



Universidade do Minho  
Escola de Psicologia



# First joint Portuguese-Spanish Meeting on Comparative Psychology

## XXVI Meeting of the Spanish Society for Comparative Psychology



**Braga, Portugal**

September 2014

# Program overview

## Wednesday, September 10

8:30 – 9:00	Registration	South entrance
9:00 – 9:30	Opening address	EPsi Multimedia Center Amphitheater
9:30 – 11:10	Latent inhibition	EPsi Multimedia Center Amphitheater
11:10 – 11:30	Coffee break	Ground floor hallway
11:30 – 11:40	Tribute to Nestor Schmajuk	EPsi Multimedia Center Amphitheater
11:40 – 12:40	APPE Keynote Address: Alex Kacelnik	EPsi Multimedia Center Amphitheater
12:40 – 14:20	Lunch break	<i>Panorâmico</i>
14:20 – 15:40	Polydipsia I	EPsi Multimedia Center Amphitheater
15:40 – 16:40	Evolution and optimization	EPsi Multimedia Center Amphitheater
16:40 – 17:40	Poster session I and coffee break	Ground floor hallway
17:40 – 19:00	Taste conditioning	EPsi Multimedia Center Amphitheater
21:00	Opening cocktail	<i>Hotel Meliã</i>

## Thursday, September 11

8:30 – 9:50	Learning and health	EPsi Multimedia Center Amphitheater
9:50 – 11:10	Discrimination learning	EPsi Multimedia Center Amphitheater
11:10 – 11:30	Coffee break	Ground floor hallway
11:30 – 12:30	SEPEX Keynote Address: Cecilia Heyes	EPsi Multimedia Center Amphitheater
12:30 – 14:20	Lunch break	<i>Panorâmico</i>
14:20 – 15:40	Polydipsia II	EPsi Multimedia Center Amphitheater
15:40 – 16:20	Models of learning	EPsi Multimedia Center Amphitheater
16:20 – 17:20	Poster session II and coffee break	Ground floor hallway
17:20 – 19:00	Pavlovian conditioning	EPsi Multimedia Center Amphitheater
19:20 – 00:00	Guided walking tour and dinner in Guimarães	

## Friday, September 12

8:30 – 9:30	Predictive learning	EPsi Multimedia Center Amphitheater
9:30 – 11:10	Timing	EPsi Multimedia Center Amphitheater
11:10 – 11:30	Coffee break	Ground floor hallway
11:30 – 12:30	Keynote Address: Peter Urcuioli	EPsi Multimedia Center Amphitheater
12:30 – 14:20	Lunch break	<i>Panorâmico</i>
14:20 – 16:00	Cue competition	EPsi Multimedia Center Amphitheater
16:00 – 16:40	Comparative cognition	EPsi Multimedia Center Amphitheater
16:40 – 17:40	Poster session III and coffee break	Ground floor hallway
17:40 – 18:40	Business Meeting of the SEPC	EPsi Multimedia Center Amphitheater
20:45	Closing dinner	<i>Mercado das Tapas</i>

# Scientific Committee

Armando Machado (University of Minho, Portugal)  
Marco Vasconcelos (University of Minho, Portugal)  
Luis Aguado Aguilar (Complutense University of Madrid)  
Gumersinda Alonso Martínez (University of País Vasco)  
Isabel de Brugada Sauras (University of Granada)  
Antonio Cándido Ortiz (University of Granada)  
Luis Gonzalo de la Casa Rivas (University of Sevilla)  
Victoria Díez Chamizo (University of Barcelona)  
Pilar Flores Cobos (University of Almería)  
Milagros Gallo Torre (University of Granada)  
V́ctor García- Hoz (University Complutense of Madrid)  
José Antonio González del Campo (University of Salamanca)  
Geoffrey Hall (University of York)  
Francisco J. López (University of Málaga)  
Matías López Ramírez (University of Oviedo)  
Ignacio Loy Madera (University of Oviedo)  
Antonio Maldonado López (University of Granada)  
Helena Matute Greño (University of Deusto)  
Rubén N. Muzio (University of Buenos Aires - IBYME-CONICET, Argentina)  
Mauricio R. Papini (Texas Christian University, USA)  
Ricardo Pellón Suárez de Puga (UNED)  
Juan M. Rosas Santos (University of Jaén)  
Javier Vila (UNAM, México)

# Organizing committee

Armando Machado (SEPC President)  
Marco Vasconcelos  
Álvaro Viudez  
Carlos Pinto  
Carolina Vieira  
Catarina Soares  
Catarina Vila Pouca  
Eugénia Fernandes  
Inês Fortes  
Margarida Monteiro  
Marília Carvalho  
Patrícia Gonçalves  
Thaís Ribeiro



# Meeting venue

## School of Psychology of the University of Minho

Braga, Portugal



**Registration:** Ground floor, south entrance

**Keynote Addresses and Talks:** EPsi Multimedia Center Amphitheater

**Poster sessions and coffee breaks:** Ground floor, south hallway

# Invited speakers

## Alex Kacelnik



Alex Kacelnik is Professor of Behavioural Ecology at the University of Oxford, E.P. Abraham Fellow of Pembroke College and a Fellow of The Royal Society. He is a leader in the field of animal cognition and behaviour, blending theoretical and experimental approaches from biology, psychology and economics. He is distinguished for his work on risk perception in animals and tool use in crows. For his outstanding contributions, he has received the Cogito Prize Award and the Comparative Cognition Society Research Award.

## Cecilia Heyes



Cecilia Heyes is Professor of Psychology at the University of Oxford, a Senior Research Fellow of All Souls College, and a Fellow of the British Academy. Her work in animal cognition, human experimental psychology, and cognitive neuroscience is distinguished by the clarity and acuity with which it challenges conventional wisdom and offers new perspectives on the evolution of cognition. An expert on social cognition, she has made seminal contributions to research on social learning, imitation, mirror neurons, and theory of mind.

## Peter Urcuioli



Peter Urcuioli is Professor of Psychological Sciences at Purdue University. He has contributed to a wide variety of topics in animal learning and cognition, including pioneering work on the categorization of arbitrarily related stimuli and stimulus class formation in pigeons and other non-language-capable animals. He is currently an Associate Editor for the Journal of the Experimental Analysis of Behavior, and has been continuously supported in his research since 1983 by the National Institutes of Health and the National Science Foundation.

# Full program

## Wednesday, September 10

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8:30 - 9:00    **Registration**

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9:00 - 9:30    **Opening address**

Armando Machado, President of SEPC

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9:30 - 11:10    **Latent inhibition**

Chair: Armando Machado, University of Minho

9:30 - 9:50    Latent inhibition of flavor-taste learning: Motivational state and nature of the reinforcer

Felisa González<sup>1</sup>, David Garcia-Burgos<sup>2</sup>, Geoffrey Hall<sup>3</sup>

<sup>1</sup> University of Granada, Spain; <sup>2</sup> University of Fribourg, Switzerland; <sup>3</sup> University of York & University of Plymouth, UK; University of New South Wales, Australia

9:50 - 10:10    Effect of Deprivation Level on Latent Inhibition with Appetitive Conditioning Procedures

Luis E. Gómez-Sancho, Luis Gonzalo de la Casa

University of Sevilla, Spain

10:10 - 10:30    Effects of Positive and Negative Induced-Affect on Latent Inhibition with Humans

Luis Gonzalo De la Casa, Auxiliadora Mena, Andrea Puentes, Robert E. Lubow

University of Sevilla, Spain

10:30 - 10:50    Effects of Food or Water Deprivation on Flavor Preexposure and Conditioning

Auxiliadora Mena, Paola Revilla, Luis Gonzalo de la Casa

University of Sevilla, Spain

10:50 - 11:10    Dorsal lateral striatum involvement in processing of future CS in latent inhibition

F.J. Pérez, E. Quintero, A. Serrano, E. Diaz, J.C. López

University of Sevilla, Spain

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11:10 - 11:30    **Coffee break**

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**11:30 - 11:40 Tribute to Nestor Schmajuk**

A quest for the learning algorithm

Alex Kacelnik, Eduardo Alonso

University of Oxford, UK; City University London, UK

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**11:40 - 12:40 APPE Keynote Address**

Chair: Marco Vasconcelos, University of Minho

**Why and how form and function go hand in hand in behavioural research**

Professor Alex Kacelnik

University of Oxford, UK

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**12:40 - 14:20 Lunch break**

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**14:20 - 15:40 Polydipsia I**

Chair: Luis Gonzalo de la Casa, University of Sevilla

14:20 - 14:40 Motivational and motor characteristics of schedule-induced Polydipsia by an engagement bout model

Javier Íbias<sup>1</sup>, Ricardo Pellón<sup>1</sup>, Federico Sanabria<sup>2</sup>

<sup>1</sup> National Distance Education University, Spain; <sup>2</sup> Arizona State University, USA

14:40 - 15:00 Tryptophan depletion diet exacerbates compulsive drinking in rats selected by schedule-induced Polydipsia

Ana Merchán, Silvia Navarro, Sergio García-Martin, Olga Vilches, Margarita Moreno, Pilar Flores

University of Almería, Spain

15:00 - 15:20 Molecular analysis of the behavioural differences on schedule-induced Polydipsia

Sergio García-Martin, Olga Vilches, Roberto Alvarez, Margarita Moreno, Pilar Flores

University of Almería, Spain

15:20 - 15:40 Taste aversion to food or water on schedule-induced drinking in rats

Stefana Bura, Jorge A. Ruiz, Pedro Vidal, Matías López, Ricardo Pellón

National Distance Education University, Spain

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## 15:40 - 16:40 Evolution and optimization

Chair: Ricardo Pellón, National Distance Education University

15:40 - 16:00 Back to optimality: A formal framework to express the dynamics of learning optimal behavior

Eduardo Alonso, Michael Fairbank, Esther Mondragon

City University London, UK; Centre for Computational and Animal Learning Research, UK

16:00 - 16:20 Learning as an Evolutionary Force: A Simulation of Natural Selection on Effective Learning of Complex Behavior

Sonia Ragir<sup>1</sup>, Michael Kress<sup>2</sup>

<sup>1</sup> Hunter College, City University of New York, USA; <sup>2</sup> College of Staten Island, City University of New York, USA

16:20 - 16:40 When does learning matter: the relationship between evolution and reinforcement learning

Jan Teichmann, Mark Broom, Eduardo Alonso

City University London, UK

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## 16:40 - 17:40 Poster session I

Symmetry in rats

Sarah Beurms, Jan De Houwer, Tom Beckers

KU Leuven, Belgium

Eye tracking in a virtual water maze task

E.S Redhead, C Allison

University of Southampton, UK

Effect of postnatal stimulation on resistance to extinction of an instrumental behavior in rats

Rafael Alonso-Bardón, Alfredo Espinet

University of Málaga, Spain

The role of relationship response-outcome-intake in imitative learning: two assessments

Cristiano Valerio Dos Santos<sup>1</sup>, Martha E. López<sup>2</sup>, Abel J. Zamora<sup>2</sup>, Rosalva Cabrera<sup>2</sup>

<sup>1</sup>University of Guadalajara, Mexico; <sup>2</sup> National Autonomous University of Mexico, Mexico

Effects of exposure on the salience of distinctive stimulus features

Gumersinda Alonso, Gabriel Rodríguez, Naiara Arriola, M<sup>a</sup> Carmen Sanjuán

University of the Basque Country, Spain

Preference of juvenile angelfish (*Pterophyllum scalare*) for different environments differing in colour

Luis M. Gómez Laplaza, Emilio Hijes

University of Oviedo, Spain



Increased levels of drinking in baseline conditions under different contexts did not predict a higher drinking on Schedule-induced Polydipsia

Olga Vilches, Ana Sánchez-Kuhn, Roberto Alvarez, Pilar Flores, Margarita Moreno

University of Almería, Spain

Effects of changes on the availability of food (intra-session and inter-session) in social foraging of pigeons

Martha E. López, Abel J. Zamora, Rosalva Cabrera

National Autonomous University of Mexico, Mexico

Testing different accounts of the ambiguous-cue problem

Marco Vasconcelos<sup>1</sup>, Tiago Monteiro<sup>2</sup>

<sup>1</sup> University of Minho, Portugal; <sup>2</sup> Champalimaud Neuroscience Programme

Tactile working memory in rats

Juan P. Vargas, Carla A. Carvalho, Paula Balea, Paola Revilla, Manuel Portavella

University of Sevilla, Spain

Temporal inactivation of the prelimbic cortex disrupts spatial memory retrieval in the morris water maze

Marta Méndez-Couz, Nérida M. Conejo, Héctor González-Pardo, Jorge L. Arias

University of Oviedo, Spain

Spontaneous follow of human hand points by puppies of different ages

Isabela Zaine<sup>1</sup>, Camila Domeniconi<sup>1</sup>, Clive Wynne<sup>2</sup>

<sup>1</sup> Federal University of São Carlos, Brazil; <sup>2</sup> Arizona State University, USA

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## 17:40 - 19:00 Taste conditioning

Chair: Carlos Pinto, University of Minho

17:40 - 18:00 Palatability of flavors after illness- or internal pain-based taste avoidance

Stefana Bura, Dominic M. Dwyer, Matías López

University of Oviedo, Spain; Cardiff University, UK

18:00 - 18:20 Dissociable effects of the renewal of conditioned taste aversion on consumption and licking microstructure

Dominic M. Dwyer, Matías López

Cardiff University, UK; University of Oviedo, Spain

18:20 - 18:40 Taste-taste transfer of training between Pavlovian and consummatory tasks

Amanda C. Glueck, Mauricio R. Papini

Texas Christian University, USA

18:40 - 19:00 Sodium detection thresholds in an aversion paradigm  
Susana Carnero, Félix Acebes, Beatriz Álvarez, Ignacio Loy  
University of Oviedo, Spain

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21:00 **Opening cocktail at *Hotel Meliá***

## Thursday, September 11

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### 8:30 - 9:50 **Learning and health**

Chair: Victoria Chamizo, University of Barcelona

8:30 - 8:50 The lack of side-effects increases the belief in the effectiveness of a bogus treatment  
Fernando Blanco, Itxaso Barberia, Helena Matute  
University of Deusto, Spain

8:50 - 9:10 The role of instruction and conditioning in the development of placebo nausea: an experimental manipulation of nausea in healthy participants  
Veronica Quinn, Ben Colagiuri  
The University of Sydney, Australia

9:10 - 9:30 Partial reinforcement and anti-anxiety self-medication  
Mauricio R. Papini, Lidia Manzo, José E. Callejas-Aguilera, Alberto Fernández-Teruel, Carmen Torres  
Texas Christian University, USA; University of Jaen, Spain; Autonomous University of Barcelona, Spain

9:30 - 9:50 Early variability in body temperature as a vulnerability marker in rats exposed to semistarvation induced hyperactivity  
Angela Fraga, Olaia Carrera, Marcos Carreira, Felipe Casanueva, Emilio Gutierrez  
University of Santiago de Compostela, Spain; Molecular Endocrinology Laboratory, Health Research Institute of Santiago (IDIS), Spain; USC University Hospital Complex (CHUS), Spain

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**9:50 - 11:10 Discrimination learning**

Chair: Juan M. Rosas, University of Jaén

9:50 - 10:10 Generalization along an attended and unattended dimension following category learning in humans

Jessica C. Lee, Evan. J. Livesey

The University of Sydney, Australia

10:10 - 10:30 Manipulating the instructions on perceptual learning with complex visual stimuli

Sergio A. Recio, Adela F. Iliescu, Simón P. Mingorance, Isabel de Brugada

University of Granada, Spain

10:30 - 10:50 What makes a landmark effective in juvenile rats?

V.D. Chamizo, C.A. Rodríguez, N.J. Mackintosh

University of Barcelona, Spain; University of Cambridge, UK

10:50 - 11:10 Natural order, psychophysics and abstract concepts

Sheila Chase

Hunter College of the City University of New York, USA

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**11:10 - 11:30 Coffee break**

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**11:30 - 12:30 SEPEX Keynote Address**

Chair: Armando Machado, University of Minho

**Mirror neurons from associative learning**

Professor Cecilia Heyes

University of Oxford, UK

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**12:30 - 14:20 Lunch break**

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## 14:20 - 15:40 Polydipsia II

Chair: Mauricio R. Papini, Texas Christian University

14:20 - 14:40 Choice as a function of the opportunity for schedule-induced drinking among concurrent-chains alternatives

Jorge A. Ruiz, Ricardo Pellón

National Distance Education University, Spain

14:40 - 15:00 Contextual control of schedule-induced polydipsia within an ABA renewal design in rats

José A. Aristizabal<sup>1</sup>, José E. Callejas-Aguilera<sup>1</sup>, Pedro M. Ogallar<sup>1</sup>, Ricardo Pellón<sup>2</sup>, Juan M. Rosas<sup>1</sup>

<sup>1</sup>University of Jaén, Spain; <sup>2</sup>National Distance Education University, Spain

15:00 - 15:20 Resistance to change of schedule-induced polydipsia and Behavioral Momentum Theory

Pedro Vidal García, Ricardo Pellón Suárez de Puga

National Distance Education University, Spain

15:20 - 15:40 Schedule-induced polydipsia in sign- versus goal-tracker rats is not related to impulsivity as measured by delay discounting

Valeria Edith Gutiérrez Ferre<sup>1</sup>, Almudena Serrano<sup>2</sup>, Juan Carlos Lopéz<sup>2</sup>, Ricardo Pellón<sup>1</sup>

<sup>1</sup> National Distance Education University, Spain; <sup>2</sup> University of Sevilla, Spain

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## 15:40 - 16:20 Models of learning

Chair: Marilia Carvalho, University of Minho

15:40 - 16:00 A double error correction model of classical conditioning

Niklas Kokkola, Esther Mondragón, Eduardo Alonso

City University London, UK; Centre for Computational and Animal Learning Research, UK

16:00 - 16:20 The SSCC TD model: a representational framework for temporal difference learning

Esther Mondragón, Jonathan Gray, Eduardo Alonso, Charlotte Bonardi, Dómnall J. Jennings

Centre for Computational and Animal Learning Research, UK; University of Southampton, UK; City University London, UK; University of Nottingham, UK; Newcastle University, UK

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## 16:20 - 17:20 Poster session II

Revisiting the learning curve (once again)

Steven Glautier

Southampton University, UK

Environmental-induced deficit of memory in female gerbils

Katarzyna Zieba, Hans Wlazolek

University of Warsaw, Poland

The effect of a simultaneous manipulation of expectations and incentives on decision criterion in human responses to basic flavors

Teresa L. Martín-Guerrero, Concepción Paredes-Olay, Juan M. Rosas, Manuel M. Ramos-Álvarez

University of Jaén, Spain

Rumination and intrusion: a review about studies that adopted the trauma film paradigm

Luciana Pucci Santos, Marcus Augusto Fernandes Pinho, Ivan Figueira, Paula Ventura

Federal University of Rio de Janeiro, Brazil

Differences in early visual processing event-related potentials between predictive and non-predictive discriminative stimuli

David Luque, Joaquín Morís, Amanda Flores

University of Malaga, Spain; Institute for Biomedical Research of Málaga (IBIMA), Spain

Sumación de la entrada condicionada en el comedero pero no de la presión de palanca automoldeada en ratas

Luis E. Gómez-Sancho, María F. Arias Holgado, Francisco Fernández-Serra

University of Sevilla, Spain

Payoff-induced bias in temporal discrimination

Catarina Vila Pouca, Armando Machado, Marco Vasconcelos

University of Minho, Portugal

An instance of the labelling effect in the perception of chocolate

Gabriel Rodríguez, Naiara Arriola, María del Carmen Sanjuán, Gumersinda Alonso

University of the Basque Country, Spain

Novel procedure to increase the incentive salience of CS in latent inhibition

Marquez, I., Vargas, JP., López, JC., Esber, G., Diaz, E.

University of Sevilla, Spain

Spontaneous lateralization of mice in choosing arm of the T-shaped maze

Katarzyna Zieba, Maria Maciejewska

University of Warsaw, Poland

Base rate-induced bias in temporal discrimination

Catarina Vila Pouca, Marco Vasconcelos, Armando Machado

University of Minho, Portugal

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**17:20 - 19:00 Pavlovian conditioning**

Chair: Geoffrey Hall, University of York, University of Plymouth, University of New South Wales

17:20 - 17:40 Evidence of facilitation and inhibition in human Pavlovian-to-instrumental transfer

Ben Colagiuri, Peter Lovibond

The University of Sydney, Australia; University of New South Wales, Australia

17:40 - 18:00 Contextual control of extinction but not excitation in a suppression task

James Byron Nelson, Jeffrey Lamoureux

University of the Basque Country, Spain; Boston College, USA

18:00 - 18:20 Simultaneous magazine training produces second order conditioning and inhibitory conditioning in rats

Ignacio Loy, Susana Carnero, Félix Acebes, Beatriz Álvarez, Joaquín Morís

University of Oviedo, Spain; University of Málaga, Spain

18:20 - 18:40 People's learning about stimulus co-occurrence is superior with simultaneous voice-picture presentations: Further support for contiguity models of associative learning

Jasper Robinson, Lam Chung Sze

The University of Nottingham, UK

18:40 - 19:00 Temporal discrimination in autoshaping: acquisition and extinction

María F. Arias, Francisco Fernández-Serra, Luis E. Gómez-Sancho, Manuel Mateos, Carmen Ortiz, José M. Sánchez-Marqueses

University of Sevilla, Spain

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**19:20 - 00:00 Visit to Guimarães**

19:20 Meeting point at the School of Psychology and departure to Guimarães by bus

20:15 - 21:15 Guided walking tour of the historical center of Guimarães

21:30 - 23:45 Dinner at *Restaurante Histórico*

00:00 Departure to the School of Psychology (Braga) by bus

# Friday, September 12

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## 8:30 - 9:30 Predictive learning

Chair: Gumersinda Alonso, University of the Basque Country

8:30 - 8:50 Resistance to instructed reversal of the learned predictiveness effect

Hilary Don, Evan Livesey

The University of Sydney, Australia

8:50 - 9:10 Relative prediction error and protection from attentional blink in human associative learning

Steven Glautier, Shui-I Shih

Southampton University, UK

9:10 - 9:30 The effect of verbal instructions in contingency learning depends on the time available to process the cue: evidence in favor of associative models

Rafael Alonso-Bardón, David Luque, Francisco J. López

University of Málaga, Spain; Institute for Biomedical Research of Málaga (IBIMA), Spain

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## 9:30 - 11:10 Timing

Chair: Esther Mondragon, Centre for Computational and Animal Learning Research

9:30 - 9:50 Application of Timing Drift-Diffusion Model to individual trials in the peak procedure

André Luzardo, François Rivest, Eduardo Alonso, Elliot Ludvig

City University London, UK

9:50 - 10:10 Shared stimulus control on a temporal discrimination task

Carlos Pinto, Inês Fortes, Armando Machado

University of Minho, Portugal

10:10 - 10:30 Different interdimensional discrimination tests on temporal generalization gradients: the effect of the temporal generalization test on the interdimensional temporal generalization gradient

Ana Catarina Vieira de Castro<sup>1</sup>, Javier Íbias<sup>2</sup>, Ricardo Pellón<sup>2</sup>, Armando Machado<sup>3</sup>

<sup>1</sup> Institute for Molecular and Cell Biology, Portugal; <sup>2</sup> National Distance Education University, Spain; <sup>3</sup> University of Minho, Portugal

10:30 - 10:50 Effects of dorsal hippocampal damage on timing: a pooled analysis

Shu K.E. Tam, Dómnall Jennings, Charlotte Bonardi

University of Nottingham, UK

10:50 - 11:10 Searching for relational responding in a temporal bisection task  
Marilia Pinheiro de Carvalho, Armando Machado, François Tonneau  
University of Minho, Portugal

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**11:10 - 11:30 Coffee break**

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**11:30 - 12:30 Keynote Address**

Chair: Marco Vasconcelos, University of Minho

**Emergent relations and stimulus class formation**

Professor Peter Urcuioli

Purdue University, USA

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**12:30 - 14:20 Lunch break**

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**14:20 - 16:00 Cue competition**

Chair: Ben Colagiuri, The University of Sydney

14:20 - 14:40 The elusive nature of the blocking effects: 17 failures to replicate  
E. Maes, Y. Boddez, J. De Houwer, R. D'Hooge, T. Beckers  
KU Leuven, Belgium

14:40 - 15:00 Perceptual learning transfer in an appetitive Pavlovian procedure  
Antonio Alvarez Artigas<sup>1</sup>, José Prados Guzmán<sup>2</sup>  
<sup>1</sup>University of Barcelona, Spain; <sup>2</sup>University of Leicester, UK

15:00 - 15:20 Overshadowing and relative stimulus validity associability in a spatial search task  
Javier Vila, Alberto Monrroy, Rodolfo Bernal  
National Autonomous University of Mexico, Mexico

15:20 - 15:40 Stimulus processing and blocking in human learning  
Evan Livesey, Marius Mather, Justin Harris  
The University of Sydney, Australia

15:40 - 16:00 Pre-exposure reduces serial overshadowing in CTA  
Dorothy W.S. Kwok, Robert A. Boakes  
The University of Sydney, Australia



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**16:00 - 16:40 Comparative cognition**

Chair: Javier Vila, National Autonomous University of Mexico

16:00 - 16:20 Perirhinal cortex involvement in taste and object recognition memory

Enrique Morillas, Beatriz Gómez-Chacón, Fernando Gámiz, Milagros Gallo

University of Granada, Spain

16:20 - 16:40 Temporal distance in temporal weighting rule with humans beings

Angélica Alvarado, Karina Segura, Zulema Cruz, Daniele Garcia, Lesly Hernández, Javier Vila

National Autonomous University of Mexico, Mexico

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**16:40 - 17:40 Poster session III**

Palatability shifts in flavor preference learning as assessed by taste reactivity

Alberto Soto, Patricia Gasalla, Dominic M. Dwyer, Matías López

University of Oviedo, Spain; Cardiff University, UK

Noncontingency training nor extinction prevents the recovery of operant responses

Rodolfo Bernal-Gamboa, Alexis Martínez-Ramírez, Javier Nieto

National Autonomous University of Mexico, Mexico

Forward blocking can be detected using a lexical decision priming test in human contingency learning

Patricia Romero, Joaquín Morís

University of Málaga, Spain

Renewal of operant response is reduced by presenting an extinction cue

Jimena Hernández, Tere A. Mason, Rodolfo Bernal-Gamboa, Javier Nieto

National Autonomous University of Mexico, Mexico

Exploring the discounting function with pigeons: the effect of food amount

Inês Fortes, Marco Vasconcelos, Armando Machado

University of Minho, Portugal

Eye fixations to contexts decrease as training increases in a human predictive learning task

José A. Aristizabal, Juan M. Rosas, José E. Callejas-Aguilera, Pedro M. Ogallar, Manuel M. Ramos-Álvarez

University of Jaén, Spain

Effects of Schedule-Induced Polydipsia acquisition on emotional tests

Ana Sanchez-Kuhn, Ana Merchan, Sonia Montaña, Pilar Flores, Margarita Moreno

University of Almería, Spain

Filler associations on the expression of interfered information: associations retrieval or phase integration?

Javier Vila, Alberto Monrroy, Eneida Strempler

National Autonomous University of Mexico, Mexico

The effects of different types of pre-training on preschoolers' performance in number-to-position tasks

Eugénia Fernandes, Armando Machado, François Tonneau

University of Minho, Portugal

Updating information in the Episodic-Like Memory in preschoolers: time and outcome magnitude

Eneida Strempler, Angélica Alvarado, Javier Vila

National Autonomous University of Mexico, Mexico

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17:40 - 18:40 Business Meeting of the SEPC

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20:45 Closing dinner at *Mercado das Tapas*

20:45 Meeting point at the School of Psychology and departure to *Mercado das Tapas* by bus

## Financial support

