
Doh, Hoyoung	P2-C-46
Dolbier, Stephanie	P1-D-13
Dombrowski, Alexandre Y	P1-D-15, P1-D-15
Doshi, Shemal S	P2-B-43
Drew, Daniel	P3-F-105
Dube, Laurette	P1-I-36, P3-F-100
Dubois, David	P1-D-14
Ebitz, Becket	P2-I-78
Edelson, Micah G	P3-L-122
Engelmann, Jan	P3-D-84
Enkavi, Zeynep	P1-H-32
Eum, Brenden	P1-D-13
Falkenstein, Marie Christine	P2-B-43
Fareri, Dominic	P3-I-117
FeldmanHall, Oriel	P3-F-102

AUTHOR	POSTER NO.
Fellows, Lesley K	P3-D-85
Feng, Gloria W	P3-D-93
Fernandez, Kianté A	P3-I-119
Frank, Colleen	P1-D-16
Froböse, Monja	P1-D-17
Froemer, Romy	P1-D-18, P1-E-24, P3-I-123
Fu, Ally A	P3-D-95
Gallo, Marcos	P1-E-22
Garrett, Neil	P1-H-34, P3-F-107
Garza, Christopher	P1-A-1
Gazzola, Valeria	P3-F-106
Genc, Yasemin	P3-I-116
Gentle, Giovanni	P2-I-77
Ghasemi, Elnaz	P2-I-72
Giovannetti, Tania	P3-I-117
Glimcher, Paul W	P2-F-63, P2-I-76, P3-H-110
Globig, Laura K	P3-I-115
Gluth, Sebastian	P2-D-53
Godefroy, Valérie	P2-C-45
Golarai, Golijeh	P1-E-20
Goncharova, Ekaterina Y	P2-E-60
Grahek, Ivan	P3-G-109
Gu, Xiaosi	P3-F-108
Gueguen, Margot	P3-F-105
Hackett, Katherine	P3-I-117
Hakimi, Shabnam	P1-F-28
Halewicz, Victoria	P1-C-11, P2-I-75
Hallquist, Michael N	P1-B-4, P1-D-15, P1-I-37
Haracz, John L	P2-E-59
Hare, Todd A	P3-L-122
Harhen, Nora	P1-G-31
Hartley, Catherine	P1-G-31, P2-G-67
Haruno, Masahiko	P2-C-48
He, Lisheng	P2-D-52
Heflin, Matthew	P3-F-108
Heng, Joseph A	P3-I-120
Henning, Thomas	P3-E-97
Higgins, E. Tory	P2-D-50
Holtz, Nora	P3-I-115
Horga, Guillermo	P3-H-111
Hou, Xinyu	P3-D-95
Hsiung, Abigail	P1-F-28
Hsu, Ming	P2-F-61, P3-I-114

AUTHOR	POSTER NUMBERS
Hu, Jie	P1-F-29
Hu, Yang	P3-I-113
Huang, Ham	P2-F-64
Huettel, Scott A	P1-B-5, P1-F-28, P1-I-35, P2-F-66
Hur, Jihyun K	P3-D-96
Husain, Masud	P3-F-105
Hutcherson, Cendri	P2-I-73
Hwang, Jaewon	P2-I-74
Hwang, Kai	P1-D-15
Janet, Rémi	P2-I-73
Jenkins, Adrianna C	P2-E-60, P2-F-64
Jeong, Yunseo	P2-C-46
Jeyaretna, Deva	P3-F-105
Jocham, Gerhard	P1-D-17
Joormann, Jutta	P3-D-96
Jorasch, Olivia D	P3-J-121
Joray, Chloé	P3-I-120
Juarez, Eric J	P3-I-112, P3-I-112
Julius Silver, Paul	P2-F-62
Kable, Joseph W	P1-C-11, P1-F-30, P2-I-75, P3-F-104
Kalenscher, Tobias	P1-D-14, P2-I-79
Kamyar, Kamyar	P1-E-23
Kao, Chang-Hao	P3-J-121
Kapetanidou, Georgia Eleni	P2-I-80
Kappes, Andreas	P3-I-116
Kayser, Andrew S	P3-I-114
Kedrick, Kara	P2-H-70
Kelly, Christopher A	P1-B-6
Kettlewell, Nathan	P3-F-101
Keysers, Christian	P3-F-106
Khalighinejad, Nima	P3-F-107
Kim, Joonhwa	P1-E-24
Kim-Spoon, Jungmeen	P2-D-58
King-Casas, Brooks	P1-E-25, P2-D-58, P3-I-114
Kislov, Andrew	P2-D-49
Knutson, Brian	P1-E-20, P1-E-21, P2-I-72
Koban, Leonie	P2-B-43, P2-C-45
Kobayashi, Kenji	P2-I-75
Konova, Anna	P3-G-109
Konovalov, Arkady	P1-C-12, P3-D-90
Krajbich, Ian	P1-E-23, P2-C-47, P2-D-52, P3-I-119
Kurtenbach, Hannah	P1-D-17
Kurtz-David, Vered	P2-I-76
Lebreton, Maël	P3-D-84
Lee, Daeyeol	P2-C-46

AUTHOR	POSTER NUMBERS
Lee, Jeremy	P3-G-109
Lee, Ka Eun	P2-I-74
Lee, Sangil	P3-I-114
Lempert, Karolina M	P1-F-30
Leng, Xiamin	P1-D-18
Levy, Ifat	P2-H-68
Levy, Jonathan	P3-F-101
Li, Flora	P2-D-58
Li, Xiaomin	P3-E-97
Liu, Jianghong	P3-D-95
Lockwood, Patricia L	P3-F-105, P3-F-107
Long, Hannah	P2-I-75
Louie, Kenway	P2-I-76, P3-H-110
Ludwig, Casimir J	P2-B-42
Ludwig, Rita M	P3-I-117
Lugrin, Claire	P1-C-12, P1-F-29, P3-D-90
Luna, Beatriz	P1-D-15
Lüpken, Luca M	P2-I-79
Lüschow, Nils	P2-I-79
MacNear, Kameron A	P1-F-30
Madlon-Kay, Seth	P1-B-8
Malekpour, Artemis	P1-B-8
Malhotra, Gaurav	P2-B-42
Manavalan, Mathi	P2-D-56
Manning, Benjamin	P1-E-22
Manohar, Sanjay	P3-F-105
Margittai, Zsafia	P1-D-14
Marques Cavalcanti, André	P3-D-86
Marrocco, Gabriel	P2-I-78
Martin, Rebecca	P2-G-67
Maulhardt, Sean R	P2-D-57, P2-G-67
McDougle, Samuel D	P3-J-121
Mellis, Alexandra	P2-F-62
Melville, Natalie	P2-D-58
Mezzadri, Giulia	P2-I-81
Min, Seokyoung	P2-F-65
Mitchell, Suzanne H	P3-D-92
Mobbs, Dean	P2-I-77
Moisa, Marius	P2-I-80
Moore, Tirin	P2-I-78
Mortazavi, Leili	P2-I-72
Na, Soojung	P3-F-108
Nakkawita, Emily	P2-D-50
Nave, Gideon	P1-D-14
Nazareth Gallo, Marcos F	P1-E-22
Nguyen, Nam A	P1-B-7
Nie, Jian-Yun	P1-I-36
Nigg, Joel T.	P3-D-92

AUTHOR	POSTER NUMBERS
Nitsch, Felix J	P1-D-14, P2-I-79
Nobandegani, Ardavan S.	P3-F-100
Nunez, Michael D	P3-I-119
Nussenbaum, Kate	P2-G-67
Oathes, Desmond J	P2-I-75
O'Doherty, John	P2-F-65, P2-G-67
Ort, Edurad	P1-D-17
Oshinowo, Temitope	P3-G-109
Pachur, Thorsten	P1-D-16
Palma, Marco	P1-E-23
Palminteri, Stefano	P3-D-84
Pande, Suvarna	P3-D-89
Paolizzi, Sophie	P1-B-4
Park, Harhim	P2-C-46
Park, Seongmin A	P1-B-7
Parsons, John-Dennis	P2-I-73
Pearson, John M	P1-B-8, P1-F-28
Pelletier, Gabriel	P3-D-85
Penconek, Marcin	P3-D-88
Perez-Balaguer, Masiel	P3-I-112
Pilgrim, Matthew	P3-D-85
Plassmann, Hilke	P1-D-14, P2-B-43, P2-C-45, P2-I-73
Platt, Michael L	P2-B-44, P3-B-83
Poh, Jia-Hou	P1-F-28
Polania, Rafael	P3-I-120
Popelka, Désirée	P3-I-120
Prat-Carrabin, Arthur	P3-I-118
Prater Fahey, Mahalia	P1-E-24, P3-G-109
Priestley, Luke	P3-F-107
Quan, Peng	P3-D-95
Raio, Candace M	P2-F-62
Rakhshan, Mohsen	P1-D-17
Ranganath, Charan	P1-B-7
Rangel, Antonio	P1-D-13, P1-H-32, P2-I-77
Rao, Hengyi	P3-D-95
Rao, Joy	P3-D-95
Ravaioli, Silvio	P2-I-81
Reckers, Frances M	P1-F-30
Reedy, Sreya	P1-A-1
Rhoads, Shawn A	P3-F-108
Robinson, Harold	P1-A-1
Robinson, Heather A	P2-I-75
Rong, Yachao	P3-E-99
Rosenbaum, Gail	P2-G-67
Ruff, Christian C	P1-C-12, P1-F-29, P2-I-80, P3-D-90
Rushworth, Matthew	P3-F-107

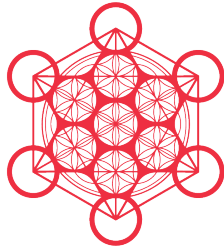
AUTHOR	POSTER NUMBERS
Rutledge, Robb B	P3-D-93, P3-D-96, P3-J-121
Ryan-Lortie, Juliette	P3-D-85
Salerno, Joanna	P3-I-112
Samanez-Larkin, Gregory	P2-F-61, P3-I-112
San Martin, René	P1-B-5
Sarang, Sudipta	P3-D-87
Satterthwaite, Theodore D	P2-I-75
Sawe, Nik	P1-E-21
Schafer, Matthew	P3-F-108
Scheman, Kaya	P1-B-5
Scheuplein, Maximilian	P2-G-67
Schiller, Daniella	P3-F-108
Schrater, Paul	P2-H-70
Seaman, Kendra	P1-A-1, P3-D-94
Secmen, Aysu	P2-F-62
Serrano, Dalina	P3-H-111
Seigny-Resetco, Deborah J	P3-D-92
Sharot, Tali	P1-B-6, P3-I-115
Shen, Bo	P3-H-110
Sheng, Feng	P2-B-44, P3-B-83
Shenhav, Amitai	P1-D-18, P1-E-24, P3-G-109, P3-I-123
Shourkeshti, Akram	P2-I-78
Shultz, Thomas R.	P3-F-100
Simon, Marie-Christine	P2-B-43, P2-C-45
Skene, Pate	P1-B-8
Smidts, Ale	P2-A-41
Smith, David V	P2-D-54, P3-I-117
Solis, Johanne	P3-G-109
Soltani, Alireza	P1-D-17

AUTHOR	POSTER NUMBERS
Solway, Alec	P2-D-57
Song, Xin	P1-I-39
Soutschek, Alexander	P2-I-80
Souza Medeiros, Jefferson	P1-F-27
Speer, Sebastian	P3-F-106
Srirangarajan, Tara	P1-E-21
Stuchly, Erik	P2-B-42
Stuphorn, Veit	P2-I-74
Sweigart, Sarah	P1-B-7, P1-B-7
Tang, Yancheng	P3-I-113
Tavares, Gabriela	P1-H-32
Thys, Tierney	P1-E-21
Ting, Chih-Chung	P2-D-53, P3-D-84
Tobler, Philippe N	P2-I-80
Tong, Elizabeth	P3-G-109
Tong, Lester	P1-E-20
Torunsky, Nathan	P1-F-26, P1-F-26
Troutman, Addison	P3-I-112
Turner, Brandon	P2-C-47
Tusche, Anita	P2-I-73
Tymula, Agnieszka A	P2-I-76, P3-F-101
Umar, Fatima	P2-D-54
van Baar, Jeroen M	P3-F-102
van Brussel, Leo	P2-A-41
van Geen, Camilla	P1-F-30
Velikovskaya, Anastasia	P3-H-111
Venkatraman, Vinod	P2-I-71
Vilares, Iris	P1-E-25, P1-F-26, P1-I-39, P2-D-56, P2-H-70
Vives, Marc-Lluis	P3-F-102
Vogel, Todd	P3-F-107

AUTHOR	POSTER NUMBERS
Vyas, Harshil	P3-D-91
Wang, John M	P1-E-25
Wang, Xueting	P3-F-101
Weber, Bernd	P2-B-43, P2-C-45
Wei, Ping	P3-E-99
Whitehead, Jocelyne	P1-I-36
Wilcox, Teresa	P2-D-51
Woldorff, Marty G	P1-B-5
Wolk, David A	P1-F-30
Wong, Galston	P3-D-94
Woodford, Michael	P2-I-81, P3-I-118
Wu, Charlene C	P2-I-72
Xiang, Yang	P1-B-3
Xu, Chelsea	P2-H-68, P2-H-68
Xu, Yang	P3-E-99
Yan, Eve (Zih-Yun)	P2-F-63
Yan, Zih-Yun	P2-F-63
Yang, Xiaozhi	P2-D-52
Yang, Yi	P3-D-95
Yang, Yi (Jen)	P2-G-67
Yazdanpanah, Aryan	P1-D-17
Yearsley, James	P3-I-116
Yoo, Minhee	P2-C-47
Yun, Jin Ho	P2-B-44, P3-B-83
Zajkowski, Wojciech K	P2-C-48, P2-C-48, P3-E-98
Zaneski, Laura	P1-F-30
Zhao, Wenjia	P2-D-52
Zhou, Xiaolin	P3-I-113
Zhu, Lusha	P1-E-25, P3-I-114
Zhu, Yuting	P3-D-95

Poster Author Index

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