



# PROGRAM

19<sup>th</sup> Annual Meeting September 29 – October 1, 2021 #vSNE2021

# Society for NeuroEconomics Program at a Glance 2021 vSNE Conference

Day 1 Day 2 Day 3 29-Sep 30-Sep 1-Oct

Angeles York	Los	New	London	Paris	Tokyo	Sydney	1		
Poster spots	Angeles				,-	,,	All sessions are live in	Zoom or on Gather.tow	n
Poster spots   Symposia #1   (6:00-7:30)   Poster session   (6:00-7:30)   Poster session #1   Poster session #1   (6:00-7:30)   Poster session #1   Poster session #1   (6:00-7:30)   Poster session #1   (7:45-9:15)   Poster session #1   (7:45-9:15)   Poster session #1   (9:45-11:15)   Poster session #1   (9:45-11:15)   Poster session #1   (11:30-12:30)   Poster s	PDT	EDT	BST	CEST	JST	AEST	All sessions in Zoom w	vill be recorded and play	ed on-demand for att
Poster spots   Symposia #1   (6:00-7:30)   Poster session   (6:00-7:30)   Poster session #1   Poster session #1   (6:00-7:30)   Poster session #1   Poster session #1   (6:00-7:30)   Poster session #1   (7:45-9:15)   Poster session #1   (7:45-9:15)   Poster session #1   (9:45-11:15)   Poster session #1   (9:45-11:15)   Poster session #1   (11:30-12:30)   Poster s							]		
Symposia #1	5:00	8:00	13:00	14:00	21:00	22:00			
Symposia #1	5:30	8:30	13:30	14:30	21:30	22:30	_		Poster snots
Social hour	0.00	0.00	10.00	14.00	21.00	22.00			
10:30	6:00	9:00	14:00	15:00	22:00	23:00	1	Symposia #1	Poster Session #3
Welcome "Hour"     30min Q&A   30min Q&A     30min Q&A								(6:00-7:30)	(6:00-7:30)
10:00   10:00   15:00   16:00   23:00   0:00	6:30	9:30	14:30	15:30	22:30	23:30	Welcome "Hour"	4 x 15min	
Select talks 1   4 x 15min   30min Q&A   (7:45-9:15)							Welcome Hour	30min Q&A	
10:30	7:00	10:00	15:00	16:00	23:00	0:00			
30min Q&A (7:15-8:45)   Networking 2 (7:45-8:15)   BREAK   Select talks 3   4 x 15min 3   30min Q&A (7:15-11:15)   BREAK   Symposia R2 (7:45-9:15)   A x 15min 3   30min Q&A (7:45-9:15)   BREAK   Select talks 3   4 x 15min 3   30min Q&A (7:45-9:15)   BREAK   Select talks 3   4 x 15min 3   30min Q&A (8:30-10:00)   BREAK   Select talks 3   4 x 15min 3   30min Q&A (8:30-10:00)   BREAK   Select talks 4   4 x 15min 3   30min Q&A (8:30-10:00)   BREAK   Select talks 4   4 x 15min 3   30min Q&A (8:30-10:00)   BREAK   Select talks 4   4 x 15min 3   30min Q&A (8:30-10:00)   Select talks 4   4 x 15min 3   30min Q&A (12:30-12:30)   Select talks 4   4 x 15min 3   30min Q&A (12:30-12:30)   Select talks 4   4 x 15min 3   30min Q&A (12:30-14:00)   Select talks 4   4 x 15min 3   30min Q&A (12:30-14:00)   Select talks 4   4 x 15min 3   30min Q&A (12:30-14:00)   Select talks 4   4 x 15min 3   30min Q&A (12:30-14:00)   Select talks 4   4 x 15min 3   30min Q&A (12:30-14:00)   Select talks 4   4 x 15min 3   30min Q&A (12:30-14:00)   Select talks 4   4 x 15min 3   30min Q&A (12:30-14:00)   Select talks 5   Select talks 6   Select talks 6   Select talks 7   Select talks 8   Select talks 8   Select talks 8   Select talks 9   Select ta	7-30	10-30	15:30	16:30	23:30	0.30		PDEAK	DDEAK
11:00	7.00	10.00	10.00	10.00	20.00	0.50			
BREAK   30min Q&A   (7:45-9:15)	8:00	11:00	16:00	17:00	0:00	1:00			
11:30	0.00		10.00		5.00	1.00	(7.13-0.43)		
BREAK   30 min student salons   Poster spots (9:15-9:45)	8:30	11:30	16:30	17:30	0:30	1:30			
12:00   17:00   18:00   1:00   2:00							BREAK / 30 min		(7.43-3.13)
12:30	9:00	12:00	17:00	18:00	1:00	2:00			
							Poster spots	(8:30-10:00)	BREAK
	9:30	12:30	17:30	18:30	1:30	2:30	(9:15-9:45)		DDEAK / AFi-
13:00   13:30   18:30   19:00   2:00   3:00   (9:45-11:15)							Poster Session #1		
13:30	10:00	13:00	18:00	19:00	2:00	3:00	(9:45-11:15)	BREAK	student saions
11:00								Kavli Lecture	BREAK
11:00	10:30	13:30	18:30	19:30	2:30	3:30		(10:15-11:15)	Symposia #2
BREAK   1:30   14:30   19:30   20:30   3:30   4:30   Networking 1   (11:30-12:30)			1.0.00			1.00			(10:30-12:00)
130	11:00	14:00	19:00	20:00	3:00	4:00	DD54V		
Company   Comp	11:30	14-20	10:30	20-30	3-30	4:30			30min Q&A
15:00	11.50	14.50	10.50	20.50	3.30	4.50		Social hour	
BREAK   Select talks 2   4 x 15min   30min Q&A   (12:30-14:00)	12:00	15:00	20:00	21:00	4:00	5:00	(11.30-12.30)		BREAK
15:30								BREAK	Closing/ Awards
3:00   16:00   21:00   22:00   5:00   6:00   4 x 15min   30min Q&A (12:30-14:00)	12:30	15:30	20:30	21:30	4:30	5:30	BREAK	Select talks 4	(12:15-12:45)
30min Q&A (12:30-14:00) 31:30 16:30 21:30 22:30 5:30 6:30 (12:45-14:15) 30min Q&A (12:45-14:15) 30min Q&A (12:30-14:00) BREAK Poster spots (14:15-14:45) Poster Session #2 (14:45-16:15)							Select talks 2	4 x 15min	
16:30	13:00	16:00	21:00	22:00	5:00	6:00	4 x 15min	30min Q&A	
14:00   17:00   22:00   23:00   6:00   7:00							30min Q&A	(12:30-14:00)	
BREAK   4:30   17:30   22:30   23:30   6:30   7:30   Panel Topics   (14:15-14:45)   5:00   18:00   23:00   0:00   7:00   8:00   (14:30-15:30)   (14:45-16:15)   5:30   18:30   23:30   0:30   7:30   8:30	13:30	16:30	21:30	22:30	5:30	6:30	(12:45-14:15)		
BREAK   4:30   17:30   22:30   23:30   6:30   7:30   Panel Topics   (14:15-14:45)   5:00   18:00   23:00   0:00   7:00   8:00   (14:30-15:30)   (14:45-16:15)   5:30   18:30   23:30   0:30   7:30   8:30	14:00	17:00	22:00	23:00	6:00	7:00	-	BREAK	
17:30				20.00	0.00		BREAK		
Poster Session #2 (14:45-16:15)  18:30	14:30	17:30	22:30	23:30	6:30	7:30			
18:00									
	15:00	18:00	23:00	0:00	7:00	8:00	(14:30-15:30)		
8-00 10-00 0-00 1-00 8-00 0-00	15:30	18:30	23:30	0:30	7:30	8:30			
13.50 0.50 1.60 0.50	16:00	19:00	0:00	1:00	8:00	9:00			

#### **Table of Contents**

About the Society of NeuroEconomics	۷
Board of Directors	
Committees	
Annual Meetings	
General Congress Information	
vSNE Program Schedule	
2021 Sponsors	13
Poster Author Index	14
vSNE Poster Listing - Titles. Authors and Affiliations	18

#### About the Society of NeuroEconomics

#### **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.

#### **Board of Directors**

Elected members govern the Society for Neuroeconomics (SNE) and comprise the Board of Directors who in turn elect the Society's Officers. Board Members are elected to a three-year term on the Board and Officers, other than the Secretary/Treasurer, have a one-year mandate. The officer positions include President, President Elect, Secretary/Treasurer, and Immediate Past President.

President: Todd Hare, University of Zurich

President Elect: Lesley Fellows, McGill University

Secretary/Treasurer: Ryan Webb, University of Toronto

Immediate Past President: Hilke Plassmann, INSEAD

#### **Board Members:**

Catherine Hartley, New York University

A. David Redish, University of Minnesota

Agnieszka Tymula, University of Sydney

Robb Rutledge, University College London

Tali Sharot, University College London

Carolyn Yoon, University of Michigan

Ming Hsu, University of California, Berkeley

Cendri Hutcherson, University of Toronto

Patricia Lockwood, University of Birmingham

#### Committees

#### **Scientific Program Committee**

#### **Chairs:**

**David Redish**, University of Minnesotaaa **Tali Sharot**, University College London

#### Members:

Erie Boorman, University of California, Davis
Peter Bossaerts, University of Melbourne
John Clithero, University of Oregon
Anne Collins, University of California, Berkeley
Lesley Fellows, McGill University
Xiaosi Gu, Icahn School of Medicine at Mount
Sinai
Cendri Hutcherson, University of Toronto
Uma Karmarkar, UCSD
Anna Konova, Rutgers University

Dino Levy, Tel Aviv University
Jian Li, Peking University
Kenway Louie, New York University
Suzanne Mitchell, Oregon Health & Science
University
Ross Otto, McGill University
Rafael Polania, University of Zurich
Amitai Shenhav, Brown University
Philippe Tobler, University of Zurich
Livia Tomova, Cambridge University

#### **Awards Committee**

Catherine Hartley, New York University Greg Samanez-Larkin, Yale University Uma Karmarkar, UCSD Ben Hayden, University of Minnesota Lesley Fellows, McGill University Ryan Webb, University of Toronto

#### **Annual Meetings**

Since 2005, the Society for NeuroEconomics has been meeting annually to discuss emerging and exciting research in the field of neuroeconomics. These meetings have attracted researchers, students and followers from across the globe to present their work, network and discuss collaborations, obtain valuable feedback from peers and to stay informed about the current research being performed around the globe.

If you are active on social media, make sure to hashtag #vSNE2021 @socforneuroecon

#### **General Congress Information**

#### **Virtual Platforms**

Whova Platform Gather.town

#### **Pre-Registration**

If you have completed your registration for the vSNE conference, please enter the platform through the SNE website, and follow the instructions to login.

#### Registration

If you wish to register and have not yet done so, please <u>register here</u>. Note: Registrations completed after September 27, 2021 can experience a delayed access to the virtual Conference platform.

#### **Conference Timelines**

Real-time streaming of the vSNE Conference will take place at the following times:

- Sept 29 9:00am-6:30pm EDT
- Sept 30 9:00am-7:15pm EDT
- Oct 1 8:30am-4:00pm EDT
- On-demand content until January 1, 2021

#### **Technical Help**

During the virtual conference if you encounter any technical issues during your virtual experience, please contact Whova directly at <a href="mailto:customer-success@whova.com">customer-success@whova.com</a> or our staff directly at <a href="mailto:lauren@podiumconferences.com">lauren@podiumconferences.com</a>.

#### vSNE Program Schedule

(Times below in EDT – adjust to your time zone)

#### **September 29, 2021**

9:15am – 10:15am Welcome Hour

Join us live in <u>Gather.town</u> to launch the conference and mingle with

other attendees

10:15am - 11:45am Select Talks 1

Chair: Tali Sharot, University College London

Speakers:

**Rahul Bhui**, MIT, "Attention constraints and learning in categories"

Dameon Harrell, University of Minnesota, "Foraging vs Value-Comparison

Reinforcement Learning Models of Sequential Decision-Making"

**Reiko Shintaki**, Keio University, "Prefrontal-hippocampal involvements in distinct decision strategies during human foraging behavior for real liquid

rewards"

Haoxue Fan, Harvard University, "Trait somatic anxiety is associated with

reduced exploration and underestimation of relative uncertainty"

11:45am - 12:15pm Break / Student Salons

Student Salons in **Gather.town** 

12:15pm - 12:45pm Poster Spotlights 1

Chair: **Suzanne Mitchell,** Oregon Health & Science University

Speakers:

**Mike Cisneros-Franco,** McGill University, "From GWAS to Molecular and Social Pathways to Subjective Well-Being: An Empirical Analysis of the

Canadian Longitudinal Study on Aging"

Aline Dantas, Maastricht University, "A gut feeling: how your gut and

brain determine your choices"

Kenji Kobayashi, University of Pennsylvania, "Neural representations of

others' traits predict social decisions"

Nathan Torunsky, University of Minnesota - Twin Cities, "Information-

seeking during COVID-19"

**Douglas Lee,** Institute of Cognitive Sciences and Technologies, National Research Council of Italy, "Value Certainty in Drift-Diffusion Models of

Preferential Choice"

12:45pm - 2:15pm Poster Session #1

Join poster presenters and other attendees live in **Gather.town** 

2:15pm - 2:30pm Break

2:30pm - 3:30pm

**Networking 1** 

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

3:30pm - 3:45pm

**Break** 

3:45pm - 5:15pm

**Select Talks 2** 

Chair: Erie Boorman, University of California, Davis

Speakers:

**Seungji Lee,** Ulsan National Institute of Science and Technology, "Efficient coding accounts for faster and more accurate choices on high-valued items"

**Becket Ebitz**, Université de Montréal, "Irrational choice via curvilinear

value geometry in ventromedial prefrontal cortex"

Rafael Polania, University of Zurich, "Neural codes in early sensory areas

maximize fitness"

5:15pm - 5:30pm

**Break** 

5:30pm - 6:30pm

Non-Academic Jobs Panel

Chair: Cendri Hutcherson, University of Toronto

Speakers:

Jeff Cooper, Fab Fit Fun

Anett Gyurak, Research Scientist – Manager

Archy de Berker, CarbonChain

Shabnam Hakimi, Toyota Research Institute

Sylvia Morelli, Instagram

5:30pm - 6:30pm

**Academic Jobs Panel** 

Chair: Robb Rutledge, University College London

Speakers:

Nikki Sullivan, London School of Economics Catherine Hartley, New York University Daphna Shohamy, Columbia University John Clithero, University of Oregon

#### **September 30, 2021**

9:00am - 10:30am

## Symposia #1 - Variability in decision making: origins, mechanisms, and implications

Chair: **Vasilisa Skvortsova**, University College London Speakers:

**Valentin Wyart**, Ecole Normale Superieure, "Imprecise learning drives variable but adaptive decisions under uncertainty in humans and artificial neural networks"

**Tobias Donner**, University Medical Center Hamburg-Eppendorf, "Correlated variability of stimulus and action codes tracks internal models for decision-making"

**Tobias Hauser**, University College London, "Exploring how humans explore: The contribution of catecholamines and mental health to distinct exploration strategies"

**Claire Gillan,** Trinity College Dublin, "Metacognitive biases, but not model-based planning deficits, are improved following treatment with internet-based cognitive behavioural therapy"

10:30am - 10:45am

**Break** 

10:45am - 11:15am

#### **Networking 2**

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

11:15am - 11:30am

**Break** 

11:30am - 1:00pm

#### Select Talks 3

Chair: Amitai Shenhav, Brown University

Speakers:

**Jeroen Brus**, ETH, "Sources of confidence in value-based choice" **Mariana Zurita**, University College London, "Goal-dependent memories in

value-based choice"

**Sophie Bavard**, INSERM U960, "Contrasting range normalization and divisive normalization in human reinforcement learning"

**Vered Kurtz-David**, New York University, "The trembling hand unraveled - the motor dynamics and neuronal sources of choice inconsistency"

1:00pm - 1:15pm

**Break** 

1:15pm - 2:15pm

**Kavli Lecture** 



Chair: Todd Hare, University of Zurich Speaker: Terrie E. Moffitt, Duke University

"Measuring the Pace of Aging in young people: An opportunity for prevention"

2:15pm - 3:15pm

**Social Hour** 

Join attendees live in Gather.town

3:15pm - 3:30pm

Break

3:30pm - 5:00pm

**Select Talks 4** 

Chair: Lesley Fellows, McGill University

Speakers:

Ruth Pauli, University of Birmingham, "Computational modelling of learning and action initiation from childhood to adolescence"

Aiging Ling, UCD Michael Smurfit Graduate Business School, "The Neural Mechanisms of Affect Misattribution on Judgment and Evaluation" Maëlle Gueguen, Rutgers University, "Sensitivity to contextual effects during reinforcement learning in human addiction"

**Karolina Lempert,** University of Pennsylvania, "Effects of age and medial temporal lobe atrophy on memory-quided decision-making"

5:00pm - 5:15pm

**Break** 

5:15pm - 5:45pm

Poster Spotlights 2

Chair: Xiaosi Gu, Icahn School of Medicine at Mount Sinai

Speakers:

Nidhi Banavar, University of California – Irvine, "Deliberative evaluation in intertemporal choice is shaped by experiment structure"

Kaosu Matsumori, Tamagawa University, "Escaping Arrow's Impossibility by Interpersonal Comparison of Neural Utility"

Evgeniya Lukinova, NYU Shanghai, "Does endogenous variation in stress modulate risk and time preferences?"

Lisa Bas, Queen's University, "Malleability of human altruism across choice contexts due to social cues"

Nitisha Desai, The Ohio State University, "Investigating the link between neural reward reactivity and attention"

5:45pm - 7:15pm

Poster Session #2

Join poster presenters and other attendees live in **Gather.town** 

#### October 1, 2021

8:30am - 9:00am

#### **Poster Spotlights 3**

Chair: Dino Levy, Tel Aviv University

Speakers:

**Micah Edelson**, University of Zurich, "Goal-dependent recalibration of hippocampal representations facilitates self-control"

**Marie Falkenstein**, Paris Brain Institute, "Does COVID-related stress affect self-control and the ability to make healthy food choices?"

Nir Moneta, Max Planck Institute for Human Development Berlin,

"Parallel representation of context and multiple context-dependent values in ventro-medial prefrontal cortex"

**Christopher Kelly**, University College London, "Browsing under threat: high-level features of web searches altered during the pandemic and predicted population stress levels"

Achiel Fenneman, Radboud University Nijmegen / Rhine-Waal **University of Applied Science**, "Episodic decision-making via a process of cascading episodic sampling (CASES)"

9:00am - 10:30am

#### Poster Session #3

Join poster presenters and other attendees live in Gather.town

10:30am - 10:45am

#### **Break**

10:45am - 12:15pm

#### Select Talks 5

 ${\it Chair: {\bf Cendri\ Hutcherson,}\ University\ of\ Toronto}$ 

Speakers:

**Toan Nong,** CNRS, "Computational mechanisms used for coordination learning in free ranging baboons (Papio papio)"

Irina Noguer Calabus, Heinrich-Heine-Universität Düsseldorf, "Lesions of Nucleus Accumbens Shell abolish Socially Transmitted Food Preferences" Moshe Glickman, University College London, "Biased algorithms produce biased humans: the consequences of human-AI collaboration" Cong Wang, Peking University, "Separable neurocognitive changes underlie the development of communicative reasoning in adolescence"

12:15pm - 1:15pm

#### Break / Student Salons (45mins starting at 12:30pm)

Student Salons in **Gather.town** 

1:30pm - 3:00pm

## Symposia #2 - The Diverse and Critical Roles of Memory Retrieval Processes in Decision Making

Chair: **Zhihao Zhang**, University of California, Berkeley

Speakers:

Peter Kraemer, University of Basel, "Episodic memory retrieval affects the

build-up of decision variables in value-based choices"

**Wenjia Joyce Zhao**, The Ohio State University, "Process and content in decisions from memory"

**Elliott Wimmer**, University College London, "Experience replay supports planning and memory maintenance"

**Zhihao Zhang**, University of California, Berkeley, "Mechanistic contributions of memory to decision-making impairments in Alzheimer's disease"

3:00pm - 3:15pm Break

3:15pm - 3:45pm Closing/Awards



## Caltech

T&C Chen Center for Social and Decision Neuroscience









FRIEDRICH-WILHELMS- ECONOMICS AND UNIVERSITÄT BONN NEUROSCIENCE

RHEINISCHE CENTER FOR

#### Poster Author Index

Name	Poster Number(s)	Cisneros-Franco, Miguel	1-G-6
Adcock, R. Alison	1-I-25	Cogliati Dezza, Irene	3-I-89
Akbari, Mahdi	2-D-43	Coll, Michel-Pierre	2-F-64
Alexander, William H	2-H-53	Contreras-Huerta, Luis	
Alladi, Vinayak	2-D-43	Sebastian	2-F-64
Alsharawy, Abdelaziz M	1-D-15,1-D-15	Conwell, Colin	2-E-47
Amani Rad, Jamal	3-I-87	Crockett, Molly J	2-F-64
Amsel, Lawrence	2-E-49	Cutler, Jo	3-G-82
Apps, Matthew A. J.	2-F-64	Cycowicz, Yael M	2-E-49
Asad, Ahad	1-H-19	da Silva Castanheira, Kevin	1-D-32
Ashinoff, Brandon K	1-I-96	Dagher, Alain	1-G-6,3-G-80
Aydogan, Gökhan	3-G-80	Dantas, Aline	1-D-7,3-D-76
Bakst, Leah	1-I-35	Dennison, Jeffrey B	1-D-31
Ball, Sheryl	1-D-15	Desai, Nitisha	2-E-40
Banavar, Nidhi V	2-E-36	Devine, Sean	1-I-20
Bao, Chaofei	2-D-44	Dietvorst, Roeland	3-A-72
Barak, Segev	2-I-23	Dini, Hossein	3-B-94
Bas, Lisa M	2-1-39	Dong, Y.L. Doug	1-D-32
Benistant, Julien	3-I-83,3-M-90	Dreher, Jean-Claude	3-C-73,3-I-83, 3-M-90
Berger, Alex J	2-D-42	Dube, Laurette	1-E-17,1-G-6,1-I-21
Bhatia, Sudeep	1-K-29	Dubroqua, Sylvain	2-D-44,2-D-46
Bigne, Enrique	3-B-94	Dyson, Ben	1-H-19
Bird, Geoffrey	2-F-64	Edelson, Micah G	3-E-68
Blain, Bastien	3-J-71	Ehinger, Benedikt V	2-I-56
Blevins, Elizabeth M	1-J-28,1-J-28,2-I-58	Eom, Kelly	1-I-25
Böckler, Anne	3-F-79	Erlich, Jeffrey	2-D-44,2-D-46,2-G-38
Boksem, Maarten	3-A-72	Falkenstein, Marie	3-E-69
Bornstein, Aaron	1-I-20,2-E-36,2-I-63	Fallon, Nick	3-I-88
Bowman, Elizabeth A	2-I-54	Fang, Huihua	2-F-50
Brandl, Felix	3-E-77	Farah, Martha J	3-G-80
Breil, Christina	3-F-79	Fareri, Dominic S	2-1-62
Bruggen, Elisabeth	1-D-7,3-D-76	Feng, Gloria W	1-D-13
Bruni, Luis E	3-B-94	Fenneman, Achiel	3-H-67
Bucher, Stefan F	3-I-93	Fontanesi, Laura	3-I-86,3-I-87
Buck, Justin	1-I-96	Franco, Pablo	2-1-54
Bulley, Adam	2-E-47	Frey, Renato	1-D-16
Bzdok, Danilo	3-G-80	Froemer, Romy	2-I-56
Camerer, Colin	2-L-66	Frömer, Romy	1-I-30
Candia-Rivera, Diego	3-B-94	Fujita, Kentaro	2-E-40
Chang, Steve W. C.	2-F-64	Gabay, Michal	1-I-22
Cheung, Stephen	2-E-48	Gallagher, Ryan J	2-H-53
Name	Poster Number(s)	Gallo, Marcos	2-L-66

Garvert, Mona M	3-I-70	Knutson, Brian	1-D-16,1-J-28,2-B-41,2-G-
Gera, Rani	2-1-23	·	52,2-I-58,2-L-60
Glimcher, Paul W	1-I-24,2-D-45,3-I-93	Ko, Michael	1-J-28
Gluth, Sebastian	3-1-87	Koban, Leonie	3-E-69
Guigon, Valentin	3-I-83,3-M-90	Kobayashi, Kenji	1-F-8
HajiHosseini, Azadeh	1-J-27	Koellinger, Philipp D	3-G-80
Hakim, Adam	3-1-95	Krajbich, lan	1-K-29,2-E-40,2-K-59
Haracz, John L	1-I-26	Krueger, Frank	2-F-50
Hare, Todd	3-E-68,3-I-91	Kunchulia, Marina	3-G-81
Hauser, Tobias U	3-L-92	Kurihara, Misa	2-F-51
Heekeren, Hauke R	3-I-70	Kurtz-David, Vered	3-1-95
Henderson, Jessica	3-I-88	Kweon, Hyeokmoon	3-G-80
Hertwig, Ralph	1-D-16	Labonté, Katherine	1-E-17
Hertz, Uri	1-F-18	Lamm, Claus	3-G-82
Herzog, Michael	3-G-81	Le Houcq Corbi, Zarah	3-E-77
Hewitt, Danielle	3-I-88	Lee, Douglas G	1-I-10,3-I-91
Horga, Guillermo	1-I-96	Lee, Eun-Ju	2-1-55
Hosein Hadian Rasanan, Amir	3-I-87	Lempert, Karolina M	2-E-47
Hoven, Christina W	2-E-49	Leong, Josiah K	1-D-16
Howatt, Brian C	1-C-11,1-C-11	Levy, Dino J	3-I-95
Hsiung, Abigail	1-I-25	Li, Jian	3-D-75
Hsu, Ming	1-F-8	Li, Xin	2-D-12
Hudson, Sarah I	2-G-52	Liao, Chong	2-F-50
Huettel, Scott A	1-I-25	Lin, Wei-Hsiang	3-G-81
Hutcherson, Cendri	1-J-27	Ling, Aiqing	3-E-69
lijima, Kazuki	2-1-37	Lockwood, Patricia	3-G-82
Irish, Muireann	2-E-47	Londerée, Allison	2-E-40
Janet, Rémi	3-C-73	Loosen, Alisa M	3-L-92
Jarvis, Huw	3-J-98	Lopez-Guzman, Silvia	1-D-14
Jenkins, Adrianna C	1-F-8	Losecaat Vermeer, Annabel	3-J-97
Jiao, Peiran	1-D-7,3-D-76	Louie, Kenway	1-I-20,1-I-24
Jorasch, Olivia D	1-H-33	Lukinova, Evgeniya	2-D-46,2-G-38
Kable, Joseph W	1-F-8	Luo, Yuejia	2-F-50
Kalenscher, Tobias	3-E-69,3-I-84	MacNiven, Kelly H	1-D-16,2-G-52
Kao, Chang-Hao	1-H-33	Madan, Christopher	1-D-32
Kapetaniou, Georgia Eleni	3-E-78	Madar, Asaf	3-I-95
Katsimpokis, Dimitris	3-I-86	Maher, Christina	3-I-89
Kedrick, Kara	1-I-9	Mata, Rui	1-D-16
Kelly, Christopher A	3-J-71	Matsumori, Kaosu	2-I-37
Kemp, Gina M	1-I-21	Matsumoto, Kenji	2-I-37
Khalvati, Koosha	3-C-73	McGuire, Joseph T	1-I-35
Kim, Eunbin S	2-E-40	Mehta, Pranjal H	2-F-51
Knäuper, Bärbel	1-E-17	Mi, Qingtian	3-D-75
		Micheli, Leticia	3-F-79

Mitchell, Suzanne H	2-I-57	Roberts, Ian D	1-J-27
Moisa, Marius	3-E-78	Rodriguez-Moreno, Diana V	2-E-49
Moller-Mara, Josh	2-D-46	Rotaru, Kristian	2-1-54
Möller-Mara, Joshua	2-D-44	Ruff, Christian	3-E-78,3-G-80
Moller-Mara, Joshua M	2-D-46	Ruiz, Melanie	2-1-62
Moneta, Nir	3-1-70	Rutledge, Robb B	1-D-13,1-H-33,3-J-98
Mortazavi, Leili	2-L-60	Sack, Alexander	1-D-7,3-D-76
Mulej Bratec, Satja	3-E-77	Sahoo, Anshuman	2-B-41
Murawski, Carsten	2-1-54	Sanfey, Alan G	3-H-67
Murray, John D	2-1-65	Sautua, Santiago I	1-D-14
Muth, Anne-Katrin	3-J-97	Sawe, Nik	2-B-41
Nair, Akshay	3-J-98	Sazhin, Daniel	2-I-61
Nassar, Matthew R	1-I-35,2-I-56	Schacter, Daniel L	2-E-47
Nave, Gideon	3-G-80	Schaefer, Lena	1-I-35
Nazareth Gallo, Marcos F	2-L-66	Schonberg, Tom	1-I-22,2-I-23
Newton-Fenner, Alice	3-1-88	Schuck, Nicolas W	3-I-70
Nguyen, Amanda	2-I-61	Schuhmann, Teresa	1-D-7,3-D-76
Nicolas, Alain	3-M-90	Seow, Tricia X	3-L-92
Nielsen, Daiva E	1-E-17,1-G-6	Sevigny-Resetco, Deborah J	2-1-57
Nitsch, Felix J	3-E-69,3-I-84	Sharot, Tali	3-I-89,3-J-71
Nitschke, Jonas P	3-G-82	Shen, Bo	1-I-24
Northoff, Georg M	1-I-21	Shenhav, Amitai	1-I-30,2-I-56
Ohira, Hideki	2-F-51	Shevlin, Blair	2-K-59
Otto, Ross	1-D-32,1-I-20	Silveira, Patricia P	1-G-6
Pan, Deng	3-D-75	Simonetti, Aline	3-B-94
Paquet, Catherine	1-G-6	Sinnott-Armstrong, Walter	2-F-64
Park, BoKyung	1-J-28	Smidts, Ale	3-A-72
Park, Soyoung Q	3-J-97	Smith, Alec	1-D-15
Parsons, John-Dennis	2-1-39	Smith, David V	1-D-31,2-I-61,2-I-62
Penconek, Marcin	3-I-85	Sokol-Hessner, Peter	2-1-62
Pettine, Warren W	2-I-65,2-I-65	Sorg, Christian	3-E-77
PHILIPPE, Rémi	3-C-73	Soutschek, Alexander	3-E-78
Plassmann, Hilke	3-E-69	Srirangarajan, Tara	2-B-41,2-G-52,2-L-60
Poh, Jia-Hou	1-I-25	Stancak, Andrej	3-I-88
Prat-Carrabin, Arthur	1-D-34	Stasiak, Joanne E	2-1-62
Prosser, Annayah M. B.	2-F-64	Sun, Sai	2-D-12
Qu, Yang	1-J-28	Sun,, Xiaoxiao	2-E-49
Rajagopalan, Kavya	2-L-66	Tang, Grace	2-B-41
Raman, Dhruva V	2-1-65	Tavor, Ido	3-1-95
Rao, Rajesh P. N	3-C-73	Terenzi, Damiano	3-J-97
Redish, A D	2-1-65	Thomas, Armin	1-K-29
Rieskamp, Jörg	1-D-16,3-I-86,3-I-87	Tian, Shuang	2-F-50
Ritz, Harrison	1-I-30	Tisdall, Loreen	1-D-16,2-G-52
Roberts, Carl	3-I-88	Tobler, Philippe	3-E-78

Torunsky, Nathan	1-I-9,1-I-9	Xu, Pengfei	2-F-50
Tsai, Jeanne L	1-J-28,2-I-58	Yan, Zih-Yun	2-D-45
Tusche, Anita	2-I-39	Yang, Nathan	1-E-17
Tymula, Agnieszka	2-D-42,2-D-43,2-E-48	Yang, Xiaozhi	2-K-59
Usher, Marius	1-I-10	Yomogida, Yukihito	2-I-37
van Brussel, Leo	3-A-72	Yoo, Jungsun	2-I-63
Vilares, Iris	1-I-9	Young, Michael E	1-C-11
Villeval, Marie Claire	3-I-83	Yu, Hongbo	2-D-12,2-F-64
Wagner, Dylan	2-E-40	Yun, Jin Ho	2-I-55
Wang, Huan	2-I-58	Zhao, Fu	2-F-50
Wang, Jinge	2-D-12	Zhao, Wenjia Joyce	1-K-29
Wang, Shuo	2-D-12	Zhu, Lusha	3-D-75
Wang, Xueting	2-E-48	Zhu, Xiaoyue	2-D-44,2-D-46
Wisniewski, Matthew G	1-C-11	Zoh, Yoonseo	2-F-64
Woodford, Michael	1-D-34, 1-I-96		

#### vSNE Poster Listing - Titles, Authors and Affiliations

#### Poster Session 1 Wednesday, September 29, 2021 12:45pm – 2:15pm EDT

#### **C - Game Theory & Strategic Interactions**

## 1-C-11 Trial-Level Changes in Reward Positivity/Feedback-Related Negativity During a Competitive Game Using Multilevel Modeling

Brian Howatt<sup>1</sup>, Matthew Wisniewski<sup>1</sup>, Michael Young<sup>1</sup>

<sup>1</sup>Kansas State University

#### D - Risk & Uncertainty

### 1-D-7 A gut feeling: how your gut and brain determine your choices

Aline Dantas<sup>1</sup>, Elisabeth Bruggen<sup>1</sup>, Peiran Jiao<sup>1</sup>, Alexander Sack<sup>1</sup>, Teresa Schuhmann<sup>1</sup>

\*\*Maastricht University\*\*

### 1-D-13 Surprising sounds influence decision making

Gloria Feng<sup>1</sup>, Robb Rutledge<sup>1</sup>

1 Yale University

## 1-D-14 Emotional Influence on Information Processing in Decisions under Uncertainty

Silvia Lopez-Guzman<sup>1</sup>, Santiago Sautua<sup>2</sup>

<sup>1</sup>National Institute of Mental Health NIMH,

<sup>2</sup>Universidad del Rosario

### 1-D-15 Incentives and arousal modulate the perception of value in risky choice

Abdelaziz Alsharawy<sup>1</sup>, Sheryl Ball<sup>2</sup>, Alec Smith<sup>2</sup>
<sup>1</sup>Princeton University, <sup>2</sup>Virginia Tech

1-D-16 Structural coherence of white-matter fiber tracts converging on the nucleus accumbens is associated with different aspects of risk preference

Loreen Tisdall<sup>1</sup>, Kelly MacNiven<sup>2</sup>, Josiah Leong<sup>3</sup>, Renato Frey<sup>1</sup>, Jörg Rieskamp<sup>1</sup>, Ralph Hertwig<sup>4</sup>, Brian Knutson<sup>2</sup>, Rui Mata<sup>1</sup> <sup>1</sup>University of Basel, <sup>2</sup>Stanford University, <sup>3</sup>University of Arkansas, <sup>4</sup>Max Planck Institute for Human Development

#### 1-D-31 Understanding How Individual Beliefs About Risk Contribute to Ambiguity Aversion

Jeffrey Dennison<sup>1</sup>, David Smith<sup>1</sup>
<sup>1</sup>Temple University

## 1-D-32 Modelling reversed framing effects in experience: Reference-based overweighting of extreme outcomes as a learning mechanism

Y.L. Doug Dong<sup>1</sup>, Kevin da Silva Castanheira<sup>1</sup>, Christopher Madan<sup>1</sup>, Ross Otto<sup>1</sup> <sup>1</sup>McGill University

#### 1-D-34 Imprecise Probabilistic Inference from Sequential Data

Arthur Prat-Carrabin<sup>1</sup>, Michael Woodford<sup>1</sup>
<sup>1</sup>Columbia University

#### E - Intertemporal Decision-Making & Self-Control

1-E-17 Temporal Variations in Caloric Intake and Body Weight Among Daily Users of a Mobile Self-Monitoring Application: Relationship between Tracking Compliance and Long-Term Weight Loss

Katherine Labonté<sup>1</sup>, Bärbel Knäuper<sup>1</sup>, Laurette Dubé<sup>1</sup>, Nathan Yang<sup>2</sup>, Daiva Nielsen<sup>1</sup>

\*\*McGill University, \*\*Cornell University\*\*

#### F - Social Behaviour

## 1-F-18 Social learning from advice and observation: how trust and reputation affect what we share and how we learn from others

Uri Hertz<sup>1</sup>

<sup>1</sup>University of Haifa

### 1-F-8 Neural representations of others' traits predict social decisions

Kenji Kobayashi<sup>1</sup>, Joseph Kable<sup>1</sup>, Ming Hsu<sup>2</sup>, Adrianna Jenkins<sup>1</sup>

<sup>1</sup>University of Pennsylvania, <sup>2</sup>University of California, Berkeley

#### **G** - Individual & Lifespan Differences

#### 1-G-6 From GWAS to Molecular and Social Pathways to Subjective Well-Being: An Empirical Analysis of the Canadian Longitudinal Study on Aging

Miguel Cisneros-Franco<sup>1</sup>, Catherine Paquet<sup>2</sup>, Daiva Nielsen<sup>1</sup>, Alain Dagher<sup>1</sup>, Patricia Silveira<sup>1</sup>, Laurette Dube<sup>1</sup>

<sup>1</sup>McGill University, <sup>2</sup>Universite Laval

#### **H- Learning & Memory**

# 1-H-19 A micro-genesis account of longer-form reinforcement learning (gain-calmness, loss-restlessness) in structured and unstructured environments

Ben Dyson<sup>1</sup>, Ahad Asad<sup>1</sup>

<sup>1</sup>University of Alberta

## 1-H-33 Anxiety increases the emotional impact of negative prediction errors during learning

Chang-Hao Kao<sup>1</sup>, Olivia Jorasch<sup>1</sup>, Robb Rutledge<sup>1</sup>

'Yale University

#### I - Valuation & Decision Making

#### 1-I-9 Information-seeking during COVID-19

Nathan Torunsky<sup>1</sup>, Kara Kedrick<sup>1</sup>, Iris Vilares<sup>1</sup>
<sup>1</sup>University of Minnesota - Twin Cities

### 1-I-10 Value Certainty in Drift-Diffusion Models of Preferential Choice

Douglas Lee<sup>1</sup>, Marius Usher<sup>2</sup>

<sup>1</sup>Institute of Cognitive Sciences and

Technologies, National Research Council of Italy,

<sup>2</sup>Tel Aviv University

### 1-I-20 Context-dependent choice and evaluation in real-world consumer behavior

Ross Otto<sup>1</sup>, Sean Devine<sup>1</sup>, Aaron Bornstein<sup>2</sup>, Kenway Louie<sup>3</sup>

<sup>1</sup>McGill University, <sup>2</sup>University of California -Irvine, <sup>3</sup>NYU

### 1-I-21 Real-world decision making: does it require an ecological-social construct of self?

Gina Kemp, Georg Northoff<sup>1</sup>, Laurette Dubé<sup>2</sup>

<sup>1</sup>University of Ottawa Institute of Mental Health
Research (IMHR), <sup>2</sup>McGill University

#### 1-I-22 Eye-tracking in the assessment of subjective experience measures in virtual reality environment

Michal Gabay<sup>1</sup>, Tom Schonberg<sup>1</sup>

<sup>1</sup>Tel-Aviv University

## 1-I-24 Speed-accuracy tradeoffs in a disinhibition-based neural circuit model of decision-making

Bo Shen<sup>1</sup>, Paul Glimcher<sup>1</sup>, Kenway Louie<sup>2</sup>

<sup>1</sup>New York University Grossman School of Medicine, <sup>2</sup>New York University

## 1-I-25 Wait wait, Don't tell me! When curiosity prioritizes the information gathering process over the outcome

Abigail Hsiung<sup>1</sup>, Kelly Eom<sup>1</sup>, Jia-Hou Poh<sup>1</sup>, Scott Huettel<sup>1</sup>, R. Alison Adcock<sup>1</sup>

\*Duke University

#### 1-I-26 Price heuristic hypothesis: Reconceptualizing price after a partly neuroeconomics-based theoretical study of price theory and the efficient markets hypothesis

John Haracz<sup>1</sup>

<sup>1</sup>Indiana University

## 1-I-30 Using process models to disentangle stimulus-driven and controlled processes during value-based decision making

Harrison Ritz<sup>1</sup>, Romy Frömer<sup>2</sup>, Amitai Shenhav<sup>2</sup>
<sup>1</sup>Brown University, <sup>2</sup>Brown University

#### 1-I-35 Theoretical models of contextappropriate adaptive learning

Leah Bakst<sup>1</sup>, Lena Schaefer<sup>1</sup>, Matthew Nassar<sup>2</sup>, Joseph McGuire<sup>1</sup>

<sup>1</sup>Boston University, <sup>2</sup>Brown University

## 1-I-96 The consequences of base rate neglect on sequential belief updating and real-world beliefs

Brandon Ashinoff<sup>1</sup>, Justin Buck<sup>1</sup>, Michael Woodford<sup>1</sup>, Guillermo Horga<sup>1</sup>

\*\*Columbia University\*\*

#### J - Emotion

#### 1-J-27 From valence to value: Neurocomputational mechanisms for transforming affect into decision-relevant information

Ian Roberts<sup>1</sup>, Azadeh HajiHosseini<sup>1</sup>, Cendri Hutcherson<sup>1</sup> <sup>1</sup>University of Toronto

## 1-J-28 Culture selectively shapes neural responses to social rewards

Elizabeth Blevins<sup>1</sup>, Michael Ko<sup>1</sup>, BoKyung Park<sup>2</sup>, Yang Qu<sup>3</sup>, Brian Knutson<sup>1</sup>, Jeanne Tsai<sup>1</sup> <sup>1</sup>Stanford University, <sup>2</sup>University of Texas at Dallas, <sup>3</sup>Northwestern University

#### **K** - Attention

#### 1-K-29 Gaze dynamics in many-option choice

Wenjia Joyce Zhao<sup>1</sup>, Armin Thomas<sup>2</sup>, Sudeep Bhatia<sup>3</sup>, Ian Krajbich<sup>1</sup> <sup>1</sup>The Ohio State University, <sup>2</sup>Stanford University, <sup>3</sup>University of Pennsylvania

#### Poster Session 2 Thursday, September 30, 2021 5:45pm – 7:15pm EDT

#### **B - Consumer Behavior & Marketing**

## 2-B-41 Neural responses clarify how eco-labels can promote energy-efficient purchases

Tara Srirangarajan<sup>1</sup>, Nik Sawe<sup>1</sup>, Anshuman Sahoo<sup>1</sup>, Grace Tang<sup>1</sup>, Brian Knutson<sup>1</sup>

\*\*Stanford University\*\*

#### D - Risk & Uncertainty

# 2-D-12 Late positive potential as a neurophysiological marker of evidence accumulation in social and non-social categorization

Hongbo Yu<sup>1</sup>, Sai Sun<sup>2</sup>, Jinge Wang<sup>3</sup>, Xin Li<sup>3</sup>, Shuo Wang<sup>4</sup>

<sup>1</sup>University of California Santa Barbara, <sup>2</sup>Tohoku University, <sup>3</sup>West Virginia University, <sup>4</sup>Washington University in St. Louis

## 2-D-42 ¬Controlling ambiguity: The illusion of control in decision-making under risk and ambiguity

Alex Berger<sup>1</sup>, Agnieszka Tymula<sup>1</sup>
<sup>1</sup>University of Sydney

### 2-D-43 The Impact of Background Ambiguity On Risk Taking

Agnieszka Tymula<sup>1</sup>, Vinayak Alladi<sup>1</sup>, Mahdi Akbari<sup>1</sup> <sup>1</sup>University of Sydney

## 2-D-44 Frontal but not parietal cortex is required for economic decisions under risk

Xiaoyue Zhu<sup>1</sup>, Joshua Möller-Mara<sup>1</sup>, Sylvain Dubroqua<sup>1</sup>, Chaofei Bao<sup>1</sup>, Jeffrey Erlich<sup>1</sup> <sup>1</sup>NYU Shanghai

## 2-D-45 Discovering the temporal correlation between environmental states and risk preferences

Zih-Yun Yan<sup>1</sup>, Paul Glimcher<sup>1</sup>

\*New York University\*

### 2-D-46 Decisions under risk in mice, rats, and humans

Joshua Moller-Mara<sup>1</sup>, Xiaoyue Zhu<sup>1</sup>, Sylvain Dubroqua<sup>1</sup>, Evgeniya Lukinova<sup>1</sup>, Jeffrey Erlich<sup>1</sup> <sup>1</sup>NYU Shanghai

#### E - Intertemporal Decision-Making & Self-Control

### 2-E-36 Deliberative evaluation in intertemporal choice is shaped by experiment structure

Nidhi Banavar<sup>1</sup>, Aaron Bornstein<sup>1</sup>
<sup>1</sup>University of California - Irvine

### 2-E-40 Investigating the link between neural reward reactivity and attention

Nitisha Desai<sup>1</sup>, Allison Londerée<sup>1</sup>, Eunbin Kim<sup>1</sup>, Dylan Wagner<sup>1</sup>, Ian Krajbich<sup>1</sup>, Kentaro Fujita<sup>1</sup> <sup>1</sup>The Ohio State University

## 2-E-47 Intertemporal choice reflects value comparison rather than self-control: insights from metacognitive confidence

Adam Bulley<sup>1</sup>, Karolina Lempert<sup>2</sup>, Colin Conwell<sup>1</sup>, Muireann Irish<sup>3</sup>, Daniel Schacter<sup>1</sup> <sup>1</sup>Harvard University, <sup>2</sup>University of Pennsylvania, <sup>3</sup>University of Sydney

#### 2-E-48 Quasi-hyperbolic present bias: a metaanalysis

Xueting Wang<sup>1</sup>, Stephen Cheung<sup>1</sup>, Agnieszka Tymula<sup>1</sup>

<sup>1</sup>Univeristy of Sydney

#### 2-E-49 Reaction Time and Impulsive Decision Making in a Delay Discounting Task

Lawrence Amsel<sup>1</sup>, Diana Rodriguez-Moreno<sup>1</sup>, Xiaoxiao Sun,<sup>1</sup>, Christina Hoven<sup>1</sup>, Yael Cycowicz<sup>1</sup> <sup>1</sup>Columbia University

#### F - Social Behaviour

#### 2-F-50 Connectome-based Individualized Prediction of Reciprocity Behavior in Give and Take Frames

Huihua Fang<sup>1</sup>, Chong Liao<sup>1</sup>, Fu Zhao<sup>2</sup>, Shuang Tian<sup>2</sup>, Yuejia Luo<sup>2</sup>, Pengfei Xu<sup>3</sup>, Frank Krueger<sup>4</sup>
<sup>1</sup>Department of Psychology, University of Mannheim, Mannheim, Germany, <sup>2</sup>Shenzhen Key Laboratory of Affective and Social Neuroscience, Magnetic Resonance Imaging Center, Cen, <sup>3</sup>Beijing Key Laboratory of Applied Experimental Psychology, Faculty of Psychology,

## 2-F-51 Exogenous melatonin affects behavioural reactions to unfair offers in the Ultimatum Game

Misa Kurihara<sup>1</sup>, Hideki Ohira<sup>1</sup>, Pranjal Mehta<sup>2</sup>
<sup>1</sup>Nagoya University, <sup>2</sup>University College London

## 2-F-64 Harm valuation in moral decisions shapes individual differences in two dimensions of utilitarianism

Yoonseo Zoh¹, Hongbo Yu², Luis Sebastian Contreras-Huerta³, Annayah M. B. Prosser⁴, Michel-Pierre Coll⁵, Matthew A. J. Apps⁶, Geoffrey Bird³, Walter Sinnott-Armstrong⁻, Steve W. C. Chang¹, Molly Crockett¹ ¹Yale University, ²University of California, Santa Barbara, ³Oxford University, ⁴University of Bath, ⁵McGill University, ⁶University of Birmingham, プDuke University

#### **G** - Individual & Lifespan Differences

### 2-G-38 Does endogenous variation in stress modulae risk and time preferences?

Evgeniya Lukinova<sup>1</sup>, Jeffrey Erlich<sup>1</sup>

<sup>1</sup>NYU Shanghai

# 2-G-52 Structural coherence of the medial forebrain bundle is associated with impulsivity and alcohol consumption in first-year college students

Kelly MacNiven<sup>1</sup>, Sarah Hudson<sup>2</sup>, Tara Srirangarajan<sup>3</sup>, Loreen Tisdall<sup>4</sup>, Brian Knutson<sup>3</sup> <sup>1</sup>Stanford, <sup>2</sup>University of California, Davis, <sup>3</sup>Stanford University, <sup>4</sup>University of Basel

#### H- Learning & Memory

### 2-H-53 The influence of presentation order on learning task structure

Ryan Gallagher<sup>1</sup>, William Alexander<sup>1</sup>

\*\*IFIorida Atlantic University\*\*

#### I - Valuation & Decision Making

## 2-I-23 A novel smartphone app to induce and study habits in humans

Rani Gera<sup>1</sup>, Segev Barak<sup>1</sup>, Tom Schonberg<sup>1</sup>

<sup>1</sup>Tel Aviv University

### 2-I-37 Escaping Arrow's Impossibility by Interpersonal Comparison of Neural Utility

Kaosu Matsumori<sup>1</sup>, Kazuki lijima<sup>1</sup>, Yukihito Yomogida<sup>1</sup>, Kenji Matsumoto<sup>1</sup> <sup>1</sup>Tamagawa University

### 2-I-39 Malleability of human altruism across choice contexts due to social cues

Lisa Bas<sup>1</sup>, John-Dennis Parsons<sup>1</sup>, Anita Tusche<sup>1</sup> <sup>1</sup>Queen's University

### 2-I-54 Pupil size reflects computational complexity of decisions in humans

Elizabeth Bowman<sup>1</sup>, Kristian Rotaru<sup>2</sup>, Pablo Franco<sup>1</sup>, Carsten Murawski<sup>1</sup>

<sup>1</sup>The University of Melbourne, <sup>2</sup>Monash University

# 2-I-55 If Artificial Intelligence Kills Consumers?: Decoding the Hot-Cold Organizational Dilemmas from the Multivariate Neural Patterns

Jin Ho Yun<sup>1</sup>, Eun-Ju Lee<sup>1</sup>

<sup>1</sup>Sungkyunkwan University (SKKU)

## 2-I-56 Two distinct patterns of EEG activity emerge during value-based choice, neither related to evidence accumulation

Romy Froemer<sup>1</sup>, Matthew Nassar<sup>1</sup>, Benedikt Ehinger<sup>2</sup>, Amitai Shenhav<sup>1</sup>

\*\*Brown University, \*\*2University of Stuttgart\*\*

#### 2-I-57 Cognitive Effort Discounting in ADHD-Diagnosed and Healthy Control Adolescents

Deborah Sevigny-Resetco<sup>1</sup>, Suzanne Mitchell<sup>1</sup>
\*\*Oregon Health and Science University\*\*

## 2-I-58 Decoding monetary and social reward anticipation using whole-brain multivariate pattern analysis

Huan Wang<sup>1</sup>, Elizabeth Blevins<sup>1</sup>, Jeanne Tsai<sup>1</sup>, Brian Knutson<sup>1</sup> <sup>1</sup>Stanford University

## 2-I-61 Meta-Analysis of Explore-Exploit Decisions Reveals Convergence in the Salience Network

Daniel Sazhin<sup>1</sup>, Amanda Nguyen<sup>1</sup>, David Smith<sup>1</sup>
<sup>1</sup>Temple University

# 2-I-62 Willingness-to-pay for social experiences: How social cognitive functioning relates to individuals' choices between social and non-social experiences

Melanie Ruiz<sup>1</sup>, Joanne Stasiak<sup>2</sup>, Peter Sokol-Hessner<sup>3</sup>, David Smith<sup>4</sup>, Dominic Fareri<sup>1</sup>
<sup>1</sup>Adelphi University, <sup>2</sup>University of California--Santa Barbara, <sup>3</sup>University of Denver, <sup>4</sup>Temple University

## 2-I-63 Task complexity and experience dictate the use of online, versus offline, planning in humans

Jungsun Yoo¹, Aaron Bornstein¹
¹University of California, Irvine

## 2-I-65 Humans learn prototype states and dynamically generate decision boundaries during economic choices

Warren Pettine<sup>1</sup>, Dhruva Raman<sup>2</sup>, A Redish<sup>3</sup>, John Murray<sup>1</sup>

<sup>1</sup>Yale School of Medicine, <sup>2</sup>Cambridge University,

<sup>3</sup>University of Minnesota

#### **K** - Attention

#### 2-K-59 Evaluating the evidence for preferencebased attentional capture in binary choice

Xiaozhi Yang<sup>1</sup>, Blair Shevlin<sup>1</sup>, Ian Krajbich<sup>1</sup>

<sup>1</sup>The Ohio State University

#### L - Methodological Development

## 2-L-60 How multi-slice FMRI acquisition can compromise detection of mesolimbic reward responses

Leili Mortazavi<sup>1</sup>, Tara Srirangarajan<sup>1</sup>, Brian Knutson<sup>1</sup> <sup>1</sup>Stanford University

## 2-L-66 Is Poverty Low Control over Queue Priorities?

Marcos Gallo<sup>1</sup>, Kavya Rajagopalan<sup>1</sup>, Colin Camerer<sup>1</sup> <sup>1</sup>California Institute of Technology

# Poster Session 3 Friday, October 1, 2021 9:00am – 10:30am EDT

#### A - Finance

## 3-A-72 Can brain activity of financial professionals forecast stock market performance?

Leo van Brussel<sup>1</sup>, Ale Smidts<sup>1</sup>, Roeland Dietvorst<sup>2</sup>, Maarten Boksem<sup>1</sup> <sup>1</sup>Erasmus University Rotterdam, <sup>2</sup>NN Investment Partners

#### **B - Consumer Behavior & Marketing**

## 3-B-94 Consumer responses to narrative advertising: do narrativity level and channel type play a role?

Aline Simonetti<sup>1</sup>, Hossein Dini<sup>2</sup>, Diego Candia-Rivera<sup>3</sup>, Luis Bruni<sup>2</sup>, Enrique Bigne<sup>1</sup>

<sup>1</sup>University of Valencia, <sup>2</sup>Aalborg University,

<sup>3</sup>University of Pisa

#### **C - Game Theory & Strategic Interactions**

## 3-C-73 Neurocomputational mechanisms engaged in detecting cooperative and competitive intentions of others

Rémi Philippe<sup>1</sup>, Rémi Janet, Koosha Khalvati<sup>2</sup>, Rajesh P. Rao<sup>2</sup>, Jean-Claude Dreher<sup>1</sup> <sup>1</sup>CNRS, <sup>2</sup>University of Washington

#### D - Risk & Uncertainty

## 3-D-75 Asymmetric social contagion effect in risk but not in ambiguity decision making

Deng Pan<sup>1</sup>, Qingtian Mi<sup>1</sup>, Lusha Zhu<sup>1</sup>, Jian Li<sup>1</sup>

1Peking University

## 3-D-76 The functional roles of right DLPFC and VMPFC in risk-taking behavior

Aline Dantas<sup>1</sup>, Elisabeth Bruggen<sup>1</sup>, Peiran Jiao<sup>1</sup>, Alexander Sack<sup>1</sup>, Teresa Schuhmann<sup>1</sup>

\*\*Maastricht University\*\*

#### E - Intertemporal Decision-Making & Self-Control

## 3-E-68 Goal-dependent recalibration of hippocampal representations facilitates self-control

Micah Edelson<sup>1</sup>, Todd Hare<sup>1</sup>
<sup>1</sup>University of Zurich

Dublin, ⁴INSEAD

#### 3-E-69 Does COVID-related stress affect selfcontrol and the ability to make healthy food choices?

Marie Falkenstein<sup>1</sup>, Felix Nitsch<sup>2</sup>, Leonie Koban<sup>1</sup>, Aiqing Ling<sup>3</sup>, Tobias Kalenscher<sup>2</sup>, Hilke Plassmann<sup>4</sup> <sup>1</sup>Sorbonne University, <sup>2</sup>Heinrich-Heine-Universität Düsseldorf, <sup>3</sup>University College

# 3-E-77 Cognitive reward control recruits medial and lateral frontal cortices, which are also involved in cognitive emotion regulation A coordinate-based meta-analysis of fMRI studies

Zarah Le Houcq Corbi<sup>1</sup>, Felix Brandl, Satja Mulej Bratec, Christian Sorg <sup>1</sup>Ludwig Maximilian University of Munich

#### 3-E-78 Neural oscillations implementing selfcontrol in intertemporal choice

Georgia Eleni Kapetaniou<sup>1</sup>, Marius Moisa<sup>2</sup>, Christian Ruff<sup>2</sup>, Philippe Tobler<sup>2</sup>, Alexander Soutschek<sup>1</sup>

<sup>1</sup>Ludwig Maximilian University Munich, <sup>2</sup>University of Zurich

#### F - Social Behaviour

## 3-F-79 Perceptions of others' social affect and social cognition influences prosocial behavior

Leticia Micheli<sup>1</sup>, Christina Breil<sup>1</sup>, Anne Böckler<sup>1</sup>

<sup>1</sup>Leibniz University Hannover

#### **G** - Individual & Lifespan Differences

## 3-G-80 Human brain anatomy reflects separable genetic and environmental components of socioeconomic status

Hyeokmoon Kweon<sup>1</sup>, Gökhan Aydogan, Alain Dagher, Danilo Bzdok, Christian Ruff, Gideon Nave, Martha Farah, Philipp Koellinger <sup>1</sup>VU Amsterdam

#### 3-G-81 Aging and reinforcement learning

Wei-Hsiang Lin<sup>1</sup>, Marina Kunchulia<sup>2</sup>, Michael Herzog<sup>1</sup>

<sup>1</sup>EPFL, <sup>2</sup>Free University of Tbilisi

## 3-G-82 Age is associated with increased but more biased prosocial behaviour across the globe

Jo Cutler<sup>1</sup>, Jonas Nitschke<sup>2</sup>, Claus Lamm<sup>2</sup>, Patricia Lockwood<sup>3</sup>

<sup>1</sup>The University of Birmingham, <sup>2</sup>University of Vienna, <sup>3</sup>University of Birmingham

#### H- Learning & Memory

### 3-H-67 Episodic decision-making via a process of cascading episodic sampling (CASES)

Achiel Fenneman<sup>1</sup>, Alan Sanfey<sup>2</sup>
<sup>1</sup>Radboud University Nijmegen / Rhine-Waal
University of Applied Science, <sup>2</sup>Radboud
University Nijmegen

#### I - Valuation & Decision Making

### 3-I-70 Parallel representation of context and multiple context-dependent values in ventromedial prefrontal cortex

Nir Moneta<sup>1</sup>, Mona Garvert<sup>2</sup>, Hauke Heekeren<sup>3</sup>, Nicolas Schuck<sup>1</sup>

<sup>1</sup>Max Planck Institute for Human Development Berlin, <sup>2</sup>Max Planck Institute for Human Cognitive and Brain Sciences, <sup>3</sup>Freie Universität Berlin

### 3-I-83 Neurocomputational processes of inferring others' preferences for information

Valentin Guigon<sup>1</sup>, Julien Benistant<sup>1</sup>, Marie Claire Villeval<sup>1</sup>, Jean-Claude Dreher<sup>1</sup> <sup>1</sup>CNRS

#### 3-I-84 How robust is rationality?

Felix Nitsch<sup>1</sup>, Tobias Kalenscher<sup>1</sup>

1HHU Düsseldorf

### 3-I-85 Is SAT Implemented by Adjusting the Frequency Threshold?

Marcin Penconek<sup>1</sup>

<sup>1</sup>University of Warsaw

### 3-I-86 Preferential and perceptual context effects

Dimitris Katsimpokis<sup>1</sup>, Laura Fontanesi<sup>1</sup>, Jörg Rieskamp<sup>1</sup>

<sup>1</sup>University of Basel

## 3-I-87 A reinforcement learning race diffusion model accounts for effects of learning contexts on choices and response times

Laura Fontanesi<sup>1</sup>, Amir Hosein Hadian Rasanan<sup>2</sup>, Jamal Amani Rad<sup>2</sup>, Sebastian Gluth<sup>3</sup>, Jörg Rieskamp<sup>1</sup>

<sup>1</sup>University of Basel, <sup>2</sup>Shahid Beheshti University, <sup>3</sup>University of Hamburg

# 3-I-88 Economic valuation in the brain: An activation likelihood estimation meta-analysis of fMRI data involving a willingness-to-pay contrast

Alice Newton-Fenner<sup>1</sup>, Danielle Hewitt<sup>1</sup>, Jessica Henderson<sup>1</sup>, Nick Fallon<sup>1</sup>, Carl Roberts<sup>1</sup>, Andrej Stancak<sup>1</sup>

<sup>1</sup>University of Liverpool

### 3-I-89 People adaptively use information to alter internal and external states

Irene Cogliati Dezza¹, Christina Maher¹, Tali Sharot¹

<sup>1</sup>University College London

## 3-I-91 Evidence Accumulates for Individual Attributes during Value-Based Decisions

Douglas Lee<sup>1</sup>, Todd Hare<sup>2</sup>

<sup>1</sup>Institute of Cognitive Sciences and

Technologies, National Research Council of Italy,

<sup>2</sup>University of Zurich

#### 3-I-93 Late integration of prior belief in driftdiffusion models

Stefan Bucher<sup>1</sup>, Paul Glimcher<sup>2</sup>

<sup>1</sup>University of Tübingen / Max Planck Institute,

<sup>2</sup>New York University

## 3-I-95 Brain functional connectivity predicts choice inconsistency

Asaf Madar<sup>1</sup>, Vered Kurtz-David<sup>2</sup>, Adam Hakim<sup>1</sup>, Ido Tavor<sup>1</sup>, Dino Levy<sup>1</sup>

<sup>1</sup>Tel Aviv University, <sup>2</sup>New York University

#### J - Emotion

# 3-J-71 Browsing under threat: high-level features of web searches altered during the pandemic and predicted population stress levels

Christopher Kelly<sup>1</sup>, Bastien Blain<sup>1</sup>, Tali Sharot<sup>1</sup>
<sup>1</sup>University College London

#### 3-J-97 Curiosity for information predicts wellbeing during COVID-19 Pandemic: contributions of loneliness and daily lifestyle

Annabel Losecaat Vermeer<sup>1</sup>, Anne-Katrin Muth<sup>1</sup>, Damiano Terenzi<sup>1</sup>, Soyoung Park<sup>1</sup> <sup>1</sup>German Institute of Human Nutrition, Potsdam-Rehbrücke

### 3-J-98 Effects of apathy and depression on mood and vigor

Huw Jarvis<sup>1</sup>, Akshay Nair<sup>1</sup>, Robb Rutledge<sup>1</sup>

<sup>1</sup>Yale University

#### L - Methodological Development

## 3-L-92 Consistency within change: Evaluating the psychometric properties of the predictive-inference task

Alisa Loosen<sup>1</sup>, Tricia Seow<sup>1</sup>, Tobias Hauser<sup>1</sup>
<sup>1</sup>University College London

#### M - Social Rewards & Social Preferences

### 3-M-90 A neuro-computational study of moral contagion

Julien Benistant<sup>1</sup>, Valentin Guigon<sup>1</sup>, Alain Nicolas<sup>2</sup>, Jean Claude Dreher<sup>1</sup> <sup>1</sup>CNRS, <sup>2</sup>Centre Hospitalier le Vinatie