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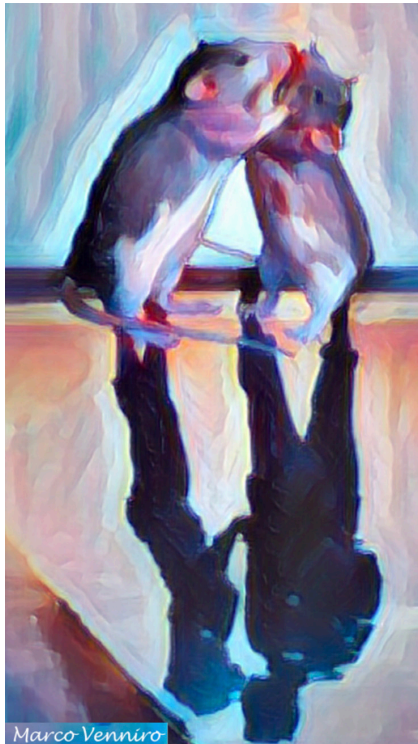
EUROPEAN BEHAVIOURAL  
PHARMACOLOGY SOCIETY

## Biennial Workshop

# Spanning the spectrum of social behavior: towards more translationally relevant animal models

**Roma June 24 - 25 - 26, 2022**

Acquario Romano - Piazza Manfredo Fanti 47



## Friday June 24<sup>th</sup>, 2022

- 2:00 PM Arrival and registration
- 5:00 PM Welcome from Co-Chairs: **Marco Venniro**, **Sam Golden**, **Daniele Caprioli**, **Valeria Carola**, **Valentina Ferretti**, **Carlo Cifani**
- 5:15 PM EBPS Power Hour: **Leslie Ramsey** (National Institute on Drug Abuse, USA) & **Kimberlei Richardson** (Howard University College of Medicine, USA)

The 2022 EBPS Workshop Power Hour is an optional informal dynamic and interactive gathering open to all meeting participants. It is designed to help address the challenges women and under-represented minorities face in science and support the professional growth of women and under-represented minorities in our communities by providing an open forum for discussion and mentoring.

- 6:15 PM Mentor-Mentee Meeting
- 7:00 PM Welcome Reception (food and beverages provided)

## Saturday June 25<sup>th</sup>, 2022

- 8:30 AM Keynote 1: **Camilla Bellone** (Universite de Geneve, Switzerland) - Neuronal circuits underlying social motivation
- 9:30 AM **SESSION 1: The importance of social behavior in addiction neuroscience**  
Discussion Leader: **Yavin Shaham** (National Institute on Drug Abuse, USA) & **Marco Venniro** (University of Maryland School of Medicine, USA)
- Bernard Johnson** (Wake Forest University, USA) - Influence of Social Status on Cocaine Self-Administration, Dopamine and Kappa Receptor Availability in Female and Male Cynomolgus Monkeys
- Christelle Baunez** (Institut de Neurosciences de la Timone, France) - Modeling the social context during drug intake in the rat: role of the subthalamic nucleus as neurobiological substrate
- Michael Bardo** (University of Kentucky, USA) - Peer-elicited drug seeking
- Irene Perini** (Linkoping University, Sweden) - Probing human social behavior in experimental settings
- 11:00 AM Coffee break and snacks
- 11:30 AM **SESSION 2: Affiliate social reward and social play in rats**  
Discussion Leader: **Viviana Trezza** (Roma 3 University, Italy)
- Marijke Achterberg** (Utrecht University, The Netherlands) - Pathways to play: Effects of DA-neuron activation on the expression of motivation for social play
- Inbal Ben-Ami Bartal** (Tel Aviv University, Israel) - Neural correlates of prosocial behavior in rats
- Alexa H. Veenema** (Michigan State University, USA) - Neural circuitry of social play: involvement of oxytocin and vasopressin
- Gerald Zernig** (Innsbruck University, Austria) - Conditioned place preference for dyadic social interaction in rats and mice: Findings and caveats

- 1:00 PM Lunch
- 2:30 PM **SESSION 3: Affiliative social reward in mice and voles**  
 Discussion Leader: **Camilla Bellone** (Universite de Geneve, Switzerland)
- Francesco Papaleo** (Istituto Italiano di Tecnologia, Italy) - Cortico-cortical transfer of socially derived information gates emotion discrimination  
**Leslie Ramsey** (National Institute on Drug Abuse, USA) - In search of prefrontal cortical neuronal ensembles that encode volitional social interaction in mice  
**Ann Clemens** (University of Edinburgh, UK) - Neural circuits of kinship behaviour  
**Zoe Donaldson** (University of Colorado Boulder, USA) - Prolonged partner separation erodes transcriptional signatures of pair bonding in prairie voles
- 4:00 PM Coffee break and snacks
- 4:30 PM Keynote 2: **Nora Volkow** (National Institute on Drug Abuse, USA) - Social determinants of drug use and addiction
- 5:30 PM **Poster Session 1** (Odd numbers)
- 7:30 PM Gala Dinner at "Palazzo Brancaccio"

## Sunday **June 26<sup>th</sup>**, 2022

- 8:30 AM Keynote 3: **Alon Chen** (Weizmann Institute, Israel) - A paradigm shift in mouse phenotyping to bridge the translational gap in psychiatry
- 9:30 AM **SESSION 4: Aggression as a social reinforcer in rodents**  
 Discussion Leader: **Klaus Miczek** (Tufts University, USA) & **Sam Golden** (Washington University, USA)
- Emily Newman** (Harvard University, USA) - An amygdala Crh+ cell activity signature for attack initiation  
**Valeria Carola** (Sapienza University of Rome, Italy) - Exposure to a threatening social environment at an early age induces permanent behavioral and neurodevelopmental alterations  
**Christian Broberger** (Stockholm University, Sweden) - A phenotype-dimorphic center for aggressive behaviour in the mouse hypothalamus  
**Aki Takahashi** (Tsukuba University, Japan) - Neural circuit for aggressive arousal induced by provocation in male mouse
- 11:00 AM Coffee break and snacks
- 11:15 AM **SESSION 5: Data Blitz for student 1**  
 Discussion Leader: **Ingrid Reverte** (Sapienza University of Rome, Italy) & **Clarissa Catale** (IBENS, École Normale Supérieure, France)
- Maria Bove** (University of Foggia, Italy) - N-acetylcysteine reduces repetitive behaviours and neuroinflammation in a mouse model of ketamine-induced Autism Spectrum Disorders-like symptoms  
**Maria Giulia Coccia** (University of Milan, Italy) - Prosocial and selfish choices depend on cortico-amygdala reciprocal connections

**Cody Lis** (University of Maryland School of Medicine, USA) - A role for the OFC in the flexibility of social vs drug choice  
**Ginevra D'Ottavio** (Sapienza University of Rome, Italy) - Evidence for heroin-induced social isolation in the rat  
**Francesca Mottarlini** (University of Milan, Italy) - Activity-based anorexia alters cortical and hippocampal structural plasticity during adolescence: effects on cognition  
**Joel Raymond** (University of Sydney, Australia) - Exploring parameters influencing social motivation in rats using behavioural economics and social operant conditioning

12:15 PM Lunch

12:45 PM **Poster Session 2** (Even numbers)

1:15 PM **SESSION 6: Data Blitz for student 2**

Discussion Leader: **Ingrid Reverte** (Sapienza University of Rome, Italy)  
**& Clarissa Catale** (IBENS, École Normale Supérieure, France)

**Yair Shemesh** (Weizmann Institute, Israel) - Territorial aggression is mediated via two parallel neuropeptide pathways

**Antonino Casile** (University of Camerino, Italy) - A new animal model of Internet Gaming Disorder (IGD): sexual differences in behavior and brain activity

**Kimberly Papastrat** (University of Maryland School of Medicine, USA) - Olfaction drives socio-sensory buffering of drug choice

**Henriette Nyberg** (Oslo University, Northway) - Prenatal opioid exposure and social play behavior

**Bree Humburg** (University of Kentucky, USA) - A social peer renews cocaine seeking: a potential role of oxytocin

**Jackson Ham** (University of Lethbridge, Canada) - I choose you: Rats show partner preferences in social play

2:15 PM Keynote 4: **Lique Coolen** (Kent State University, USA) - Sexual reward experiences influence drug seeking behavior

3:15 PM **SESSION 7: Technologies to advance the study of complex social behavior**

Discussion Leader: **Ofer Yizhar** (Weizmann Institute, Israel)

**Ann Kennedy** (Northwestern University, USA) - Hypothalamic correlates of internal motivational states in interacting mice

**Cornelius Gross** (European Molecular Biology Laboratory, Italy) - Experience-dependent remodeling of an innate social fear circuit

**Catherine Thomas & Francisco Rodrigues** (Mightex Systems) - Multi-region cellular resolution imaging and optogenetics during social behaviours with the Mightex OASIS Implant

**Fabrizio Sitzia** (Inscopix) - Miniscope imaging during free behavior with the Inscopix Platform

4:45 PM Coffee break

5:00 PM Keynote 5: **Ofer Yizhar** (Weizmann Institute, Israel) - Representation of social information and autism-associated dysfunction in the mouse prefrontal cortex

6:00 PM Departure

## The Scientific Committee



**Marco Venniro**  
University of Maryland,  
Baltimore, USA



**Daniele Caprioli**  
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**Sam Golden**  
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## Acknowledgments



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