Society for
**NeuroEconomics**
NEUROSCIENCE • PSYCHOLOGY • ECONOMICS

**Program**

**vSNE**

**18th Annual Meeting**

**October 7 - 9, 2020**

neuroeconomics.org | #VSNE2020 | @SocforNeuroecon

# Contents

# vSNE Searchable Program

| TIME ZONES | | | DAY 1: Wednesday, October 7 |
|---|---|---|---|
| Los Angeles | New York | Paris | |
| | | | **Poster Halls and Sponsor Hall accessible on-demand** |
| 07:00 – 07:15 | 10:00 – 10:15 | 16:00 – 16:15 | **Welcome and Opening Remarks**<br>Hilke Plassmann, SNE President |
| 7:15 – 8:45 | 10:15 – 11:45 | 16:15 – 17:45 | **Session I: Risk, Uncertainty, and Delay**<br>Chair: Anna Konova, Rutgers University<br><br>I-1 *Considering what we know and what we don't know: Expectations and metacognition guide value integration during economic choice (*Romy Froemer, Brown University)<br><br>I-2 *Predicting risk attitudes from the precision of neural magnitude representations (*Gilles de Hollander, University of Zurich)<br><br>I-3 *From value to saliency: Neural computations of subjective value under uncertainty in combat veterans (*Ruonan Jia, Yale University)<br><br>I-4 *Predicting individual differences in delay discounting based on fMRI* (Leonie Koban, INSEAD) |
| 08:45 – 09:15 | 11:45 – 12:15 | 17:45 – 18:15 | **Poster Spotlight 1** |

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PS1-1 *Attentional sampling strategies in multi-attribute decision making (*Jacob Elsey, Johns Hopkins University)

PS1-2 *Contextual and individual differences in altruism arise from distinct aspects of information processing* (Jie Hu, University of Zurich)

PS1-3 *Food prices in the retail food environment modify genetic susceptibility to obesity* (Hannah Yang Han, McGill University)

PS1-4 *Long-term stability of idiosyncratic choice bias* (Lior Lebovich, The Hebrew University of Jerusalem)

PS1-5 *Optimal decision-making in metric space* (Harrison Ritz, Brown University)

| | | |
|---|---|---|
| 09:15 – 10:45 | 12:15 – 13:45 | 18:15 – 19:45 |

**POSTER SESSION 1**

| | | |
|---|---|---|
| 10:45 – 11:45 | 13:45 – 14:45 | 19:45 – 20:45 |

**Panel of Funding Officers (***Track 1)*
Chair: Robb Rutledge, Yale University

Adriana Cristoiu, European Research Council Executive
Robert O'Connor, National Science Foundation
Vani Pariyadath, National Institute on Drug Abuse | National Institutes of Health
Luke Stoeckel, National Institute on Aging

↑ **Back to the top**

| 10:45 – 11:45 | 13:45 – 14:45 | 19:45 – 20:45 |
|---|---|---|

## Panel of Journal Editors (*Track 2*)
Chair:  Tali Sharot, University College London

Manell Baucells, Management Science
Patricia Bauer, Psychological Science
Christina Konen, Neuron
Vikas Mittal, Journal of Marketing Research
Mimi Morrin, Journal of Marketing Research
Tage Rai, Science
Mary Elizabeth Sutherland, Nature

| 11:45 – 12:45 | 14:45 – 15:45 | 20:45 – 21:45 |
|---|---|---|

## Networking Event
If you have a specific appointment, please connect via the link that was communicated to you
If you do not have a specific appointment, freely mingle and connect with fellow attendees on Gather Town.

| 12:45 - 14:15 | 15:45 – 17:15 | 21:45 – 23:00 |
|---|---|---|

## Session II: Social Decision Making

Chair: Cendri Hutcherson, University of Toronto

II-1 *The computational basis of individuals' learning under uncertainty in groups with collective goals (*Hanbo Xie, Peking University)

II-2 *Interoceptive sensitivity is associated with neural representation of others' rewards* (Luis Contreras Huerta, University of Oxford)

II-3 *Modeling models of others' mental states: characterizing Theory of Mind processes during cooperative interaction* (Tessa Rusch, California Institute of Technology)

II-4 *Emotion prediction errors guide socially adaptive behavior* (Joseph Heffner, Brown University)

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| TIME ZONES | | | DAY 2: Thursday, October 8 |
| --- | --- | --- | --- |
| **Los Angeles** | **New York** | **Paris** | |
| 06:00 – 06:30 | 09:00 – 09:30 | 15:00 – 15:30 | **Poster Halls and Sponsor Hall accessible on-demand**<br><br>**Poster Spotlight 2**<br><br>PS2-1 *Attention and decision making in complex risky choice* (Sudeep Bhatia, University of Pennsylvania)<br><br>PS2-2 *Anger invigorates pursuit of immediately rewarding actions of high Pavlovian value at the expense of advantageous goal-directed actions* (Alison Schreiber, University of North Carolina at Chapel Hill)<br><br>PS2-3 *Using mobile eye-tracking to capture the effects of choice set size on information processing during purchase decisions in the field* (Alexandre Filipowicz, University of Pennsylvania)<br><br>PS2-4 *Habitual behavior in humans can be experimentally induced by varying the length of training on an instrumental action* (Aniek Fransen, California Institute of Technology)<br><br>PS2-5 *Adaptive self-control: Environmental volatility influences precommitment decisions* (Lauren Sussman, Boston University) |
| 06:30 - 08:00 | 09:30 – 11:00 | 15:30 – 17:00 | **POSTER SESSION 2** |

↑ **Back to the top**

| 08:00 - 09:30 | 11:00 – 12:30 | 17:00 – 18:30 |
|---|---|---|
| | | |

**SYMPOSIUM 1: Advances in neuroforecasting: Forecasting consumer and firm choice using neural data**
Chair: Hilke Plassmann, INSEAD

S1-1  *Using neural data to improve forecasts of market-level behavior* (Alexander Genevsky, Erasmus University)

S1-2  *Predictive power of fMRI, survey and sales data: A data fusion approach using machine learning to predict sales* (Anita Tusche, Queen's University)

S1-3  *Population news sharing is reflected in distributed reward-related brain activity* (Bruce Doré, McGill University)

S1-4  *Neuroforecasting aggregate choice in online dating: Predicting aggregate choices from small samples using neural and behavioral measures* (Steve Shaw, University of Michigan)

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**↑ Back to the top**

| 09:30 - 10:30 | 12:30 – 13:30 | 18:30 – 19:30 |
|---|---|---|

## Session IV: Valuation and Value Systems
Chair: Jan Zimmermann, University of Minnesota

IV-1  *Grid-like codes for novel inferences during value-based decision making*  (Seongmin Park, University of California, Davis)

IV-2  *Values encoded in orbitofrontal cortex are causally related to economic choices*  (Weikang Shi, Washington University in St. Louis)

IV-3  *Retrieval-constrained valuation: toward prediction of open-ended decisions* (Zhihao Zhang, University of California, Berkeley)

| 10:30 – 11:30 | 13:30 – 14:30 | 19:30 – 20:30 |
|---|---|---|

## KAVLI LECTURE
**Cognition and Motivation in Physical and Social Space and Time**
Elke U. Weber, Princeton University

Chair: Hilke Plassmann, INSEAD

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**Back to the top**

| 11:30 – 13:00 | 14:30 – 16:00 | 20:30 – 22:00 |
|---|---|---|

**Session V: Dynamic Decision Making**

Chair: Sebastian Gluth, University of Basel

V-1  *Individual heterogeneity in foraging behavior relates to drug addiction and midbrain dopamine function* (Candace Raio, New York University)

V-2  *Foraging behavior adjusts to multiple scales of context* (Nora Harhen, University of California, Irvine)

V-3  *Assessing trial-level sequential effects in a non-sequential risk task using cognitive models and Bayesian methods* (Nidhi Banavar, University of California, Irvine)

V-4  *Adaptive arbitration between strategies during human social learning: emulation, imitation and direct experience* (Caroline Charpentier, California Institute of Technology)

| 13:00 – 14:00 | 16:00 – 17:00 | 22:00 – 23:00 |
|---|---|---|

**Social Hour**

Meet us on Gather Town to meet other delegates and chat with old friends

# vSNE Searchable Program

| TIME ZONES | | | DAY 3: Friday, October 9 |
| --- | --- | --- | --- |
| **Los Angeles** | **New York** | **Paris** | |
| 05:00 – 05:30 | 08:00 – 08:30 | 14:00 – 14:30 | **Poster Halls and Sponsor Hall accessible Hall on-demand**<br><br>**Poster Spotlight 3**<br><br>PS3-1 **Dopamine and preferences for equal payoffs** (Jaime Castrellon, Duke University)<br><br>PS3-2 **Efficient coding of numbers explains decision bias and noise** (Arthur Prat-Carrabin, Columbia University)<br><br>PS3-3 **Adaptive attentional shifts amplify the framing effect under time constraints** (Ian Roberts, University of Toronto)<br><br>PS3-4 **Trade-offs between food and money or effort vary with satiety and quadratically with body mass** (Susanna Gobbi, University of Zurich)<br><br>PS3-4 **Influence of stress and anxiety on foraging decisions during Covid-19** (Vani Gupta, Indian Institute of Technology) |
| 05:30 – 07:00 | 08:30 – 10:00 | 14:30 – 16:00 | **POSTER SESSION 3** |
| 07:00 – 08:30 | 10:00 – 11:30 | 16:00 – 17:30 | **Session VI: Efficient Coding and Representation**<br>Chair: John Clithero, University of Oregon |

| 08:30 – 10:00 | 11:30 – 13:00 | 17:30 – 19:00 |
|---|---|---|

VI-1 **Efficient coding and risky choice** (Cary Frydman, University of Southern California)

VI-2 **Efficient learning of statistical regularities in higher-level cognition** (Rafael Polania, University of Zurich)

VI-3 **In what environments is divisive normalization an efficient computation?** (Stefan Bucher, New York University)

VI-4 **How representations adapt: the role of structure in model-based planning** (Neil Garrett, University of Oxford)

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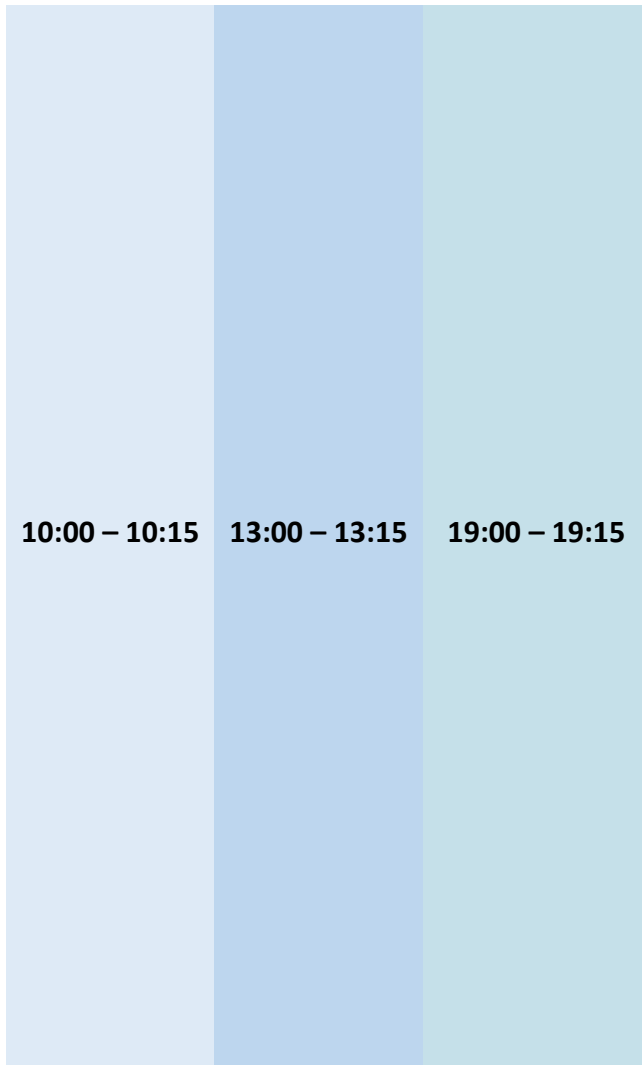
**Zurich Center**
for Neuroeconomics

## SYMPOSIUM 2: Neuroeconomics meets the digital age
Chair: Molly Crockett, Yale University

S2-1 **A computational reward learning account of social media engagement** (Björn Lindström, University of Amsterdam)

S2-2 **Using neuroscience to causally affect information sharing** (Christin Scholz, University of Amsterdam)

# vSNE Searchable Program

| 10:00 – 10:15 | 13:00 – 13:15 | 19:00 – 19:15 |

S2-3 *Social learning of moral outrage in online networks* (William Brady, Yale University)

S2-4 *Polarized neural responses to political content are associated with biased assimilation of political information and subsequent attitude change* (Yuan Chang Leong, University of California, Berkeley)

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## Society News and Closing Remarks

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