



Society for
NeuroEconomics

NEUROSCIENCE • PSYCHOLOGY • ECONOMICS



23rd Annual Meeting

Boston, Massachusetts, USA
October 3 - 5, 2025
Royal Sonesta Boston

Program at a Glance

Time	Friday October 3, 2025	Time	Saturday October 4, 2025	Time	Sunday October 5, 2025
8:15		8:15		8:15	
8:30		8:30		8:30	
8:45	Welcome & Opening Remarks 15 mins (8:45-9:00)	8:45		8:45	
9:00	NeuroScience Workshop Amber Alhadeff	9:00		9:00	
9:15		9:15	Session III: Valuation & Choice	9:15	
9:30	60 mins (9:00-10:00)	9:30	90 mins (9:00-10:30)	9:30	
9:45		9:45		9:45	
10:00	Social and Decision Sciences Workshop Alex Imas	10:00		10:00	
10:15		10:15		10:15	
10:30	60 mins (10:00-11:00)	10:30	Coffee Break 15 mins (10:30-10:45)	10:30	
10:45		10:45		10:45	
11:00	Coffee Break 15 mins (11:00-11:15)	11:00	Speed Networking 60 mins (10:45-11:45)	11:00	
11:15		11:15		11:15	
11:30	Session I: Social Learning & Interactions	11:30		11:30	
11:45	90 mins (11:15-12:45)	11:45	Panel 2: AI in Neuroeconomics 60 mins (11:45-12:45)	11:45	
12:00		12:00	Lunch room for others 60 mins (11:45- 12:45) Skyline Room	12:00	
12:15		12:15		12:15	
12:30		12:30		12:30	
12:45	Panel 1: How Has Neuroeconomics Influenced Its Root Disciplines? 60 mins (12:45-13:45)	12:45		12:45	
13:00	Lunch room for others 60 mins (12:45-13:45) Skyline Room	13:00		13:00	
13:15		13:15	Symposium I: Cognitive Constraints in Economic Choice	13:15	
13:30		13:30	90 mins (12:45-14:15)	13:30	
13:45		13:45		13:45	
14:00	Session II: Practical & Clinical Applications	14:00		14:00	
14:15	90 mins (13:45-15:15)	14:15	Poster Spotlights II 30 mins (14:15-14:45)	14:15	
14:30		14:30		14:30	
14:45		14:45		14:45	
15:00		15:00	Poster Session II 75 mins (14:45-16:00)		
15:15	Poster Spotlights I 30 mins (15:15-15:45)	15:15			
15:30		15:30			
15:45		15:45			
16:00	Poster Session I 75 mins (15:45-17:00)	16:00	The Caltech Lecture Neural Economics		
16:15		16:15	Drazen Prelec 60 mins (16:00-17:00)		
16:30		16:30			
16:45		16:45			
17:00		17:00			
17:15		17:15			
17:30	Off-Site Activity 90 mins (17:00-18:30)	17:30	Transition Time 90 mins (17:00-18:30)		
17:45		17:45			
18:00		18:00			
18:15		18:15			
18:30		18:30			
18:45		18:45			
19:00	Pub Meet Up (18:30-20:00) Please inquire with your Activity Leader	19:00	Conference Dinner (18:30-20:00)		
19:15		19:15	Catalyst Restaurant <i>Please be sure to wear/bring your namebadge</i>		
19:30		19:30			
19:45		19:45			
20:00		20:00			

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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.

Neuroeconomics is a field that represents the confluence of economics, psychology and neuroscience in the study of human decision making. Researchers from each of these disciplines have investigated decision making processes for many decades independently, with each discipline offering unique strengths.

Accordingly, neuroeconomics combines the rigorous modeling from economics with psychological studies of social and emotional influences on decision making, and utilizes tools from neuroscience that permit the observation of otherwise latent valuation and decision-making computations that take place in the brain. The synergy of this integrative approach is already evident from the steep rise in publications since the advent of neuroeconomics in the early 2000s.

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Welcome from the President

Dear Friends and Colleagues,

On behalf of the Society for Neuroeconomics, it is my great pleasure to welcome you to the 2025 Annual Conference, here in this lovely spot along the Charles River, in the historied neighborhoods of Cambridge and Boston, Massachusetts.

After more than two decades, an inspiring aspect of this Society is its scholarship extending through “generations,” with the students of early attendees now shepherding work presented by their own mentees from their own labs. Scholars interested in decision-making have the opportunity to work with advisors, labs, and even programs in neuroeconomics at a global range of institutions. We hope those of you who are attending the meeting for the first time will jump right into the conversation!

As its own field of study, neuroeconomics continues to develop cross-disciplinary depth at levels of theory, process and behavior. It also is developing breadth in the topics it draws from and the ones it informs. Reflecting this, your program co-chairs Karolina Lempert and Ifat Levy worked tirelessly with their committee to showcase a broad scope of research throughout the conference.

We kick this off with workshops in Neuroscience, and then Social and Decision Sciences. For the first, we’re delighted to have Amber Alhadeff (UPenn) speaking; her research combines methodologies to examine the gut-brain dynamics that drive motivated behavior. Equally delightful is the opportunity to learn from Alex Imas (Chicago Booth) who examines how people mentally represent the choices their facing within the framework of behavioral economics. Complementing these talks, social chairs Anita Tusche and Erie Boorman have created opportunities for conversation about neuroeconomics’ influence on its core disciplines, and how it will be influenced by AI during lunchtime panels.

It is further my great honor to host Drazen Prelec from the Massachusetts Institute of Technology as the speaker for the 2025 Plenary Lecture, sponsored by the California Institute of Technology. Honestly, it’s difficult to write an introduction for someone who likely needs no introduction. Unsurprisingly, given his pioneering role in neuroeconomics, Professor Prelec’s faculty



appointments span the Sloan School of Management, Department of Brain and Cognitive Sciences, and Department of Economics. In addition to foundational research across topics including risky choice and discounting, a continuing thread of his work is an interest in “non-verifiable” subjective judgments such as forecasts or counterfactual hypotheses.

Beyond individuals, scholarly organizations and institutions have provided a critical platform for the Society and the success of the present meeting. We are deeply grateful for generous support from the Rotman School at the University of Toronto, the Department of Psychology at UCLA, the University of Zurich, and Science Advances. These organizations are joined by Gold-level support from one of our longest running donors, the NYU Institute for the Study of Decision-Making, and Platinum-level support from the T&C Chen Center for Social and Decision Neuroscience at Caltech.

On a more sobering note, it’s important to acknowledge that recent shocks to the foundations of scientific research in the United States have rippled throughout academic communities internationally. Many of the Society’s members and meeting attendees have had to commit significant investments into managing the uncertainties this situation has raised. Speaking personally, I want to express my appreciation for the time and effort you’ve spent to be here, and my regrets for the challenges that impeded or prevented others from attending. We hope to find more ways to meet these challenges going forward.

A great strength of neuroeconomics is that it was founded on collaboration and connection. This core value offers promise for creative and ambitious ways to not only surpass the present issues, but to continue to push scientific boundaries of knowledge, influencing scholarship, policy and practice. I hope the conference may inspire you on all these fronts, whether through the formal program or informal moments of conversation.

Cheers to all,

Uma Karmarkar

President of the Society of Neuroeconomics

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General Information

MEETING VENUE

The Royal Sonesta Boston
40 Edwin Land Boulevard, Cambridge, MA 02142 .

REGISTRATION

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

REGISTRATION AND INFORMATION DESK

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

Friday, October 3	8:00 – 17:00
Saturday, October 4	8:30 – 17:00
Sunday, October 5	8:30 – 15:00

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.

Network name: Sonesta Function
Password: sonesta

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 24**. For a complete copy of the poster abstracts, please see the downloadable pdf abstract book from the Society for NeuroEconomics website.

Poster Session 1: Friday, October 3, 2025

Set Up: From 08:30
Session Time: 15:45 – 17:00
Tear Down: Please tear down by 17:15

Poster Session 2: Saturday, October 4, 2025

Set Up: From 08:30
Session Time: 14:30 – 16:00
Tear Down: Please tear down by 17:15

Poster Session 3: Sunday, October 5, 2025

Set Up: From 08:30
Session Time: 11:15 – 12:30
Tear Down: Please tear down by 13:30

Information on Poster Authors, Poster Numbers and Poster Titles begins on **page 24**.

Awards

Student Travel Awards

The following are the recipients of the 2025 SNE Student Travel Awards. The award is supported by the Society for NeuroEconomics.

Asaf Madar, *Tel Aviv University*

Minho Hwang, *Ulsan National Institute of Science and Technology*

Kianté Fernandez, *University of California, Los Angeles*

Gloria Feng, *Yale University*

Jae Hyung Woo, *Dartmouth College*

Laura Globig, *New York University*



Round Table Session

Sunday, October 5, 12:30-13:30

Round Tables are an opportunity for a small group conversation with leaders on a specific topic.

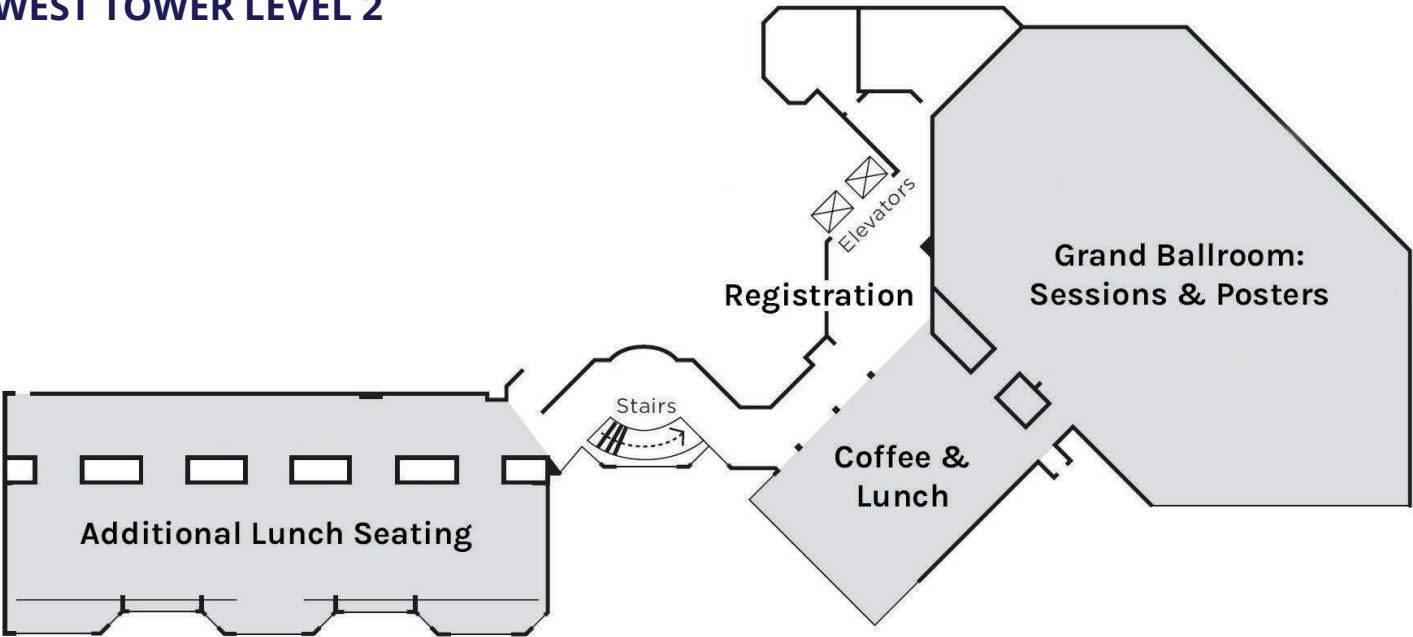
Those wishing to take part are invited to gather at the table/topic that is of interest to them. No need to pre-register. Pick up lunch and join a table conversation.

Thank you to our volunteer Round Table Leaders:

1. **Starting a new lab as a PI:** Candace Raio, *New York University*
2. **Work-life balance:** Erie Boorman, *University of California, Davis*
3. **Getting a faculty job:** Art Lee, *Boston University*
4. **Getting a postdoctoral job:** Mark Orloff, *University of California, Davis*
5. **Machine learning, RL and AI:** Shabnam Hakimi, *Toyota Research Institute*
6. **Economics and Finance:** Brenden Eum, *University of Toronto*
7. **Social and Moral Neuroscience:** Damian Stanley, *Adelphi University*

Venue Map

WEST TOWER LEVEL 2



Speakers

CALTECH PLENARY LECTURE

Saturday, October 4, 2025 1600-1700
Neural Economics

Caltech

T&C Chen Center for Social
and Decision Neuroscience



Drazen Prelec

MIT Sloan School of Management, MIT Department of Brain and Cognitive Sciences,
MIT Department of Economics

Can Bayesian game theory provide a model for the brain? I will address this question through the lens of the Bayesian truth serum (BTS), a mechanism that provides incentives for honest reporting of private information by individuals, when neither honesty nor ground-truth accuracy can be independently verified. The main part of my talk will present these results in their original application setting — crowd wisdom and collective intelligence. However, similar problems of reporting and aggregating information appear at the level of unsupervised neural networks, that is, when individual neural units have to train themselves without external ground-truth reinforcement. I will outline a principal-agent economic model of neural networks, with neurons designated as the principals, sending messages to their synaptic agents. Information-theoretic utility functions and excitation-inhibition balance emerge as two key properties of well behaved ‘neural economies.’ This approach invites a broader inversion of the Neuroeconomics paradigm: Rather than using neural models to understand economic behavior, we can ask how economic theory, especially Bayesian games, might help us understand the internal logic of neural networks themselves.

Speakers

WORKSHOP SPEAKERS

NeuroScience Workshop - Friday, October 3, 2025 0900 – 1000

Neural control of hunger and satiety



Amber L. Alhadeff

**Monell Chemical Senses Center & Department of Neuroscience,
University of Pennsylvania**

Amber Alhadeff is an Associate Professor at the Monell Chemical Senses Center and Department of Neuroscience at Penn, where her lab investigates gut-brain communication. The Alhadeff lab employs a combination of modern neuroscience tools – with a focus on in vivo approaches – to understand the neural circuits underlying feeding behavior, and how they relate to diseases such as obesity. We eat every day, and although we may not realize it, this process is tightly controlled by neural communication between the gut and the brain. This presentation will explore the neural mechanisms for hunger and satiety, and how new weight loss medications leverage these brain circuits to help manage food intake in an environment replete with palatable, energy-dense food.

Social & Decision Sciences Workshop - Friday, October 3, 2025 1000 – 1100

**Recovering preferences under cognitive constraints:
The role of mental representations**



Alex Imas

Booth School of Business, University of Chicago

Alex Imas studies behavioral economics with a focus on cognition and mental representation in dynamic decision-making. His research explores topics related to choice under uncertainty, applied AI, discrimination, and how people learn from information. Professor Imas' work utilizes a variety of methods, including lab experiments, field experiments, analysis of observational data and theoretical modeling. Alex Imas is the recipient of the 2023 Alfred P. Sloan Research Fellowship, the Review of Financial Studies Rising Scholar Award, the New Investigator Award from the Behavioral Science and Policy Association, the Hillel Einhorn New Investigator Award from the Society of Judgment and Decision Making, the Distinguished CESifo Affiliate Award, and the NSF Graduate Research Fellowship.

Panel Sessions

Lunch Panel Session 1 – Friday, October 3, 2025 12:45-13:45

How Has Neuroeconomics Influenced Its Root Disciplines?

This panel will explore how neuroeconomics has influenced its parent disciplines—economics, marketing, psychology, neuroscience—and what future directions could help grow the field. Topics will include the field's impact on economic theory, experimental methods, neuromarketing/neuroforecasting, and its integration into broader psychological and neuroscience research.

Moderator: Anita Tusche, *Queen's University*

- Cendri Hutcherson, *University of Toronto*
- Catherine Hartley, *NYU*
- Alex Genevsky, *Erasmus University*
- Ryan Oprea, *UC Santa Barbara*

Lunch Panel Session 2 – Saturday, October 4, 2025 11:45-12:45

AI in Neuroeconomics

This panel will cover a range of emerging issues related to AI, including the replacement of subjects (and perhaps researchers) by AI, ethical considerations, the benefits and risks for research and training (e.g., grant writing, data analysis, programming, editing, etc.), and the risks for equity and access.

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

- Eva Chalioti, *Yale University*
- Sonia Murthy, *Harvard University*
- Tor Wager, *Dartmouth*

Detailed Program

FRIDAY, OCTOBER 3

08:45-09:00 **Welcome & Opening Remarks**

■ Uma Karmarkar, *SNE President*

09:00-10:00 **Workshop I Neuroscience**

Chair: **Ifat Levy**, *Yale University*

Amber Alhadeff, *University of Pennsylvania*

Neural control of hunger and satiety

10:00-11:00 **Workshop II Social and Decision Sciences**

Chair: **Karolina Lempert**, *Adelphi University*

Alex Imas, *University of Chicago*

Recovering Preferences under Cognitive Constraints: The Role of Mental Representations

11:00-11:15 **Tea & Coffee Break**

11:15-12:45 **Oral Session I Social Learning & Interactions**

Chair: **David Smith**, *Temple University*

O.01.01 - Neural dynamics of social evidence accumulation in cooperative interactions of freely moving marmosets

Weikang Shi¹, Olivia Meisner¹, Monika Jadi¹, Anirvan Nandy¹, Steve Chang¹

¹*Yale University*

O.01.02 - Interplay of self and social interests during learning in early adolescence

Cong Wang¹, Natalie Melville¹, Clare Hogan¹, Victoria Tredinnick¹, Nanda Sankarasubramanian¹,

Pearl Chiu¹, Brooks Casas¹

¹*Virginia Tech*

O.01.03 - Humans learn hidden preferences from decisions, response times and eye movements in social interactions

Mrugsen Gopnarayan¹

¹*University of Hamburg*

O.01.04 - A Bayesian belief updating account of confirmation bias during advice seeking and integration

Yi Wei¹, Brenna Outten², Lisa Klueen², John O'Doherty², Caroline Charpentier¹

¹*University of Maryland*, ²*California Institute of Technology*

12:45-13:45 **Buffet Lunch**

12:45-13:45 **Lunch Panel Session**

Moderator: **Anita Tusche**, *Queen's University*

How has neuroeconomics influenced its root disciplines?

Panelists:

■ Cendri Hutcherson

■ Catherine Hartley

■ Alex Genevsky

■ Ryan Oprea

13:45-15:15

Oral Session II Practical & Clinical Applications

Chair: **Silvia Lopez Guzman**, *National Institutes of Health*

O.02.01 - Revealing beliefs and preferences from neuroimaging data instead of behavior

Stefan Bucher¹, Zih-Yun Yan², Bo Shen³, Peter Dayan⁴, Paul Glimcher³

¹ University of Cambridge, ² New York University, ³ NYU Grossman School of Medicine, ⁴ University of Tübingen

O.02.03 - Risk taking for reward declines with Parkinson's disease progression

Gloria Feng¹, Millie Lawrence¹, Robb Rutledge¹

¹Yale University

O.02.04 - Memory constraints on decision-making capacity in alzheimer's disease: evidence from open-ended decisions

Zhihao Zhang¹, Pongpat Patthinun², Madison Monroe-Mohajerin¹, Samira Maboudian³, Ming Hsu³, Andrew Kayser², Winston Chiong²

¹University of Virginia, ²University of California, San Francisco, ³University of California, Berkeley

15:15-15:45

Poster Spotlights I Emotion & Choice

Chair: **Kendra Seaman**, *University of Texas at Dallas*

PS.01.01 - Affective valence reinforces choice alongside reward

Daniel Parr¹, Seth Madlon-Kay¹, Gregory Samanez-Larkin¹, Kevin Labar¹

¹ Duke University

PS.01.02 - Emotional control predicts changes in decision-making under negative affect

Sydney Trowbridge¹, Justine Trudeau¹, Clara Haeffner¹, Chang-Hao Kao¹, Silvia Lopez-Guzman²

¹ National Institute of Mental Health, ² National Institutes of Health

PS.01.03 - Dissociable effects of age, apathy and depression symptoms, and locus coeruleus integrity on cognitive effort-based decision-making

Jennifer Crawford¹, Johanna Matulonis¹, Emma Carlson¹, Hsiang-Yu Chen¹, Heidi Jacobs², Anne Berry¹

¹ Brandeis University, ² Massachusetts General Hospital & Harvard Medical School

PS.01.04 - The skewed distribution of likes makes social media users less happy

Felix Jan Nitsch¹, Robb Rutledge², Klaus Wertenbroch³, Hilke Plassmann³

¹ University of South Carolina, ² Yale University, ³ INSEAD Business School

PS.01.05 - Affective bias in beliefs is action-dependent: evidence and a model

Nahuel Salem-Garcia¹, Sébastien Massoni², Mael Lebreton³

¹ École Normale Supérieure - PSL, ² Université de Lorraine, ³ Paris School of Economics

PS.01.06 - Reference points, a computational instantiation of reward expectations, predict the severity of major depressive disorder

Aadith Vittala¹, Lulu Wu¹, Dongni Yan¹, David Liebers¹, Elizabeth Tell¹, Xiaotong Song¹, Damon Dashti¹, Kenway Louie², Candace Raio², Dan Iosifescu¹, Paul Glimcher¹

¹ NYU Grossman School of Medicine, ² New York University

15:45-17:00

Poster Session 1

A full list of posters can be found on [page 24](#)

17:00-18:30

Off-Site Activities

Please meet your designated activity lead as shared in an earlier email

Sponsored by:



NYU

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of Decision Making

18:30-20:00

Pub Meet Up

Please See Whova Friday agenda for details

SATURDAY, OCTOBER 4

9:00-10:30

Oral Session III Valuation and Choice

Chair: **Brian Sweis**, Mt. Sinai School of Medicine

O.03.01 - Whole-brain predictor of preference trained on twenty-two tasks shows distributed coefficients but a localized signal

Sangil Lee¹, Ming Hsu², Andrew Kayser³, Nadav Aridan⁴, Russell Epstein⁵, Paul Glimcher⁶, Gary Glover⁷, Cendri Hutcherson⁸, Uma Karmarkar⁹, Brian Knutson¹⁰, Kenji Kobayashi¹¹, Caryn Lerman¹², Dino Levy¹³, Ifat Levy¹⁴, Kosuke Motoki¹⁵, Trishala Parthasarathi⁵, Teresa Pegors¹⁶, Hilke Plassmann¹⁷, Russell Poldrack¹⁰, Tom Schonberg¹³, Anastasia Shuster¹³, Anita Tusche¹⁸, Joe Kable⁵

¹Boston University, ²University of California, Berkeley, ³University of California, San Francisco, ⁴Tel-Aviv University, ⁵University of Pennsylvania, ⁶NYU Grossman School of Medicine, ⁷Radiological Sciences Stanford University School of Medicine, ⁸University of Toronto, ⁹University of California, San Diego, ¹⁰Stanford University, ¹¹University of York, ¹²USC Norris Comprehensive Cancer Keck University of Southern California, ¹³Tel Aviv University, ¹⁴Yale University, ¹⁵The University of Tokyo, ¹⁶Mesa, ¹⁷INSEAD Business School, ¹⁸Queen's University

O.03.02 - Competitors or opportunities? Mutual exclusivity alters neural and attentional processing of choice alternatives

Xiamin Leng¹, Amitai Shenhav¹

¹University of California, Berkeley

O.03.03 - Two-step value normalization explains intra-valuation adaptation triggered by option unavailability

Minho Hwang¹, Dongil Chung¹

¹Ulsan National Institute of Science and Technology

O.03.04 - The dynamics of decisions with self-generated options

Ian Krajbich¹, Xiaozhi Yang², Zhihao Zhang³, Ming Hsu⁴

⁴University of California Los Angeles, ²University of Pennsylvania, ³University of Virginia,

⁴University of California, Berkeley,

10:30-10:45

Tea & Coffee Break

10:45-11:45

Speed Networking

Join us on October 4 in the hour before lunch, when trainees will have a chance to chat with faculty/PIs in a fun and informal setting. Pre-registration was required.

11:45-12:45

Buffet Lunch

11:45-12:45

Lunch Panel Session

Moderator: Erie Boorman, University of California, Davis

AI in Neuroeconomics

Panelists:

- Eva Chalioti
- Sonia Murthy
- Tor Wager

12:45-14:15

Symposium I Cognitive constraints in economic choice

Chair: **Ian Krajbich**, University of California, Los Angeles

S.01.01: On the source and instability of probability weighting

Lawrence Jin¹, Cary Frydman²

¹Cornell University, ²USC Marshall School of Business

S.01.02: Risk attitudes are causally shaped by biases in parietal magnitude coding

Gilles De Hollander¹, Christian Ruff¹

¹University of Zürich

S.01.03: Adaptive efficient coding of numerosity in parietal cortex

Arthur Prat-Carrabin¹, Gilles De Hollander², Saurabh Bedi², Christian Ruff², Samuel Gershman¹

¹Harvard University, ²University of Zürich

S.01.04: Production functions and reasoning in strategic interaction

Vered Kurtz-David¹, Adam Brandenburger², Paul Glimcher²

¹Hebrew University of Jerusalem, ²New York University

14:15-14:45

Poster Spotlights II Consumer Behavior & Attention

Chair: **Alex Genevsky**, Rotterdam School of Management

PS.02.01 - Distributional reinforcement learning in financial markets? Characterizing how shape of distribution impacts learning strategy

Yuching Huang¹, Shih-Wei Wu¹

¹National Yang Ming Chiao Tung University

PS.02.02 - Neuroforecasting: The impact of Hedonic vs. Utilitarian motives

Ting-Yi Lin¹, Alex Genevsky², Maarten Boksem¹, Ale Smidts²

¹Erasmus University Rotterdam, ²Erasmus University

PS.02.03 - Loss aversion emerges from the interplay of valuation, attention and evidence accumulation

Xintong Li¹, Zhuofan Gao¹, Lingchen Xu¹, Jian Li¹

¹Peking University

PS.02.04 - Search Strategies Influence Intertemporal Choice

Nicolette Sullivan¹, Crystal Reeck²

¹London School of Economics & Political Science, ²Temple University

PS.02.05 - Brain activity reveals how wildlife imagery evokes engagement on social media

Tara Srirangarajan¹, Nik Sawe¹, Tierney Thys², Cynthia Wu¹, Brian Knutson¹

¹Stanford University, ²California Academy of Sciences

PS.02.06 - Virtual reality as a research tool for value-based decision making

Tom Schonberg¹

¹University of Tel Aviv

14:45-16:00

Poster Session II

A full list of posters can be found on [page 27](#)

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Institute for the Study
of Decision Making

16:00-17:00

The Caltech T&C Chen Center for Social & Decision Neuroscience Lecture

Neural Economics

Chair: **Uma Karmarkar**, University of California, San Diego

Speaker: **Drazen Prelec**, MIT Sloan School of Management,
MIT Department of Brain and Cognitive Sciences, MIT Department of Economics

Sponsored by:

Caltech

T&C Chen Center for Social
and Decision Neuroscience

18:30-20:00

All Attendee Dinner

Location: Catalyst Cambridge, 300 Technology Square, Cambridge, MA

Travel options: Walking: 25 minutes; Transit: 15 minutes; Car: 8 minutes

Please ensure you have your namebadge with you for entrance

SUNDAY, OCTOBER 5

09:00-10:15 **Symposium II The Human Side of AI: Learning, Decision-Making, and Social Dynamics**
Chair: **Laura Globig**, *New York University*

S.02.01 - Using artificial intelligence to circumvent intergroup bias as a barrier to learning

Laura Globig¹, Jay Van Bavel¹
¹ *New York University*

S.02.02 - Behavioral mechanism design with neural network models of human behavior

Raphael Koster¹
¹ *Google DeepMind*

S.02.03 - Who's in charge? Sense of agency when AI gathers, or acts

Roya Mohammadsadegh¹, Youngbin Kwak¹
¹ *University of Massachusetts Amherst*

10:15-10:30 **Tea & Coffee Break**

10:30-11:15 **Awards Ceremony**
Led by **Uma Karmarkar**, *SNE President*

10:30-11:15 **Poster Spotlights III**
Chair: **Nicolette Sullivan**, *London School of Economics & Political Science*

PS.03.01 - Multi-response decision making: Moving beyond single alternative selection in value-based settings

Kianté Fernandez¹, Frederick Callaway², Uma Karmarkar³, Ian Krajbich¹
¹ *University of California, Los Angeles*, ² *New York University*, ³ *University of California, San Diego*

PS.03.02 - Global reward rate controls transition from value-based to heuristic-based decision-making

Jae Hyung Woo¹, Lakshana Balaji², Bilal Bari³, Ken-Ichiro Tsutsui⁴, Fabian Grabenhorst⁵, Jeremiah Cohen⁶, Wolfram Schultz⁷, Alireza Soltani¹
¹ *Dartmouth College*, ² *Indian Institute of Science Education and Research Tirupati*, ³ *Massachusetts General Hospital*, ⁴ *Tohoku University*, ⁵ *University of Oxford*, ⁶ *Allen Institute for Neural Dynamics*, ⁷ *University of Cambridge*

PS.03.03 - Neural processing of fairness in social decision-making associated with personality traits

Alessandra Lintas¹, Alessandro Villa¹
¹ *University of Lausanne*

PS.03.04 - No decision is better than a wrong decision: An incentivized opt-out option can harness self-interest to reduce deception

Long Wang¹
¹ *City University of Hong Kong*

PS.03.05 - Redistributive behavior is governed by distinct moral principles

Elijah Galvan¹, Alan Sanfey¹
¹ *Donders Institute*

PS.03.06 - Increased subjective costs of control-related effort after eating in bulimia nervosa

Laura Berner¹, Jiulin Dai¹, Blair Shevlin¹, Andrew Westbrook², Thalia Viranda¹, Maia Chester¹
¹ *Icahn School of Medicine at Mount Sinai*, ² *Rutgers University*

11:15-12:30

Poster Session III

A full list of posters can be found on [page 29](#)

Tea & Coffee Break will take place during the poster session

12:30-13:30

Buffet Lunch

Located in the Grand Foyer. Seating is available in the Skyline room or in the Grand Ballroom if you are participating in a Round Table

12:30-13:30

Roundtable session

Those wishing to take part are invited to gather at the table/topic that is of interest to them. No need to pre-register. Pick up lunch and join a table conversation

13:30-15:00

Oral Session IV Uncertainty & Information

Chair: **Shabnam Hakimi**, *Toyota Research Institute*

O.04.01 - Representations of the intrinsic value of information in mouse orbitofrontal cortex

Jennifer Bussell¹, Ryan Badman², Christian Marton², Ethan Bromberg-Martin³, Larry Abbott¹, Kanaka Rajan², Richard Axel⁴

¹ Columbia University, ² Harvard Medical School, ³ Johns Hopkins University, ⁴ Howard Hughes Medical Institute

O.04.02 - Why did we evolve to seek information? Theory of subjective value without instrumental value

Ethan Bromberg-Martin¹, Josh Merel², Ilya Monosov³

¹ Johns Hopkins University, ² Fauna Robotics, ³ Washington University

O.04.03 - cognitive maps and theta oscillations in medial temporal lobe and prefrontal cortex during risky decision-making

Mark Orloff¹, Seongmin Park¹, Philippe Domenech², Erie Boorman¹

¹ University of California, Davis, ² Institut national de la santé et de la recherche médicale

O.04.04 - Olfactory modulation of risk taking and emotional evaluation: TAAR ligands and control odors shape reward sensitivity

Alisa Godovanets¹, Elena Yakimova¹, Sofia Ponomareva¹, Ksenia Panidi², Vladimir Kosonogov², Victoria Moiseeva², Anna Shestakova², Evgeny Kanov³, Raul Gainetdinov³, Isak Blank²

¹ Higher School of Economics, ² National Research University Higher School of Economics,

³ Saint Petersburg State University

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Noham Wolpe	P2.G.45, P2.G.36	Sam Hall-Mcmaster	P3.H.24	Susanna Kasparov	P1.E.16, P2.E.16
Nora Raschle	P2.G.51	Samantha Pedersen	P1.E.16, P2.E.16, P2.E.42	Sydney Trowbridge	PS.01.02, P1.J.28
Nusrat Jahan	P1.E.16, P2.E.16, P2.E.42	Samira Maboudian	O.02.04	Tali Sharot	P3.H.43, P1.D.35
Ohad Dan	P2.D.11, P1.I. 26	Sammy Wals	P3.K.30	Tanja Müller	P1.G.22
Oh-Sang Kwon	P2.F.19	Samuel Gershman	S.01.03, P3.H.24	Tao Jin	P2.F.52
Olivia Meisner	O.01.01	Sangil Lee	O.03.01	Tara Srirangarajan	P2.J.32, P2.B.8, P3.L.32, PS.02.05, P1.B.10
Patricia Fernandes	P2.I. 28	Sarah Qundes	P2.J.33	Teresa Lopez-Castro	P1.F.39
Patrick Sewell	P2.C.10	Sarah Salzgeber	P1.H.42	Teresa Pegors	O.03.01
Paul Glimcher	O.03.01, O.02.01, PS.01.06, S.01.04, P1.I. 24	Saurabh Bedi	S.01.03, P3.D.14	Thalia Viranda	PS.03.06, PS.03.I.06
Pearl Chiu	O.01.02, P2.F.18	Sean F. Ellis	P3.B.11	Theodore Andre	P1.F.39
Peter Dayan	P3.H.24, O.02.01	Sebastian Gluth	P1.B.11, P3.F.20, P3.K.48, P3.I.45	Thomas Henning	S.02.04
Peter Duggins	P1.F.21	Sébastien Massoni	PS.01.05	Thomas Paynter	P3.L.31
Philippe Domenech	O.04.03	Selin Topel	P1.C.13	Tierney Thys	PS.02.05
Philippe Tobler	P3.D. 13, P1.G.22, P2.D. 14, P1.H.42	Seongmin Park	O.04.03	Tina Forster	P3.H.42
Pongpat Patthinun	O.02.04	Sergej Grunevski	O.02.02, P1.J.29	Ting-Ting Lee	P3.H.23
Po-Wei Hsueh	P3.C.12	Seth Madlon-Kay	PS.01.01	Ting-Yi Lin	PS.02.02
Pradyumna Sepulveda	P3.E.37	Shabnam Hakimi	P3.L.32, P2.B.9, P1.B.10	Todd Hare	P3.E.18
Prashanti Ganesh	P2.G.45	Shangcheng Zhao	P1.B.8	Todd Hare	P2.G.51, P1.H.42
Praveen Prem	P3.B.11	Sharon Gilaie-Dotan	P2.I.47	Tom Schonberg	P1.H.23, O.03.01, P3.I. 26
Priyamvada Modak	P2.E.41	Sharon Machado-Sanchez	P2.J.49	Tom Van Bommel	P3.K.30
Qianying Wu	P2.K.50	Shih-Wei Wu	P1.B.34, P3.E.38, P2.D.37, PS.02.01	Tor Wager	P1.F.20
Raphael Koster	S.02.02	Shiva Farashahi	P2.D. 13	Trishala Parthasarathi	O.03.01
Raul Gainetdinov	O.04.04			Tsai Ming Ming	P2.D.37
Ravenna Lins Rodrigues	P1.K.31			Tsai-Wen Hsu	P1.F.19, P3.F.19
Redmond O'connell	P1.I.45			Tyrone D. Cannon	P3.J.47
				Tzu-Yu Hsu	P1.J.27

Author	Poster No.	Author	Poster No.	Author	Poster No.
Uma Karmarkar	O.03.01, PS.03.01, PS.03.K.01, P2.A.6	Wisteria Deng	P3.J.47	Yin Chen	P3.E.38
Valentin Guigon	P1.C.13	Wolfram Schultz	PS.03.02, PS.03.H.02	Yinmei Ni	P1.E.18
Valerio Maglianella	P2.J.31	Xi Chen	P2.B.7	Yixin Chen	P3.H.41, P2.H.25
Vanesa Soto León	P2.C.10	Xiamin Leng	P1.B.11, O.03.02, P3.I.45	Youngbin Kwak	S.02.03, P1.I.44
Vanessa Lee	P3.G.21	Xiaosi Gu	P3.G.22	Yuching Huang	PS.02.01
Vered Kurtz-David	S.01.04	Xiaotong Song	PS.01.06	Yue Hu	P1.I.44
Victoria Moiseeva	P1.K.30	Xiaozhi Yang	P1.K.47, O.03.04	Yu-Kai Lin	P3.C.12
Victoria Moiseeva	P2.F.20, O.04.04	Xinru Huang	P1.E.18	Yukiko Nakatsu	P1.L.32
Victoria Tredinnick	O.01.02	Xintong Li	PS.02.03	Yuri Kwon	P2.F.19
Vincent De Gardelle	P2.J.49	Yan Yan	P1.A.33	Yutong Li	P3.H.41, P2.H.25
Vladimir Kosonogov	P2.F.20, O.04.04	Yao-Chu Chiu	P2.F.17, P3.F.19, P1.F.19	Yuyan Bao	P3.E.37
Wangjing Yu	P1.H.43	Yeshim Onipede	P3.H.41, P2.H.25	Zainab Hussain	P1.E.16, P2.E.16
Weichun Deng	P2.J.32, P3.L.32, P1.B.10	Yi Li	P1.E.16	Zexian Liang	P3.B.7
Weikang Shi	O.01.01	Yi Wei	O.01.04	Zhihao Zhang	O.03.04, P1.B.9, O.02.04
Wenning Deng	P2.K.50	Yi Yang	P1.F.38	Zhuofan Gao	P1.E.18, PS.02.03
Winston Chiong	O.02.04, P2.G.46	Yi-Hsuan Cheng	P1.F.19, P3.F.19	Zi Anyiam	P3.D.36
		Yilin Chai	P3.E.37	Zih-Yun Yan	O.02.01
				Ziwei Cheng	P2.F.43

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, October 3, 2025**
15:45-17:00

Session 2: **Saturday, October 4, 2025**
14:45-16:00

Session 3: **Sunday, October 5, 2025**
11:15-12:30

The poster board numbers work in the following way:
Poster Session – Theme – Board Number (ex. P1-A-1)

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

PS.01.01 - Affective valence reinforces choice alongside reward

Daniel Parr¹, Seth Madlon-Kay¹, Gregory Samanez-Larkin¹, Kevin Labar¹

¹ Duke University

PS.01.02 - Emotional control predicts changes in decision-making under negative affect

Sydney Trowbridge¹, Justine Trudeau¹, Clara Haefner¹, Chang-Hao Kao¹, Silvia Lopez-Guzman²

¹ National Institute of Mental Health, ² National Institutes of Health

PS.01.03 - Dissociable effects of age, apathy and depression symptoms, and locus coeruleus integrity on cognitive effort-based decision-making

Jennifer Crawford¹, Johanna Matulonis¹, Emma Carlson¹, Hsiang-Yu Chen¹, Heidi Jacobs², Anne Berry¹

¹ Brandeis University, ² Massachusetts General Hospital & Harvard Medical School

PS.01.04 - The skewed distribution of likes makes social media users less happy

Felix Jan Nitsch¹, Robb Rutledge², Klaus Wertenbroch³, Hilke Plassmann³

¹ University of South Carolina, ² Yale University, ³ INSEAD Business School

PS.01.05 - Affective bias in beliefs is action-dependent: Evidence and a model

Nahuel Salem-Garcia¹, Sébastien Massoni², Mael Lebreton³

¹ École Normale Supérieure - PSL, ² Université de Lorraine,

³ Paris School of Economics

PS.01.06 - Reference points, a computational instantiation of reward expectations, predict the severity of major depressive disorder

Aadith Vittala¹, Lulu Wu¹, Dongni Yan¹, David Liebers¹, Elizabeth Tell¹, Xiaotong Song¹, Damon Dashti¹, Kenway Louie², Candace Raio², Dan Iosifescu¹, Paul Glimcher¹

¹ NYU Grossman School of Medicine, ² New York University

P1.B.8 - The Jaguar brand without a jaguar in its logo: Computational characterization of brand logo designs toward brand personality

Aiqing Ling¹, Amber Chen², Shangcheng Zhao², Hongbo Yu²

¹ University College Dublin, ² University of California, Santa Barbara

P1.B.9 - How consumers decide what attributes to (not) consider

Sota Ichiba¹, Zhihao Zhang²

¹ Tilburg University, ² University of Virginia

P1.B.10 - The brain leads while behavior lags: Neural activity forecasts market demand for vehicles while elicited preferences reflect past demand

Shabnam Hakimi¹, Weichun Deng², Tara Srirangarajan², Brian Knutson², Matthew Klenk¹, Charlene C. Wu¹

¹ Toyota Research Institute, ² Stanford University

P1.B.11 - A novel test of the goal-dependent relationships between overall value and response times

Chih-Chung Ting¹, Xiamin Leng², Romy Froemer³, Amitai Shenhav², Sebastian Gluth¹

¹ University of Hamburg, ² University of California, Berkeley,

³ University of Birmingham

P1.C.12 - Arbitrary-based social comparison, trust, and risk

Iris Vilares¹, Shulang Yue¹

¹ University of Minnesota

P1.C.13 - Individual differences in dynamic belief updating during trust learning

Valentin Guigon¹, Selin Topel², Caroline Charpentier¹

¹ University of Maryland, ² Leiden University

P1.D.14 - ERP markers of individual differences in risk attitudes and choice consistency in decision-making

Alessandro Villa¹, Alessandra Lintas¹

¹ University of Lausanne

P1.E.15 - Spontaneous eye blink rate is linked to risky and impulsive decisions

Nare Meloyan¹, Anna Shestakova², Ksenia Panidi²

¹ Claremont Graduate University, ² National Research University Higher School of Economics

P1.E.16 - Neuroeconomically dissociable decision-making computations are altered by Shank3 haploinsufficiency

Nusrat Jahan¹, Samantha Pedersen¹, Benjamin Yakubov², Susanna Kasparov², Shreoshe Sushil³, Jason Cai⁴, Kastalia Granizo², Zainab Hussain², Aisha Abid², Alexandra Ramirez¹, Emma Andraka¹, Erina Hara¹, Yi Li¹, Romain Durand De-Cuttoli¹, Joseph Buxbaum¹, Brian Sweis¹

¹ Icahn School of Medicine at Mount Sinai, ² Hunter College,

³ New York University, ⁴ Horace Greeley High School

P1.E.17 - Trait reward sensitivity and behavioral motivation shape connectivity between the default mode network and the striatum during reward anticipation

James Wyngaarden¹, Akanksha Nambiar², Jeffrey Dennison¹, Lauren Alloy¹, Dominic Fareri³, Johanna Jarcho¹, David Smith¹

¹ Temple University, ² University of West Bohemia, ³ Adelphi University

P1.E.18 - Neural implementation of asynchronous evidence accumulation during intertemporal decision-making

Zhuofan Gao¹, Huihui Zhang¹, Yinmei Ni¹, Xinru Huang¹, Huan Luo¹, Jian Li¹

¹ Peking University

P1.F.19 - Do piglets use mirror reflections to locate hidden food?

Hung-Ming Chang¹, Yi-Hsuan Cheng¹, Kuo-Yung Chang², An-Chi Yeh², Tsai-Wen Hsu³, Yao-Chu Chiu⁴, Ching-Hung Lin¹

¹ Kaohsiung Medical University, ² Yujia Nature Livestock,

³ Arcadyan Technology Corporation, ⁴ Soochow University

P1.F.20 - Social information creates self-fulfilling prophecies in judgments of pain, vicarious pain, and cognitive effort

Aryan Yazdanpanah¹, Heejung Jung¹, Alireza Soltani¹, Tor Wager¹

¹ Dartmouth College

P1.F.21 - Evidence integration through weighted prediction error: behavioral evidence and computational model

Peter Duggins¹, Alireza Soltani¹

¹ Dartmouth College

P1.G.22 - Fatigue increases self-reported decision difficulty and revealed risk and ambiguity aversion more in women than men

Tanja Müller¹, Philippe Tobler¹

¹ University of Zürich

P1.H.23 - Experimental habit formation using smartphone applications: challenges in inducing devaluation with extended training

Maya Bar Or¹, Tom Schonberg¹

¹ Tel Aviv University

P1.I. 24 - Optimal utility: Maximizing expected value by picking a curved utility function

Shreya Sinha¹, Paul Glimcher¹, Agnieszka Tymula²

¹ New York University, ² University of Sydney

P1.I. 25 - The unique neural circuits underlying top-down and bottom-up motivated self-control during nutritional decision making

Matthew Bachman¹, Rémi Janet², Anita Tusche²,

Cendri Hutcherson¹

¹ University of Toronto, ² Queen's University

P1.I. 26 - Prior preferences interfere with the associative learning of food values

Alexandra Rich¹, Sohumi Kapadia¹, Ohad Dan¹, Ifat Levy¹

¹ Yale University

P1.J.27 - A systematic empirical comparison of active inference and reinforcement learning models in accounting for decision-making under uncertainty

Ko-Ping Chou¹, Navid Hakimi¹, Tzu-Yu Hsu², Ryan Smith¹

¹ Laureate Institute for Brain Research, ² Taipei Medical University

P1.J.28 - Computational measures of metacognition for risk and their relation to emotional monitoring and control

Justine Trudeau¹, Clara Haeffner¹, Faraz Hassan¹,

Sydney Trowbridge¹, Chang-Hao Kao¹, Silvia Lopez-Guzman²

¹ National Institute of Mental Health, ² National Institutes of Health

P1.J.29 - Flexible motivation in major depression: Symptom dimensions relate to diminished responses to food craving cues

Sergej Grunevski¹, Laura Bustamante², Johanne Solis¹,

Deanna Barch³, Nathaniel Daw⁴, Jonathan Cohen⁴

¹ Rutgers University, ² Washington University in St. Louis,

³ Washington University, ⁴ Princeton University

P1.K.30 - Visual attention and consumer choice: An eye-tracking study on food packaging design

Anna Shestakova¹, Julia Eremenko², Anna Izmalkova²,

Mikhail Salamatina², Ksenia Panidi², Victoria Moiseeva²

¹ National Research University Higher School of Economics,

² Institute for Cognitive Neuroscience

P1.K.31 - A neuroscience approach to analyzing the effectiveness of safety signage in areas at risk of shark attacks

Ravenna Lins Rodrigues¹, Jefferson Souza Medeiros¹,

Fabiana Bispo Da Silva¹, Anderson Lucas Carneiro De Lima Da

Silva¹, Ana Paula Cabral Seixas Costa¹, Lucia Roselli¹,

Danielle Moraes¹, Adiel de Almeida¹

¹ Universidade Federal de Pernambuco

P1.L.32 - Cultural Diversity in System 2 Thinking

Yukiko Nakatsu¹

¹ Japan Advanced Institute of Sciences and Technology

P1.A.33 - Multimodal neural markers of loss and risk avoidance

Leili Mortazavi¹, Yan Yan¹, Anastasios Dadiotis², Brian Knutson¹

¹ Stanford University, ² Lyon Neuroscience Research Centre

P1.B.34 - Prior expectations of risk induce risk-preference gradients in decision under risk

Ching-Hsuan Lin¹, Mu-Chen Wang¹, Shih-Wei Wu¹

¹ National Yang Ming Chiao Tung University

P1.D.35 - Repeated risk exposure shifts decision preferences toward risk seeking

Hadil Haj Ali¹, Moshe Glickman¹, Bastien Blain², Tali Sharot¹
¹ University College London, ² Panthéon-Sorbonne University

P1.D.36 - Effort exertion to avoid food and monetary losses across metabolic states

Emily Wertheimer¹, Sonia Ruiz¹, Jesus Perez Sanchez¹,
Arielle Baskin-Sommers¹, Ifat Levy¹
¹ Yale University

P1.E.37 - Impulsivity, gender, and life outcomes: The role of measurement modality and social perception

Loreen Tisdall¹, Sohvi Heaton², Johan Wiklund³
¹ University of Basel, ² Baylor University, ³ Syracuse University

P1.F.38 - Emotion regulation and age are associated with trustee identity-related decision bias in the trust game

Yi Yang¹, David Smith¹, John Clithero²
¹ Temple University, ² University of Oregon

P1.F.39 - Investigating how the diversity of experienced interpersonal trauma influences social trust learning

Theodore Andre¹, Andrea Perayra¹, Teresa Lopez-Castro²,
Alexandra Voce³, Karolina Lempert¹, Jack Grinband³,
Erik Fertuck², Damian Stanley¹
¹ Adelphi University, ² City College of New York, ³ Columbia University

P1.G.40 - Cognitive and neural underpinnings of altered numerical cognition and risky choice in dyscalculia

Maike Renkert¹, Gilles De Hollander¹, Caroline Biegel²,
Karin Kucian², Sofie Valk³, Christian Ruff¹
¹ University of Zürich, ² University Children's Hospital Zurich,
³ Max Planck Institute for Human Cognitive and Brain Sciences

P1.H.41 - Behavioral signatures of rotational transfer learning in a spatial predictive inference task

Haoxue Fan¹, Matthew Nassar¹
¹ Brown University

P1.H.42 - Do causal expectations shape associative learning signals beyond experience?

Sarah Salzgeber¹, Cindy Lor¹, Carolina Feher Da Silva²,
Philippe Tobler³, Todd Hare³
¹ University of Zurich, ² University of Surrey, ³ University of Zürich

P1.H.43 - Neural mechanisms underlying valence bias in reinforcement learning and episodic memory across development

Sahithyan Sivakumaran¹, Nikita Sossounov¹, Wangjing Yu¹,
Catherine Hartley¹
¹ New York University

P1.I.44 - Cultural influence on use of explore-exploit strategies: A case of independence vs. interdependence

Yue Hu¹, Youngbin Kwak¹
¹ University of Massachusetts Amherst

P1.I.45 - Neural adaptations in multialternative perceptual decisions

Douglas Lee¹, Kevin Aherne¹, Redmond O'Connell², Simon Kelly¹,
Elaine Corbett¹
¹ University College Dublin, ² Trinity College Dublin

P1.J.46 - Beyond reward: Goal distance as a driver of momentary well-being

Gaia Molinaro¹, Bastien Blain²
¹ University of California, Berkeley, ² Panthéon-Sorbonne University

P1.K.47 - The effects of across-trial lottery-outcome variance on gaze and choice

Anthony Miceli¹, Xiaozhi Yang², Cary Frydman³, Ian Krajbich¹
¹ University of California, Los Angeles, ² University of Pennsylvania,
³ USC Marshall School of Business

P1.K.48 - Rational evidence accumulation under cognitive resource constraints

Jiang Mao¹, Mengting Fang², Alan Stocker²
¹ Columbia University, ² University of Pennsylvania

Poster Session 2

PS.02.01 - Distributional reinforcement learning in financial markets? Characterizing how shape of distribution impacts learning strategy

Yuching Huang¹, Shih-Wei Wu¹

¹ National Yang Ming Chiao Tung University

PS.02.02 - Neuroforecasting: The impact of Hedonic vs. Utilitarian motives

Ting-Yi Lin¹, Alex Genevsky², Maarten Boksem¹, Ale Smidts²

¹ Erasmus University Rotterdam, ² Erasmus University

PS.02.03 - Loss aversion emerges from the interplay of evaluation, attention and evidence accumulation

Xintong Li¹, Zhuofan Gao¹, Lingchen Xu¹, Jian Li¹

¹ Peking University

PS.02.04 - Search strategies influence intertemporal choice

Nicolette Sullivan¹, Crystal Reeck²

¹ London School of Economics & Political Science, ² Temple University

PS.02.05 - Brain activity reveals how wildlife imagery evokes engagement on social media

Tara Srirangarajan¹, Nik Sawe¹, Tierney Thys², Cynthia Wu¹, Brian Knutson¹

¹ Stanford University, ² California Academy of Sciences

PS.02.06 - Virtual reality as a research tool for value-based decision making

Tom Schonberg¹

¹ University of Tel Aviv

P2.A.6 - Worry now, pay later – Anxiety and stress increase buy now / pay later usage

Uma Karmarkar¹, Chaumanix Dutton²

¹ University of California, San Diego, ² Arizona State University

P2.B.7 - Frame by frame: Cognitive dynamics underlying consumers' short video watching behavior

Danyang Song¹, Xi Chen¹, Fadong Chen¹, Indranil Bose², Jian Wang³

¹ Zhejiang University, ² NEOMA Business School, ³ Alibaba Group

P2.B.8 - Neuroforecasting box-office demand for movies

Cynthia Wu¹, Tara Srirangarajan¹, Brian Knutson¹, Luis Alvarez²

¹ Stanford University, ² Boston University

P2.B.9 - Interpretable visual features for demand neuroforecasting

Brenden Eum¹, Brian Knutson², Shabnam Hakimi³, Remi Daviet⁴, Ryan Webb¹

¹ University of Toronto, ² Stanford University, ³ Toyota Research Institute, ⁴ University of Pennsylvania

P2.C.10 - Rewiring risk: Enhancing coordination with brain stimulation

Patrick Sewell¹, Jose Apesteguia¹, Eva Díez-Rodríguez², Vanesa Soto León², Antonio Oliviero²

¹ Universitat Pompeu Fabra, ² FENNSI

P2.D. 11 - Context-dependent aversion to conflicting information

Ohad Dan¹, Maya Sanghvi¹, Ifat Levy¹

¹ Yale University

P2.D. 12 - Comparing the incomparable: Modeling values of qualitative outcomes

Nachshon Korem¹, Ifat Levy¹

¹ Yale University

P2.D. 13 - Flexible behavior with dynamic valuation via range normalization in uncertain, changing reward contexts

Cara Lewis¹, Michael Wang¹, Shiva Farashahi¹, Maia Salholz-Hillel², Alireza Soltani¹

¹ Dartmouth College, ² Charité Universitätsmedizin Berlin

P2.D. 14 - Agency increases risk-taking in experience-based decisions

Maïke Brandt¹, Emre Baytimur², Philippe Tobler¹

¹ University of Zürich, ² University of Zurich

P2.E.15 - Developing a neuroeconomic approach to study altruistic decision-making in mice

Alexandra Ramirez¹, Brian Sweis¹

¹ Icahn School of Medicine at Mount Sinai

P2.E.16 - The ventral tegmental area and dorsal raphe nucleus control neuroeconomically dissociable decision-making algorithms

Brian Sweis¹, Antonio Aubry¹, Nusrat Jahan¹, Alexandra Ramirez¹, Emma Andracka¹, Hailey Rosenblum¹, Samantha Pedersen¹, Benjamin Yakubov², Susanna Kasparov², Aisha Abid², Zainab Hussain², Julian Sackey¹, Long Li¹, Romain Durand-De Cuttoli¹

¹ Icahn School of Medicine at Mount Sinai, ² Hunter College

P2.F.17 - The Prominent Deck B Phenomenon in the elderly - A study using clinical Iowa gambling task

Hung-Ming Chang¹, Chia-Nung Chen², Ching-Jen Lin¹, Yao-Chu Chiu³, Ching-Hung Lin¹

¹ Kaohsiung Medical University, ² Kaohsiung Armed Forces General Hospital, ³ Soochow University

P2.F.18 - Social responsiveness buffers internalizing symptoms from social isolation

Shuhan Wang¹, Cong Wang¹, John Wang¹, Jacob Lee¹, Nanda Sankarasubramanian¹, Ethan Nichols¹, Abigale Collins¹, Brooks Casas¹, Pearl Chiu¹

¹ Virginia Tech

P2.F.19 - Delayed source information determines biased retrospective valuation during observational learning

Sunmin Kim¹, Yuri Kwon¹, Bumsoo Kim², Hyo Jung Kim², Oh-Sang Kwon¹, Sunhae Sul², Dongil Chung¹

¹ Ulsan National Institute of Science and Technology,

² Pusan National University

P2.F.20 - Validity of affective computing in assessing emotion-decision links: evidence from prosocial behavior

Victoria Moiseeva¹, Anna Shepelenko², Vladimir Kosonogov¹, Anna Shestakova³

¹ National Research University Higher School of Economics,

² Institute for Cognitive Neuroscience, HSE University, Moscow, Russia,

³ Higher School of Economics

P2.G.21 - Degradation in structural connectivity reflects memory retrieval and decision-making performance across aging

John Kang¹, Cortney Howard¹, Jessie Chan¹, Kennedy Black¹, Christina Yu¹, Eric Juarez¹, Roberto Cabeza¹, Gregory Samanez-Larkin¹

¹ Duke University

P2.G.22 - Distinct food attribute representations emerge across binge-type eating disorders

Blair Shevlin¹, Kianté Fernandez², Laura Berner¹

¹ Icahn School of Medicine at Mount Sinai, ² University of California, Los Angeles

P2.H.23 - Dopamine influences risk preference through learning, not utility curvature

Cong Sun¹, Chaofei Bao¹, Jeffrey Erlich²

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P2.H.24 - Latent saliency of feature combinations modulates reinforcement learning strategies in multi-feature environments

Jiwon Park¹, Dongil Chung¹

¹Ulsan National Institute of Science and Technology

P2.H.25 - Context-appropriate guidance of valuation by episodic temporal recency

Yutong Li¹, Hannah Jacobson¹, Yixin Chen¹, Marty Armstrong¹, Yeshim Onipede¹, Joseph McGuire¹

¹Boston University

P2.H.26 - Discretization: Theory and experiment

Irfan Khan¹, Ian Krajchich²

¹Economics, ²University of California, Los Angeles

P2.I. 27 - A supply and demand approach to information processing in decision-making

Douglas Lee¹

¹University College Dublin

P2.I. 28 - Subliminal face attractiveness is processed in anterior ventral striatum and ventromedial prefrontal cortex

Patricia Fernandes¹, Joe Kable², Jorge Almeida¹, Anita Tusche³, Fredrik Bergström³

¹University of Coimbra, ²University of Pennsylvania,

³Queen's University

P2.I. 29 - A mathematical model of lab bubble-related asset-buying: Successfully playing a dividend hot-potato game boosted earnings

John Haracz¹

¹Indiana University

P2.I. 30 - A reframed view of human model-free learning emphasizing automatic, implicit, outcome-irrelevant processes

Ido Ben-Artzi¹, Nitzan Shahar¹

¹Tel Aviv University

P2.J.31 - Neural signatures of the spill-over effect of emotions on the processing of ads: an EEG study

Valerio Maglianella¹, Cátia Alves², Alex Genevsky³, Ale Smidts³, Maarten Boksem¹

¹Erasmus University Rotterdam, ²University of Vienna,

³Erasmus University

P2.J.32 - Separable neural representation of momentary positive and negative arousal

Ryan Yan¹, Cynthia Wu¹, Weichun Deng¹, Tara Srirangarajan¹, Clara Yang², Brian Knutson¹

¹Stanford University, ²Smiths College

P2.J.33 - Influence of affective state on context-sensitive valuation in methamphetamine use disorder

Maëlle Gueguen¹, Sarah Qundes², Martin P. Paulus¹

¹Laureate Institute for Brain Research; Oxley College of Health Sciences, ²Laureate Institute for Brain Research

P2.K.34 - A Novel form of confirmation bias in learning driven by value-based attention

Atlas Shahamati¹, Alireza Soltani¹

¹Dartmouth College

P2.L.35 - An inexpensive method to measure latent toxoplasmosis and its behavioral consequences

Michele Garagnani¹, Anja Achtziger², Carlos Alós-Ferrer³

¹University of Melbourne, ²Zeppelin University, ³University of Zurich

P2.G.36 - How do people maintain false beliefs? Modeling anchoring biases during learning and inference

Magdalena Del Rio¹, Noham Wolpe², Matthew Nassar¹

¹Brown University, ²Tel Aviv University

P2.D.37 - Behavioral signatures in response to bimodal and unimodal reward distributions

Tsai Ming Ming¹, Shih-Wei Wu¹

¹National Yang Ming Chiao Tung University

P2.A.38 - Combining neuroimaging and physiological measures to study arousal-uncertainty links during market bubbles

Lorenzo Del Puppo¹, Michael Knierim¹, Niels Doebring¹, Fabio Stano¹, Manfred Herrmann², Christof Weinhardt¹

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P2.B.39 - Value pattern formation and retrieval during hedonic experience and decision-making: relevance to anhedonia and advertising

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P2.D.40 - Resisting social impression updating: Motivation to reduce uncertainty inflates reliance on weak explanations for others' trait-inconsistent behavior

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P2.E.41 - The impact of temporal discounting on precommitment decisions to avoid future self-control costs

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P2.E.42 - Validating an abridged training protocol to capture the emergence of neuroeconomic decision-making strategies in mice

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P2.F.43 - Individuals prefer repairable relationships and trust perception impacts decision to repair

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P2.F.44 - Own-age bias in trust perception of older adults

Ariana Plummer¹, Kendra Seaman¹, Colleen Frank¹

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P2.G.45 - How we learn what to believe and who to trust: Understanding joint updating using bayesian inference

Prashanti Ganesh¹, David Levari¹, Noham Wolpe², Matthew Nassar¹

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P2.G.46 - Neural mechanisms of diminished loss aversion in presymptomatic gene carriers for frontotemporal dementia

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P2.I.47 - Image size affects valuation in food and risky choice

Christopher Dunlock¹, Sierra Metviner¹, Kevin Li¹,
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P2.I.48 - Communicating the economic impact of NIH funding cuts changes attitudes and motivates action

Alyssa Sinclair¹, Mallory Harris², Dani Cosme¹, Angela Fagerlin³,
Ellen Peters⁴, Clio Andris⁵, Joshua Weitz⁶, Emily Falk¹

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P2.J.49 - The intrinsic value of control

Sharon Machado-Sanchez¹, Vincent De Gardelle², Bastien Blain¹

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P2.K.50 - The role of attention in integrating private and social information during simple decisions.

Wenning Deng¹, Qianying Wu¹, Antonio Rangel¹

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P2.G.51 - Developmental changes in functional connectivity and its association with mental health and cognition

Mirjam Habegger¹, Benjamín Garzón¹, Nora Raschle¹, Todd Hare²

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P2.F.52 - Association of social information use with transdiagnostic symptom dimensions

Tao Jin¹, Iris Vilares¹

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Poster Session 3

PS.03.01 - Multi-response decision making: Moving beyond single alternative selection in value-based settings

Kianté Fernandez¹, Frederick Callaway², Uma Karmarkar³,
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PS.03.02 - Global reward rate controls transition from value-based to heuristic-based decision-making

Jae Hyung Woo¹, Lakshana Balaji², Bilal Bari³,
Ken-Ichiro Tsutsui⁴, Fabian Grabenhorst⁵, Jeremiah Cohen⁶,
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⁴Tohoku University, ⁵University of Oxford, ⁶Allen Institute for Neural Dynamics, ⁷University of Cambridge

PS.03.03 - Neural processing of fairness in social decision-making associated with personality traits

Alessandra Lintas¹, Alessandro Villa¹

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PS.03.04 - No decision is better than a wrong decision: An incentivized opt-out option can harness self-interest to reduce deception

Long Wang¹

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PS.03.05 - Redistributive behavior is governed by distinct moral principles

Elijah Galvan¹, Alan Sanfey¹

¹Donders Institute

PS.03.06 - Increased subjective costs of control-related effort after eating in bulimia nervosa

Laura Berner¹, Jiulin Dai¹, Blair Shevlin¹, Andrew Westbrook²,
Thalia Viranda¹, Maia Chester¹

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P3.B.7 - Asynchronous development of loss aversion

Feng Sheng¹, Zexian Liang¹, Michael Platt², Elizabeth Brannon²

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P3.B.8 - Information search shapes consumer patience: A novel process-informed model for intertemporal choice

Crystal Reek¹, Byung Lee², Antonia Krefeld-Schwalb³, Simon Xu⁴,
Eric Johnson⁴

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P3.B.9 - At what cost?: Social Value-based Purchase Decisions in Liberals and Conservatives

Francesca Walsh¹

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P3.B.10 - Characterising the computational complexity of optimal choice via Fitness Landscape Analysis

Juan Pablo Franco¹, Nitin Yadav¹, Carsten Murawski¹

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P3.B.11 - Neural basis of disgust mitigation in sustainable food choices

Praveen Prem¹, Sean F. Ellis², Maik Kecinski³, Kent Messer³,
Kyle Nash¹, Jayson Lusk⁴, Jacqueline Cummine¹

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P3.C.12 - Simulating Human and AI Decision-Making under uncertainty in the Clinical Iowa Gambling Task via Q-Learning

Po-Wei Hsueh¹, Hung-Ming Chang¹, Yu-Kai Lin², Ching-Jen Lin¹, Ching-Hung Lin¹

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P3.D. 13 - Modeling internal and external sources of uncertainty in risky decision making

Hsin-Hung Li¹, Hui-Kuan Chung², Philippe Tobler²

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P3.D. 14 - Distorted probability weighting in decisions under uncertainty reflects boundary repulsions in cognitive noise

Saurabh Bedi¹, Gilles De Hollander¹, Christian Ruff¹

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P3.E.15 - Sugar liking as an indicator of reward sensitivity in delay discounting and risk-taking tasks

Anna Davidovich¹, Anna Shestakova¹, Ksenia Panidi¹

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P3.E.16 - A novel approach to characterize foraging decisions underlying social interactions in mice

Emma Andraka¹, Romain Durand de-Cuttoli¹, Daniela Schiller¹, Brian Sweis¹

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P3.E.17 - Impulsivity during heightened negative affect through value-based decision-making and ecological momentary assessment

Aysenur Okan¹, Michael Hallquist¹

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P3.E.18 - Modelling uncertainty around subjective values of choice attributes increases analysis sensitivity

Łukasz Tanajewski¹, Todd Hare²

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P3.F.19 - Exploring gain-loss sensitivity in piglets using the scrofa soochow gambling task

Yi-Hsuan Cheng¹, Hung-Ming Chang¹, Kuo-Yung Chang², An-Chi Yeh², Tsai-Wen Hsu³, Yao-Chu Chiu⁴, Ching-Hung Lin¹

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P3.F.20 - Do people predict others' decisions by repeated sampling of simulated outcomes?

Erik Stuchlý¹, Sebastian Gluth¹

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P3.G.21 - Bayesian decision-making across tasks and time

Iris Vilares¹, Mathi Manavalan¹, Vanessa Lee¹

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P3.G.22 - Developing a neuroeconomically informed and biologically constrained regret inventory

Romain Durand-De Cuttoli¹, Alexandra Fink¹, Austin Baggetta¹, Giorgio Coricelli², Helen Mayberg¹, A. David Redish³, James Murrough¹, Xiaosi Gu¹, Ignacio Saez¹, Laurel Morris¹, Jonathan Depierro¹, Brian Sweis¹

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P3.H.23 - The Prominent Deck B Phenomenon in Schizophrenia: Insights from Clinical and Reversed Clinical Iowa Gambling Tasks

Ting-Ting Lee¹, Ching-Hung Lin¹

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P3.H.24 - Entorhinal cortex signals when to generalise in a novel environment

Sam Hall-McMaster¹, Lennart Wittkuhn², Luianta Verra³, Noa Hedrich², Kazuki Irie¹, Peter Dayan⁴, Samuel Gershman¹, Nicolas Schuck²

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P3.I. 25 - Behavioral study to investigate a decision support system in a multi-attribute context

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P3.I. 26 - Pupil-linked arousal tracks previous choices and experienced values in decision-making under risk

Gustavo Santiago-Reyes¹, Russell Poldrack¹, Tom Schonberg²

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P3.J.27 - Humans remap value when making risky economic decisions under different goals

Kathy Shi¹, Joseph Heffner¹, Robb Rutledge¹

¹ Yale University

P3.J.28 - Counterfactual outcomes influence feelings of regret more than behavioural adaptation

Chang Yuan Chen¹, Joseph Heffner¹, Robb Rutledge¹

¹ Yale University

P3.J.29 - When to seek help: Neural correlates of decision-making in social emotion regulation

Carmen Morawetz¹, Mirna Hajric¹

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P3.K.30 - Brains Predicting Award-Wining Ads: A neuromarketing analysis predicting the Effie Awards

Sammy Wals¹, Nikki Leeuwis², Tom Van Bommel³, Daniel Wentzel¹, Ale Smidts⁴

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P3.L.31 - Perfect markets and other illusions

Thomas Paynter¹

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P3.L.32 - Neuroforecasting versus backcasting changes in aggregate demand for vehicles

Shabnam Hakimi¹, Dylan Christiano², Cynthia Wu³, Tara Srirangarajan³, Weichun Deng³, Charlene C. Wu¹, Brian Knutson³, Matthew Klenk¹

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P3.G.34 - Cognition is the invisible hand: How response times drive allocational efficiency in markets

Brenden Eum¹, Cendri Hutcherson¹, Ryan Oprea², Ryan Webb¹

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P3.D.35 - Perceptual account of variable loss attitudes in mixed gambles

Alina Davydova¹, Gilles De Hollander¹, Christian Ruff¹

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P3.D.36 - Is ambiguity aversion generalized? Examining the effects of ambiguity across probabilistic, temporal and effort discounting

Galston Wong¹, Alina Ali¹, Jessica Frem¹, Zi Anyiam¹, Kendra Seaman¹

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P3.E.37 - Computational mechanisms of information-seeking in anticipation of aversive outcomes

Pradyumna Sepulveda¹, Ines Aitsahalia¹, Stella Dong¹, Yilin Chai², Yuyan Bao¹, Nasir Naqvi¹, Kiyohito Iigaya¹
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P3.E.38 - Allais paradox and the temporal resolution of uncertainty in decision under risk

Yin Chen¹, Shih-Wei Wu¹

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P3.F.39 - Beliefs about others' preferences modulate social conformity

Minjae Kim¹, Dongil Chung¹

¹ Ulsan National Institute of Science and Technology

P3.G.40 - Exploring the relationship between objective and subjective skills, socioeconomic status, and risky decision making

Kendra Seaman¹, Lulu Eisenberg¹

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P3.H.41 - Inferring the time-dependent value of novel items

Yutong Li¹, Marty Armstrong¹, Leah Bakst¹, Yixin Chen¹, Jingxuan Guo¹, Yeshim Onipede¹, Michael Pascale¹, Joseph McGuire¹

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P3.H.42 - Whole-scalp subjective value representation reflects adaptive value encoding

Andreas Jarvstad¹, Anna Ubiali¹, Tina Forster¹

¹ University of London

P3.H.43 - Seeking information from compassionate code: AI compassion increases information seeking but not learning

Amber Duettmann¹, Tali Sharot²

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P3.I.44 - Ventromedial prefrontal cortex resting state activation mediates the effect of body composition on eating behavioral change awareness

Benjamin Flament¹, Belina Rodrigues¹, Iraj Khalid¹, Jean-Yves Rotge², Christine Poitou-Bernert³, Hilke Plassmann⁴, Liane Schmidt⁵

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P3.I.45 - Validating predictions of a flexible decision-making model for varying decision goals and choice set properties

Ana Hernandez¹, Xiamin Leng¹, Sebastian Gluth², Romy Froemer³, Amitai Shenhav¹

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P3.J.47 - Large language models reveal accelerated abstract processing during social interpretation in trait internalizing symptoms

Jihyun Hur¹, Wisteria Deng¹, Jutta Joormann¹, Tyrone D. Cannon¹

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P3.K.48 - Fixation-evoked potentials reveal bayesian belief updating processes in multi-attribute choice

Jordan Deakin¹, Sebastian Gluth¹

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