



## Wednesday . August 28<sup>th</sup>

- 15h00 – 16h30**    **Registration** (Hotel Lobby | Ground floor)
- 16h30 - 17h30**    **Workshop Special Talk** Minho Room  
*Molecular Systems Neuroscience of Memory Linking*  
**Speaker:** Alcino Silva (UCLA, USA)  
**Chair:** Nuno Sousa (University of Minho, Portugal)
- 17h30 – 18h00**    **Opening Ceremony (Minho Room)**
- 18h00 - 19h00**    **Opening Lecture**  
*Promises and pitfalls of translational research in addiction*  
**Chair:** John Cryan (University of Cork, Ireland)  
**Speaker:** Harriet de Wit (University of Chicago, USA)
- 19h00 – 21:00**    **Welcome Reception - Cocktail** (Hotel Lobby | Ground floor)

## Thursday . August 29<sup>th</sup>

- 8h30 – 10h30**  
Minho Room    **Symposium 1 Nature, nurture and redemption: how human cross-sectional imaging studies of cocaine users are informed by longitudinal clinical and preclinical research**  
**Chair:** Charles Bradberry (NIH/NIDA, USA)  
**Speakers:** Hugh Garavan (University of Vermont, USA), Rita Goldstein (Icahn School of Medicine at Mount Sinai, USA), Charlie Bradberry (NIH/NIDA, USA), Marcelo Febo (University of Florida College of Medicine, USA)
- Braga I room    **Symposium 2 Neuropharmacology and Neurogenetics of Aggression as Reward**  
**Chair:** Klaus Miczek (Tufts University, USA), Rosa M. M. de Almeida (Brazil )  
**Speakers:** Herbert Covington III (Tufts University, USA), Jozsef Haller (Budapest, Hungary), Sam Golden (UWashington, USA), Dayu Lin (NYU, USA),
- Braga II room    **Symposium 3 Orexin as a critical mediator of cortical and subcortical regulation of motivated behaviors**  
**Chair:** Paolo Campus (University of Michigan, USA), Ben Boutrel (University of Lausanne, Switzerland)  
**Speakers:** Benjamin Boutrel (University of Lausanne, Switzerland), Paolo Campus (University of Michigan, USA), Alessandra Matzeu (The Scripps Research Institute, USA), Morgan James (Rutgers University, USA)
- 10h30 - 11h00**    **Coffee break**
- 11h00 - 13:00**  
Minho Room    **Symposium 4 Modelling comorbidity of chronic pain and affective disorders: towards improved mechanistic understanding and treatment**  
**Chair:** Hugo Leite-Almeida (University of Minho, Portugal), Esther Berrocoso (Universidad de Cadiz, Spain)  
**Speakers:** David Finn (National University of Galway, Ireland), Esther Berrocoso (Universidad de Cadiz, Spain), Hugo Leite-Almeida (University of Minho, Portugal), Ypek Yalcin (Université de Strasbourg, France)
- Braga I room    **Symposium 5 Novel insights into the molecular mechanisms and cell ensembles regulating the neural circuits underlying negative emotion**  
**Chairs:** Andrew Holmes (NIH, Bethesda, USA), Carmen Sandi (Brain Mind Institute, Switzerland)  
**Speakers:** Shona Chattarji (NCBS, Bangalore, India), Gisella Vetere (ESPCI Paris, France), Andrew Holmes (NIH, Bethesda, USA), Meltem Weger (Brain Mind Institute, Switzerland).
- Braga II room    **Symposium 6 Recent insights into mesocorticolimbic circuit mechanisms of appetitive behaviours**  
**Chair:** Eisuke Koya (University of Sussex, UK)  
**Speakers:** Jamie McCutcheon (University of Leicester, UK), Kate Wassum (Brain Research Institute, UCLA, USA), Mihaela Iordanova (Concordia University, Canada), Leslie Whitaker (NIDA IRP/NIH, USA)
- 13h00-14h00**    **Lunch** (FC Meeting | Level Lounge Room)
- 14h00-15h30**    **Poster Session I** (Hotel Lobby | Ground floor) - **Poster 1-80**

- 15h30-16h30** **Plenary Lecture** (Minho Room)  
***Habenular regulation of obesity-related abnormalities in food preference and motivation***  
**Chair:** Louk Vanderschuren (Utrecht University, Netherlands)  
**Speaker:** Paul Kenny (Icahn School of Medicine at Mount Sinai, USA)
- 16h30-17h00** **Coffee break**
- 17h00-17h30** ***Alternative nondrug rewards to treat drug addiction: system, circuit and cellular mechanisms***  
**Speaker:** Marco Venniro (NIH/National Institute on Drug Abuse, USA) | (Minho Room)
- 17h30-18h30** **Oral Presentations Session I** (Minho Room) | Marie Le May, Lauren Seabrook, Catherine Thomas, Leah Mayo, Youna Vandaele  
**Oral Presentations Session II** (Braga I Room) | Sarah Swinford-Jackson, Ludovica Maddalena Rossi, Peter Vento, Amanda Iglesias, Allyson Andrade

## Friday . August 30<sup>th</sup>

### 8h30 – 10h30

Minho Room **Symposium 7 *Taking a rewarding trip down memory lane paved with ensembles and engrams***  
**Chair:** Leslie Whitaker (NIDA IRP/NIH, USA)  
**Speakers:** Karine Guillem (Université de Bordeaux, France), Denise Cai (Icahn School of Medicine at Mount Sinai, USA), Rajtarun Madangopal (NIDA IRP/NIH, USA), Michel Vanden Oever (VU Amsterdam, The Netherlands)

Braga I room **Symposium 8 *Novel pharmacological approaches toward remediating negative symptoms in schizophrenia***  
**Chair:** Mark Geyer (University of California San Diego, USA)  
**Speakers:** Herbert Meltzer (Northwestern University, USA), Emma Robinson (Bristol, UK), Agnieszka Nikiforuk (Institute of Pharmacology Polish Academy of Sciences, Poland), Mark Geyer (University of California San Diego, USA)

Braga II room **Symposium 9 *Reward, stress and effort in food related decision-making***  
**Chair:** Merce Correa Sanz (University Jaume I, Spain), Roger Adan (University Medical Center Utrecht, The Netherlands)  
**Speakers:** Harriët Schellekens (University College Cork, Ireland), Marie Le May (University of Gothenburg, Sweden), Roger Adan (University Medical Center Utrecht, The Netherlands), Laura López-Cruz (University of Cambridge, UK)

### 10h30 - 11h00

### 11h00 - 13:00

Minho Room **Symposium 10 *Putting the effort in: translational models of the allocation and application of effort and its role in psychiatric illness***  
**Chair:** Catharine Winstanley (University of British Columbia, Canada), Jared Young (University of California San Diego, USA)  
**Speakers:** Catharine Winstanley (University of British Columbia, Canada), Jared Young (University of California San Diego, USA), Roshan Cools (Donders Institute, The Netherlands), Renee Rotolo (University of Connecticut, USA)

Braga Room **Symposium 11 *Opioids and opioid use disorder: What we know and what we (still) don't know***  
**Chair:** Aldo Badiani (University of Sussex, UK), Fernando Boix Escolan (Oslo University Hospital, Norway)  
**Speakers:** Fernando Boix Escolan (Oslo University Hospital, Norway), Aldo Badiani (University of Sussex, UK), Siri Leknes (University of Oslo, Norway)

Braga II room **Symposium 12 *Emerging strategies for the treatment of stress-related psychiatric disorders***  
**Chair:** Olivia O'Leary (University College Cork, Ireland)  
**Speakers:** Olivia O'Leary (University College Cork, Ireland), Irwin Lucki (Uniformed Services University of the Health Sciences, Maryland, USA), Sâmia Joca (Aarhus University, Denmark), Sayamwong Hammack (University of Vermont, USA)

### 13h00-14h00

### 14h00-15h00

#### **Lunch** (AGM | Minho Room)

**Plenary Lecture** (Minho Room)  
***How neuronal circuits can shape "immune behavior"***  
**Chair:** Nuno Sousa (University of Minho, Portugal)  
**Speaker:** Asya Rolls (Israel Institute of Technology, Israel)

### 15h00-16h30

### 16h30-17h00

### 17h00-19h00

Minho Room **Symposium 13 *A role for the Insular cortex in Alcohol and Substance Use Addictions?***  
**Chair:** Wolfgang Sommer  
**Speakers:** Theodora Duka (School of Psychology, University of Sussex, UK), Angelo Bifone (University of Torino, Italy), Petri Hyytia (University of Helsinki, Finland), Yavin Shaham (NIDA/NIH, Baltimore, USA),

Braga I room

**Symposium 14 *Punishment and aversive decision-making: Basic mechanisms and clinical applications***

**Chair:** Gavan McNally (University of New South Wales, Australia)

**Speakers:** Rutsuko Ito (University of Toronto Scarborough, Canada), Nathan Marchant (Amsterdam UMC, Netherlands), Chiara Giuliano (University of Cambridge, UK), Phil Jean-Richard-Dit-Bressel (University of New South Wales, Australia)

Braga II room

**Symposium 15 *Peripheral mediated changes to motivational salience***

**Chair:** Richard O'Connor (Icahn School of Medicine at Mount Sinai, USA)

**Speakers:** Richard O'Connor (Icahn School of Medicine at Mount Sinai, USA), Dana Small (Yale School of Medicine, USA), Suzanne Dickson (University of Gothenburg, Sweden), Ivan De Araujo (Icahn School of Medicine at Mount Sinai, USA)

19:30

**Gala dinner** (Colunata Eventos | Bom Jesus)

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## Saturday . August 31<sup>st</sup>

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8h30 – 09h30

**Plenary lecture** (Minho Room)

***How we got alcohol addiction wrong: One lever at a time***

**Chair:** Christelle Baunez (Institut de Neurosciences de la Timone, France)

**Speaker:** Markus Heilig (Linköping University, Sweden)

09h30-11:30

Minho Room

**Symposium 16 *Role of neuroinflammation and glial mechanisms in anxiety and depression: novel therapeutic approaches***

**Chair:** Nicolas Singewald (University of Innsbruck, Austria)

**Speakers:** Raffaella Molteni (University of Milan, Italy), Nicolas Singewald (University of Innsbruck, Austria), Luisa Pinto (University of Minho, Portugal), Ana João Rodrigues (University of Minho, Portugal)

Braga I room

**Symposium 17 *The need for weed: Emerging roles of cannabis and cannabinoids in reward-related behaviours***

**Chair:** Steve Mahler (University of California Irvine, USA)

**Speakers:** Daniele Piomelli (University of California, USA), Rita Fuchs (Washington State University, USA), Stephen Mahler (University of California Irvine, USA), Donna Calu (University of Maryland, USA), Sade Spencer (University of Minnesota, USA)

Braga II room

**Symposium 18 *Brain circuits of prosocial behavior***

**Chair:** Louk Vanderschuren (Utrecht University, Netherlands), Marijke Achterberg (Utrecht University, Netherlands)

**Speakers:** Siri Leknes (University of Oslo, Norway), Christian Keysers (Netherlands Institute for Neuroscience, University of Amsterdam, Netherlands), Marijn van Wingerden (Heinrich Heine University Duesseldorf, Germany), Alexa Veenema (Michigan State University, USA)

11h30-12h00

**Coffee break**

12h00-14h00

Minho Room

**Symposium 19 *Novel opioid agonist-based medications for pain and opioid addiction***

**Chair:** Yavin Shaham (NIDA-NIH, Baltimore, USA)

**Speakers:** Drew Townsend (VCU, USA), Stephen Husbands (Bath U, UK), Nurulain Zaveri (Astraea Therapeutics, USA), Jennifer Bossert (NIH/NIDA, USA)

Braga I room

**Symposium 20 *Where dopaminergic and cholinergic systems interact: a gateway for tuning neurological and psychiatric disorders***

**Chair:** Giovanna Paolone (University of Verona, Italy)

**Speakers:** Ioannis Sotiropoulos (University of Minho, Portugal), Marianne Amalric (CNRS, Marseille, France), Tommy Pattj (VU University Medical Center, Netherlands), Giovanna Paolone (University of Verona, Italy)

Braga II room

**Symposium 21 *The transcriptomic basis of neuronal function and behaviour***

**Chair:** Anand Gururajan (Brain & Mind Centre, University of Sydney, Australia)

**Speakers:** Anand Gururajan (Brain & Mind Centre, University of Sydney, Australia), Dan Ohtan-Wang (Kyoto University, Japan), David Slattey (University of Frankfurt, Germany), Iiris Hovatta (University of Helsinki, Finland)

14h00-14h30

**Closing Ceremony** (Minho Room)