



XIV Conference Programme

(October 20th version)

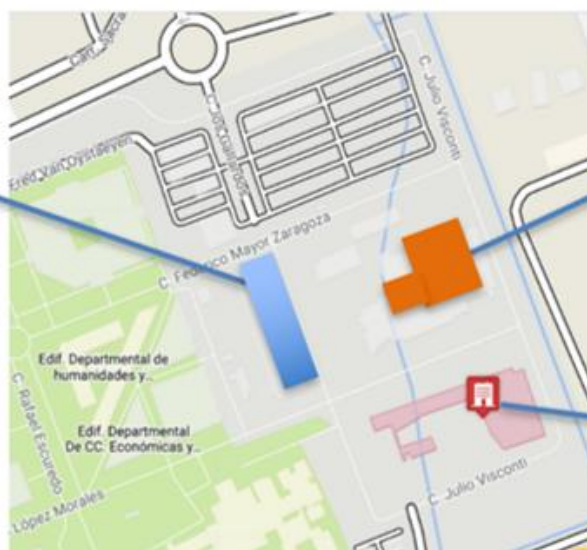
General Schedule

Wednesday, 23-10-2024			
	Room A Paraninfo	Room B CC. Salud	Room C Empresariales
15:00-15:45	Registration		
15:45-16:00	Welcome Session		
16:00-17:30	Oral Session 1. Language	Oral session 2. Memory	Thematic session 1. Numerical Cognition
17:30-18:30	Poster session 1 & Coffee Break		
18:30-19:15	Emerging Talent Award Lecture. <i>Garikoitz Lerma-Usabiaga</i> Quantifying reliable MRI metrics in reading and vision		
19:15-20:00	Research Funding Opportunities with the European Research Council (Optional: Visit to the University of Almería Natural History Museum)		
20:00-21:00	Welcome Cocktail		

Thursday, 24-10-2024			
09:00-10:30	Oral session 3. Language	Oral session 4. Attention	Thematic session 2. Semantic and episodic memory
10:30-11:30	Poster session 2 & Coffee Break		
11:30-13:00	Thematic session 3. Malleable nature of memory	Thematic session 4 & Oral Session 5. Decision-making	Oral session 6. Emotion
13:00-14:00	"Pío Tudela" Lecture. <i>Nuria Sebastián Gallés</i> Language learning throughout life		
14:00-15:30	Group Picture & Lunch		
15:30-17:00	Oral session 7. Language	Thematic session 5. Neuro-affective response	Oral session 8. Working memory
17:00-18:30	Thematic session 6. Physiological strain states	Oral session 9. Perception	Oral session 10. Learning
18:30-19:00	Coffee Break		
19:00-20:00	Plenary Lecture. <i>Kimberly Noble</i> Socioeconomic Inequity and Child Brain Development		
20:00-21:00	SEPEX General Assembly		

Friday, 25-10-2024			
	Room A Paraninfo	Room B CC Salud	Room C Empresariales
09:00-10:30	Oral session 11. Language	Thematic session 7. Meta-science in Psychology	Oral session 12. Attention + Learning
10:30-11:30	Poster session 3 & Coffee Break		
11:30-13:00	Thematic session 8. Memory and attention in bilinguals	Oral session 13. Decision making	Oral session 14. Executive Functions
13:00-14:00	Plenary Lecture. <i>Michael Anderson</i> Brain Mechanisms Underling the Inhibitory Control of Thought.		
14:00-16:00	Lunch		
16:00-17:30	Oral session 15. Neurodevelopment + Working memory	Thematic session 9. Measuring individual differences	Oral session 16. Other
17:30-18:00	Coffee Break		
18:00-19:30	SEPEX Commemorative Symposium		
19:30-19:45	Closing session		
21:00	Gala dinner		

Room C. Sala Grados Empresariales



Room B. Sala Conferencias CC. Salud



Room A. Sala Grados Paraninfo



Oral sessions

Wednesday, 23 October

Room A

(16:00-17:30) **Oral Session 1. Language**

Coord. María Ruz

16:00-16:15 Age-related decline in agreement resolution: an eye-tracking study in Spanish

Victoria Cano-Sánchez, Itziar Laka, Mikel Santesteban

16:15-16:30 Do bilinguals modulate the activation of their languages based on the linguistic identity of their interlocutors? Evidence from intra-sentential code switching

Mikel Santesteban, Anna Hatzidaki, Eduardo Navarrete

16:30-16:45 Integration of audiovisual cues in multilingual contexts: a gaze behavior study

Inka Romero-Ortells, Jon Andoni Duñabeitia, Eva Gutierrez-Sigut, Manuel Perea

16:45-17:00 Article-noun agreement in the parafovea does not affect skipping in Spanish

Marina Serrano-Carot, Bernhard Angele

17:00-17:15 Neural bases of proactive and predictive processing of meaningful sub-word units in speech comprehension

Suhail Matar, Alec Marantz

Room B

(16:00-17:30) **Oral session 2. Memory**

Coord. Carlos Gómez Ariza

16:00-16:15 Enhancing retrieval-based learning with concept mapping

María Teresa Lechuga, Juana M. Ortega-Tudela, Carlos J. Gómez-Ariza

16:15-16:30 Early findings from a local dataset in a Multisite Replication of the Think/No-Think effect

María Villar Navales, María Aimée Reyes Vargas, Javier Pacios García

16:30-16:45 Exploring the relationship between active forgetting and resting-state brain dynamics. An EEG study

María Aimée Reyes Vargas, María Villar Navales, Pablo Cuesta, Ricardo Bruña, Javier Pacios

16:45-17:00 Intentional forgetting, false recognition and associated subjective experience in young and old people

Julio Menor

17:00-17:15 Negation-induced forgetting: Assessing its extent and the involvement of inhibitory processes

Sara Martín, Isabel Orenes, David Beltrán

Room C

(16:00-17:30) **Thematic session 1. Experimental Advances in Numerical Cognition.** *Symposium proposed by Ismael Gutiérrez Cordero.*

1. Do Numbers and Letters help each other?: Evidence from Masked Priming. *Ana Calviño.*
2. Representation of the magnitude of symbolic and non-symbolic fractions. *Josetku Orrantia.*
3. The production of multi-digit numbers is not special: An error-based study in Aphasia. *Ismael Gutiérrez-Cordero.*
4. Math performance and state- and trait-math anxiety: the mediating role of executive functions. *Rocío Linares.*

Thursday, 24 October

Room A

(9:00-10:30) **Oral Session 3. Language**

Coord. Diana López Barroso

9:00-9:15 The role of different articulators in cortical tracking of sign language
Chiara Luna Rivolta, Brendan Costello, Mikel Lizarazu, Manuel Carreiras

9:15-9:30 Postlexical locus of semantic interference: evidence from bimodal bilingual picture-word interference
Joaquín Ordoñez, Marcel Giezen, Brendan Costello

9:30-9:45 The perception of iconicity in a visual language: the LSE lexicon shows more limited use of location for iconicity compared to handshape and movement
Brendan Costello, Anique Schüller

9:45-10:00 Orthographic effects in L1 speech production
Clara D. Martin, Susanne Brouwer, Alice Foucart, Diana Solchaga Ermeta, Antje Stoehr

10:00-10:15 Brain oscillatory activity adaptations to speech syllabic timing: MEG and behavioral evidence
Jose Pérez-Navarro, Nicola Molinaro, Jose Antonio Gonzalo Gimeno, Itsaso Olasagasti, Marie Lallier

10:15-10:30 The long-term impact of music experience on cortical tracking of speech and music: a MEG investigation on professional musicians
Noemi Bonfiglio, Anastasia Klimovich-Gray, Nicola Molinaro

(11:30-13:00) **Thematic session 3. The fallible but malleable nature of memory.**
Symposium proposed by Teresa Bajo.

1. Social network structure shapes the formation of true and false memories at a collective level. *Lluís Fuentemilla.*

2. Semantic activation and semantic control modulate episodic memory distortions: Evidence from non-invasive brain stimulation. *Angel Fernández.*

3. Memory, is it easy to fool? *Malen Migueles*.

4. Learning from memory errors, did that really happen? *M^a Jesús Maraver*.

(15:30-17:00) **Oral Session 7. Language.**

Coord. M^a José Contreras

15:30-15:45 Gender identity and sexist attitudes bias arbitrary gender word activation

Alba Casado, Marius Oprea, Daniela Paolieri

15:45-16:00 Anchoring accessibility tools in preferred spatial reference frames: a study with audio description for blind and partially sighted museum visitors

Barnés-Castaño, Celia, Julio Santiago

16:00-16:15 Can motor interference change how people construct meaning from language?

Pablo Solana, Omar Escámez, Gabriella Vigliocco, Jason Hamm, Daniel Casasanto, and Julio Santiago

16:15-16:30 Users of sign language do not show the body-specificity effect

Karla Tann, Pablo Solana, Marc Ouellet, Heng Li, Julio Santiago

16:30-16:45 Automaticity in the lateral space-time congruency effect: Still no convincing evidence

Julio Santiago, Alessia Beracci, Andrea Flumini, Eva Sanjuan, Marc Ouellet, and Pablo Solana

(17:00-18:30) **Thematic session 6. Brain and cognitive signatures of physiological strain states.** *Symposium proposed by Luis Ciria.*

1. Neurophenomenological dynamics of mental content during breathwork. *Tristán Bekinschtein*.

2. Multisensory redundancy effect during the wake-sleep transition. *Clara Alameda*.

3. Beyond the limit: characterizing the neural dynamics of physical exhaustion. *Chiara Avanzini*.

4. The Temporal Dynamics of Metacognitive Experiences Track Rational Adaptations in Task Performance. *Luc Vermeylen.*

Room B

(9:00-10:30) **Oral Session 4. Attention.**

Coord. Ana Chica.

9:00-9:15 Unveiling the stress symphony: Analysis of acute stress as orchestrator of startle response and prepulse inhibition

Daniel Santos-Carrasco, Luis Gonzalo de la Casa

9:15-9:30 Understanding the influence of relevance of salient items on attention

Greta Manini, Fabiano Botta, Elisa Martín-Arévalo, Juan Lupiáñez, Nancy Carlisle

9:30-9:45 BeeAttentive Task: An effective tool to assess early trajectories of attentional development

Lina M. Cómbita, Mariel Musso, Josué Rico-Picó, María Ángeles Ballesteros-Duperón, Sebastián Moyano, Ángela Conejero. M. Rosario Rueda .

9:45-10:00 Investigating the Influence of Gaze Deviation on the Reversed Congruency Effect: Comparing the Eye-Contact and Joint Attention Hypotheses

Andrea Marotta, Elena Taboada Ferrer, Jeanette Chacón-Candia

10:00-10:15 Neuromodulation in the healthy brain: the role of white matter variability

J.J. Ramírez-Guerrero, M. Martín-Signes, C. Narganes-Pineda, A. Caracuel., j.L. Mata, Ana Belén Chica.

10:15-10:30 Integrating brain function and structure in the study of the human attentional networks.

Mar Martín-Signes, Pedro M. Paz-Alonso, Michel Thiebaut de Schotten, Ana B. Chica.

(11:30-12:15) **Oral Session 5. Decision-making support systems**

Coord. Miguel Vadillo

11:30-11:45 The dilemma of human supervision in biased AI decision support systems

Ujué Agudo, Helena Matute, Karlos G. Liberal, Miren Arrese

11-45-12:00 The influence of AI bias on human decisions

Lucía Vicente, Helena Matute

12:00-12:15 Resource scarcity and patient classification can bias causal judgement

Aranzazu Vinas, Fernando Blanco, Helena Matute

(12:15-13:00) **Thematic session 4. Experimental studies of psychedelics in mental health. Symposium proposed by Elena Martín.**

1. Psychedelics and mental health: unlocking the therapeutic power from animal models. *Elena Martín-González.*

2. Ibogaine as a promising tool for the treatment of substance use disorders. *Genis Ona.*

3. Evaluation of the antidepressant effect of psilocybin in an animal model of disease. *Jorge Emilio Ortega.*

(15:30-17:00) **Thematic session 5. On the neuro-affective response to violation of expectations. Symposium proposed by Manuela Ruzzoli.**

1. The “sweet spot” of cognitive conflict. *Marta La Pietra.*

2. Conflict regulation in flavour perception: A unitary framework for perceptual and hedonic responses. *Salvador Soto-Faraco.*

3. The investigation of music curiosity in laboratory and ecological settings. *Laura Ferreri.*

4. On the construction of epistemic and attested scenarios in irony: A cognitive-linguistic approach. *Inés Lozano.*

(17:00-18:30) **Oral Session 9. Perception.**

Coord. Pedro Montoro

17:00-17:15 How and when do expectations shape sensory processing?

David Richter, Floris de Lange, María Ruz

17:15-17:30 The influence of cognitive load on implicit time-on-space interference?
Pom Charras, Mariagrazia Capizzi

17:30-17:45 Ten years of experimental studies on visual preference for curvature
Enric Munar, Erick G. Chuquichambi

17:45-18:00 Looking for syntax in the early visual processing of multidigit numbers: it is not there
Cristina Gutiérrez-Fernández, Ismael Gutiérrez-Cordero, Javier García-Orza

18:00-18:15 Active sensing is coupled to internal bodily cycles
Alejandro Galvez-Pol, Genaro Lopez-Martin, James M. Kilmer

18:15-18:30 Heart rate modulations of correct and incorrect feature integration
María I. Cobos, Pedro M. Guerra, Ana B. Chica

Room C

(9:00-10:30) **Thematic session 2. Insights from the dynamics between semantic and episodic features of memory.** *Symposium proposed by María Jesús Maraver.*

1. Disentangling the contributions of semantic and inhibitory control processes in creative problem-solving. *Raquel Lezama.*
2. The effect of episodic and semantic retrieval on creativity in children and adults. *Guillermo Tomás.*
3. Contextual incongruity triggers memory reinstatement and the disruption of neural stability. *Lluis Fuentemilla.*
4. Have I told you this story before? The challenging dialogue between episodic and semantic processes on destination memory. *Pedro B. Albuquerque.*

(11:30-13:00) **Oral Session 6. Emotion.**

Coord. Luis Fuentes

11:30-11:45 Music-induced emotions in older people
Nieves Fuentes-Sánchez, Paula Palacín Murcia, Laura Ros, José Miguel Latorre

- 11:45-12:00 Emotional processing and response time. A quasi-experimental study
Estela Fernández-Pérez, Beatriz Navarro Bravo, M. Cruz Martínez-Sáez, Laura Ros, José Miguel Latorre Postigo-
- 12:00-12:15 The emotional content of words is prioritized over syntactic mismatches in bilinguals with higher emotional resonance in L2
Beatriz Bermúdez-Margaretto, David Beltrán, Marta de Vega, Angel Fernandez, María Jesús Sánchez
- 12:15-12:30 Emotion and Salience in the anticipatory brain activity of catastrophic events
Laura Mas-Cuesta, Sabina Baltruschat, Antonio Cándido, Andrés Catena
- 12:30-12:45 Emotional processing impairment in individuals with ADHD: A Bayesian meta-analysis study
Ana-María Soler-Gutiérrez, Alberto J. Sánchez-Carmona, Jacobo Albert, José Antonio Hinojosa, Samuele Cortese, Alessio Bellato, Julia Mayas
- 12:45-13:00 The use of differential outcomes for improving dynamic morphing facial expressions recognition in clinical populations
Ángel García-Pérez, Cristina Katsoridou, Angeles F. Estévez, Ana B. Vivas
- (15:30-17:00) **Oral Session 8. Working memory**
Coord. Julia Mayas
- 15:30-15:45 Optimal Timing to Maximize the Pretesting Effect
Yeray Mera, Nataliya Dianova, Eugenia Marin-Garcia
- 15:45-16:00 Dissociation of the functional role of anterior and mediodorsal thalamus in familiarity and recollection processes from childhood to senescence.
Sandra Rodríguez-Gonzalo, Pedro M. Paz-Alonso
- 16:00-16:15 The Subtle Power of Everyday Words — Incidental Reading in Bilingual Environments
Francisco Rocabado, Gianna Schmitz, Jon Andoni Duñabeitia
- 16:15-16:30 Future thinking and positivity: Exploring academic expectations in first-year university students

Alaitz Aizpurua, Malen Migueles y Lorena Ruiz.

16:30-16:45	Thalamocortical contributions to working memory <i>Pedro M. Paz-Alonso, Liu Mengxing, Ane Gurtubay-Antolin</i>
16:45-17:00	Negation impairs memory for newly learned world-knowledge regardless of familiarity and valence <i>Gabriele Zunino, José Antonio Hinojosa, David Beltrán Guerrero</i>
(17:00-18:30)	Oral Session 10. Learning. <i>Coord. Miguel Vadillo</i>
17:00-17:15	Visual statistical learning predicts literacy difficulties in children with dyslexia <i>Angélica Mateus-Moreno, Daniel Adrover-Roig, Eva Aguilar-Mediavilla, María Fernanda Lara-Díaz, Gracia Fernandez-Jimenez</i>
17:15-17:30	The role of heart-rate variability (HRV) and sports practice in learning allocentric spatial relationships <i>Joaquín Castillo-Escamilla, Irene Ruffo, María Carrasco-Poyatos, Antonio Granero-Gallegos, José Manul Cimadevilla</i>
17:30-17:45	That's my cue! The effect of retrieval cues on the prevention of the return of fear <i>María J. Quintero, Pedro L. Cobos, Joaquín Morís, Francisco J. López</i>
17:45-18:00	How to promote self-regulation of response speed and learning? The relevance of instructions and task feedback <i>Cristina Casadevante, Julia Mayas, María José Contreras, Miriam Romero</i>
18:00-18:15	Effectiveness of extinction with response prevention on costly and costless avoidance behavior <i>Paula Balea, Diego Alaminos, Francisco José López, Pedro Luis Cobos</i>

Friday, 25 October

Room A

(9:00-10:30)	Oral session 11. Language. <i>Coord. Pedro M. Paz-Alonso</i>
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9:00-9:15 Immediate semantic integration of newly learned words in children's native and second language

Marta Almería-Morena, Carlos Romero-Rivas

9:15-9:30 Spread the word: Semantic memory and unwarranted beliefs

Daniel Huete-Pérez, Robert Davies, Javier Rodríguez-Ferreiro, Pilar Ferré

9:30-9:45 The role of semantic feedback in the recognition of emotional words

Juan Haro, Pilar Ferré

9:45-10:00 Enhancing Digital Reading: Insights from Eye Movements and Brain Activity

Mario Romero, Clara Soberats, Ladislao Salmerón

10:00-10:15 What makes brand names special? An electrophysiological approach

Melanie Labusch, Manuel Perea, Stéphanie Massol

10:15-10:30 The relevance of top-down processes in the recognition of incomplete words: an ERP study

Teresa Civera, Sarvenaz Changizi, Montserrat Comesaña, Manuel Perea, Marta Vergara-Martínez

(11:30-13:00) **Thematic session 8. The interplay between language, memory and attention in bilinguals.** *Symposium proposed by Alejandra Marful.*

1. Language effects in prospective memory. *Cristina López Rojas.*
2. Language proficiency and false memories. *María Soledad Beato.*
3. The bilingual effects on cognition in Balkan bilingual populations and the socio-affective-linguistic context: Lessons learnt and new directions. *Ana B. Vivas.*
4. Metacognitive processes in second language learners. *Marta Reyes.*

(16:00-17:30) **Oral session 15. Neurodevelopment + Working memory**

Coord. Charo Rueda

16:00-16:15 Recent findings on the neurodevelopment of language and executive functions in prelingually deaf children

Ana Merchán Carrillo; Laura Fernández García; Nahuel Gioisa Maurno; María Teresa Daza González

16:15-16:30 Early development of electrophysiological connectivity networks in relation to the emergence of cognitive control

Josué Rico-Picó, Sebastian Moyano, Nines Ballesteros-Duperón, Angela Conejero, Luisa Arrabal, Charo Rueda

16:30-16:45 Working Memory Capacity can modulate the space-time interaction

José A. Rodríguez-Rodríguez, Isabel Carmona, Dolores Álvarez, Carmen Noguera.

16:45-17:00 Exogenous spatial retro-cues select associated novel stimulus-response bindings in working memory

Águeda Fuentes-Guerra Toral, Juan Lupiáñez, Fabiano Botta, Elisa Martín-Arévalo, Carlos González-García

17:00-17:15 Effect of Working Memory Overload on Emotional Responses and Recognition Memory: Subjective and Brain Correlates

Cristina Moya, Nieves Fuentes-Sánchez, M^a Cruz Martínez, Laura Ros, José M. Latorre

Room B

(9:00-10:30) **Thematic session 7. Meta-science in Psychology: Evidence from the past, reflections in the present, solutions for the future.**
Symposium proposed by Rafael Román-Caballero

1. Perverse incentives in research on unconscious cognition. *Miguel Ángel Vadillo.*
2. Prevalence of preregistration in Psychology: an empirical assessment (2013-2023). *Alejandro Sandoval-Lentisco.*
3. Beyond outright fraud: how cognitive biases can affect scientific inferences. *Fernando Blanco.*
4. Statistical power of random-effects meta-analyses. *Rubén López-Nicolás.*

(11:30-13:00) **Oral Session 13. Decision making. Thought. Language.**

Coord. Elena Herrera

11:30-11:45 Neural correlates in the time course of inferences: costs and benefits for less-skilled readers at a university level

Mabel Urrutia, Esteban Pino, María Troncoso-Seguel, Claudio Bustos, Pamela Guevara, Karina Torres-Ocampo, Sandra Mariángel, Yang Fu, Hipólito Marrero

11:45-12:00 On the nature of the inhibitory neighbourhood effect: A masked priming study with European Portuguese-English bilinguals

Ana Isabel Fernandes, Juan Haro, Ton Dijkstra, Montserrat Comesaña

12:00-12:15 The influence of bilingualism on verbal memory in patients with Parkinson's Disease

Arrate Barrenechea, Elena Herrera

12:15-12:30 Machine learning for analysing oral production in primary progressive aphasia

Elena Herrera, Amable José Valdés Cuervo, Manuel Menéndez, María González Nosti, Enrique A. De la Cal

12:30-12:45 Language processing networks to analyze the semantic system in Parkinson's disease on/off dopamine medication in a verbal fluency task

Elena Herrera, Paz Suárez-Coalla, Virginia Ahedo, José Manuel Galán

(16:00-17:30) **Thematic session 9. Measuring individual differences with experimental tasks: current pitfalls and future directions.**
Symposium proposed by Francisco Garre-Frutos

1. Can the reliability of the contextual cueing task be improved?. *Miguel Ángel Vadillo.*
2. Evaluation of the Permutation-Based Split-Half Reliability in Experimental Paradigms for Habit Induction in Humans. *Pablo Martínez-López.*
3. Attention-Deficit/Hyperactivity Disorder Symptoms as Function of Arousal and Executive Vigilance: Testing the Halperin and Schulz's Neurodevelopmental Model in an Adult Community Sample. *Tao Coll-Martín.*
4. An online replication and multiverse reliability analysis of value-Modulated Attentional Capture. *Francisco Garre-Frutos.*

Room C

(9:00-10:30) **Oral Session 12. Attention. Learning.**

Coord. Luís Jiménez

9:00-9:15	<p>Attentional hemispheric specialization through the right frontal eye field: a TMS-EEG stud.</p> <p><i>María Melcón, Gabriela Cruz, Matias Palva, Satu Palva, Gregor Thut</i></p>
9:15-9:30	<p>Target or not? Eye movements as a tool to understand visual search</p> <p><i>M Pilar Aivar, Laura Cepero, Lidia Sobrino, Laura Cantero, Miguel Ángel Vadillo, Victoria Plaza</i></p>
9:30-9:45	<p>Still searching for an effective way to produce trial-by-trial congruency cueing in a Stroop task</p> <p><i>Luis Jiménez, David Gallego</i></p>
9:45-10:00	<p>Neural mechanisms of attentional integration and selection across time</p> <p><i>Blanca Aguado-López, Ana F. Palenciano, María Ruz.</i></p>
10:00-10:15	<p>Enhancement of the prediction error in extinction through compound presentation with novel stimuli</p> <p><i>Paula Nogueiras, Fernando Rodríguez-San Juan, Gabriel Rodríguez, Unai Liberal</i></p>
(11:30-13:00)	<p>Oral Session 14. Executive Functions.</p> <p><i>Coord. Juan Lupiáñez</i></p>
11:30-11:45	<p>Urban experience alters lightness perception</p> <p><i>Jan de Fockert, Karina J Linnell, Andrew J Bremner, Serge Caparos, Jules Davidoff</i></p>
11:45-12:00	<p>Executive functioning in convergent and divergent creativity</p> <p><i>Maravillas Sánchez Tudela, Isabel Carmona Lorente, Carmen Noguera Cuenca</i></p>
12:00-12:15	<p>Nature's influence on attentional control processes: behavioral and electrophysiological results</p> <p><i>Javier González-Espinar, Isabel Carmona, Juan José Ortells</i></p>
12:15-12:30	<p>Evaluation of the relationship between cognitive reserve and experience in the practice of Aikido with executive functions: a pilot study</p> <p><i>Aylen D'Alessandro, Ana Fuentes-Cañas, Paloma Marí-Beffa, Angeles F. Estévez, Lola Roldán-Tapia</i></p>

12:30-12:45 Novel task assembly across the frontoparietal cortex recruits both generalizable and high-dimensional neural codes

Ana F. Palenciano, Carlos González-García, Paula Pena, Alexandra Woolgar, María Ruz.

(16:00-17:30) **Oral Session 16. Other.**

Coord. Salvador Soto-Faraco

16:00-16:15 Exploring the role of perceptual size in the comparison of multi-digit numbers

Ismael Gutiérrez-Cordero, Javier García-Orza

16:15-16:30 Advanced MRI protocols to study subcortical contributions to cognition: The thalamus and language function

Pedro M. Paz-Alonso, Liu Mengxing, Garikoitz Lerma-Usabiaga

16:30-16:45 Structural dynamics of human cortico-subcortical connections across the lifespan: the case of thalamocortical projections

Garikoitz Lerma-Usabiaga, Leandro Lecca-Villacorta, Pedro M. Paz-Alonso

16:45-17:00 Mayday: AI needs (Cognitive) Psychology, both for Science and Society

Javier Ortiz-Tudela

17:00-17:15 Speech markers of dementia and depression in older adults

Israel Martínez-Nicolás, Francisco Martínez-Sánchez, Juan José García Meilán

17:15-17:30 Single trial analysis of EEG data reveals frontal theta and parietal alpha modulations during navigation in a virtual reality environment

Mireia Torralba Cuello, Angela Marti-Marca, Márta Szabina Pápai, Salvador Soto-Faraco

Poster Sessions

Poster session 1. 23 October. 17:30.18:30 h

P1.1 An exception to the exception: meta-analysis on syntactic skills in Williams syndrome. *Marta Almería-Morena, Carlos Romero-Rivas.*

- P1.2 An Ace Under the Inferior Parietal Cortex to Preserve Verbal Repetition. *Ariane M. Hohl, Guadalupe Dávila, África Gómez-Perez, Florencia Hoet, Marcelo L. Berthier, María José Torres-Prioris, Diana López-Barroso.*
- P1.3 An Eye-tracking study on the Pragmatics of Negation. *Isabel Orenes; Andrea Speranza; Laura Cepero.*
- P1.4 Bilingualism and cross-language similarity modify the phase of alpha oscillations during naturalistic sentence reading. *Yang, Fu; Alberto Domínguez; Beatriz Bermúdez-Margaretto, Vincenzo Romei.*
- P1.5 Differential cross-modal affective priming in first and second language: behavioral and electrophysiological evidence. *Raquel Rincón-Chimeno, Beatriz Bermúdez-Margaretto.*
- P1.6 Impact of Sleep Duration on Lexicalization: Paradoxical Effects on Implicit Memory. *Rico, Emma; Birba, Agustina; Bermúdez-Margaretto, Beatriz; Domínguez, Alberto.*
- P1.7 Smart Starts: Cognitive Differences Predict Prior Knowledge Involvement in Language Learning. *Pablo Bernabeu, Gabriella Silva, My Ngoc Giang Hoang, Vincent DeLuca, Claudia Poch, Jason Rothman, Jorge González Alonso*
- P1.8 Speech error classification, production performance study, and successive response analysis using (a) sunflower — Presentation of an R package. *Ismael Gutiérrez-Cordero.*
- P1.9 Subcortical contributions to the origin of individual differences in learning the specific sounds of a second language. *Joana Navarro-Sánchez, Francesca Kummer, Gaël Cordero, Begoña Díaz, Carles Escera, Núria Sebastián-Gallés.*
- P1.10 Unravelling the syntactic processing of missing objects in Spanish-Catalan bilinguals. *Giuseppe Dario Benigno; Pedro Guijarro Fuentes; Estela Garcia Alcaraz; Marta Rivera Zurita*
- P1.11 Semantic and arithmetic additions: a study of cross-domain cognitive processing. *Ayala-Cuesta, Miguel, Abril, Verónica, Macizo, Pedro.*
- P1.12 Testing the causal role of the motor system in language comprehension: A preregistered, multilab, TMS study. *Pablo Solana, Richard J. Binney, Daniel Casasanto, Zaira Cattaneo, Ana B. Chica, Manuel de Vega, Iván Padrón, Francesca Vitale, Julio Santiago.*
- P1.13 Eye-tracking during reading at high and low sampling rates. *Bernhard Angele, Zeynep Gunes Ozkan, Marina Serrano-Carot, Jon Andoni Duñabeitia*
- P1.14 rIFG Affects Explicit and Implicit Negation on attitudinal sentences: a tDCS study. *Aarón Nuez Trujillo, Iván Padrón, Yennifer Ravelo, Yang Fu, Enrique García-Marco* and Hipólito Marrero*
- P1.15 Unlocking Speech: Brain-Computer Interfaces for Communication Restoration in Speech Disorders *Ibon Vales Cortina, Laura Miccoli, Marc Ouellet, Owais Mujtaba Khanday, Asmaa Sbah, José Luis Pérez Córdoba, José Andrés González López*

- P1.16 Language and Numerical Cognition: A Predictive Relationship Based on Componential and Holistic Processing. *Gutiérrez-Cordero, I., Andras, F., García-Orza, J., Macizo, P.*
- P1.17 The role of semantics and morphology in the affective content of Spanish pseudowords: A normative study on wordlikeness, valence and arousal. *Celia Martínez, Marc Guasch, Pilar Ferré, Miguel Lázaro, José Antonio Hinojosa*
- P1.18 Conduite d'approche in Conduction Aphasia: Which psycholinguistic and experimental variables drive it – A case study. *Cristina Gutiérrez-Fernández, Ismael Gutiérrez-Cordero, María José Torres-Prioris, Javier García-Orza*
- P1.19 Beware of gender agreement errors: They can affect emotional processing! *Isabel Fraga, Lucía Vieitez, Isabel Padrón.*
- P1.20 Letter processing in sentence comprehension: influence of case alternation and letter-like symbols on reading efficiency. *Natasha Alonso, Francisco Rocabado, and Jon Andoni Duñabeitia.*
- P1.21 Inhibition Dynamics in Survival Memory: Investigating Forgetting's Influence on Survival-Relevant Stimuli. *Andres E. Zepa, Maria A. Alonso*
- P1.22 Semantic Processing in Population over 60 years: The Role of Body-Object Interaction (BOI). *Shivani Daryanani, Agustina Birba y Maria A. Alonso.*
- P1.23 An evaluation of the iconicity of 1,525 pictograms from the Aragonese Portal of Augmentative and Alternative Communication (ARASAAC). *Emiliano Díez, Antonio M. Díez-Álamo, María A. Alonso, Dominika Z. Angel Fernandez.*
- P1.24 Could direct experience be a vaccine against suggestion? *Peláez, M., Pérez-Mata, N., Diges, M.*
- P1.25 Compound-RAT as a candidate for semantic control assessment: an fNIRS study. *Silvia Huelmo Ruiz, Emiliano Díez Villoria, Dominika Zofia Wojcik*
- P1.26 Joint effects of dyslexia and fog on the recognition of words in traffic signs. *Pilar Tejero, Eva Rosa, Javier Roca*
- P1.27 Spatial and drawing abilities in artists and non-artists. *M. S. Beato, O. Rivero, A. Alvarez-Martinez, J. Eseverri, M. Suarez, M. García-Bustos, J. S. González-Rodríguez, A. M. Mateo-Pellitero & X. Eguilleor-Carmona*
- P1.28 The neural markers of mild cognitive impairment in breast cancer patients: a multimodal approach to detection, predict, and monitor. *Emanuele Ciardo, María Feliciano González Pérez, Nicola Molinaro, Pedro M. Paz-Alonso, Manuel Carreiras, Manuela Ruzzoli.*
- P1.29 The Vienna Art Interest and Art Knowledge Questionnaire and the Aesthetic Fluency Scale translated into Spanish: an analysis of their factor solution and psychometric properties. *Barnés-Castaño, Celia*

- P1.30 Susceptibility to persuasion as a predictor of belief in pseudoscience. *Ainoa Barreiro, Anadaniela del Carpio, Itxaso Barberia, Javier Rodríguez-Ferreiro.*
- P1.31 Thinking fast and right: individual differences in the strength of mathematical intuitions.
Àngels Colomé, Leyre Calvar y Elisabet Tubau
- P1.32 Lectures vs. Practice: Does Listening Alone Foster Critical Thinking? *Iván Villanueva, Isabel Orenes.*
- P1.33 Extinction Burst and Response Competition. *Marlon Palomino González; Gabriela E. López-Tolsa; Ricardo Pellón Suárez de Puga.*

Poster Session 2. 24 october. 10:30-11:30 h

- P2.1 The ratio “fixations/ saccades” in eye movements: It is useful to detect the strategy used while solving a Mental Rotation task?. *Contreras, M.J., Fernández-Méndez, L.M., Cepero, L, Orenes, I., Prieto, A., Rodán A., Montoro, P.R., and Mayas, J.*
- P2.2 Contextual cueing and working memory: Studying the dependence of task difficulty on the expression of the effect. *Fernando Ojedo; Miguel A. Vadillo.*
- P2.3 The balance of goal-directed and habit systems: A look into individual differences. *Antonio Vázquez-Millán, Pablo Martínez-López, David Luque*
- P2.4 Reading in English as a Foreign language by Spanish-speaking children: second, fourth and sixth grades. *Suárez-Coalla, Paz; Pérez-Litago, Uxue; Russak, Susie.*
- P2.5 Effects of a multi-modal auditory environment on language acquisition. *Melodie Bellegarda, María Nazaret Aguilar Fernández, Ana Belén García-Gámez, Pedro Macizo.*
- P2.6 Designing a Task to Measure the Impact of Spatial Layouts on Categorization Learning. *Michelle B. Hefner, María Ruz, Christopher Summerfield*
- P2.7 How Children with Reading Problems Represent Temporal Information. A pilot study. *Rodríguez-Rodríguez, J.A.; Carmona, I.; Álvarez, D.; Noguera, C.*
- P2.8 Inhibitory learning in latent Inhibition: more evidence from superconditioning and protection from extinction. *Paula Nogueiras, Unai Liberal, Gabriel Rodríguez.*
- P2.9 Learning new vocabulary in L2: the role of context of learning, proficiency, and proactive control- *Marta Rivera, Daniela Paolieri, Teresa Bajo.*
- P2.10 The mediating role of learning in the relationship between goal orientation, time management, and academic performance. *Romero, Miriam; Casadevante, Cristina.*

- P2.11 The effect of eco-friendly labelling on estimations about environmental impact of human actions. *María M. Moreno-Fernández, Fernando Blanco and Helena Matute.*
- P2.12 Investigating behavioral expression of habitual control using monetary rewards. *Antonio Vázquez-Millán, Pablo Martínez-López, María Rueda & David Luque.*
- P2.13 Using a Forced Response Task to Measure Habit Formation in Humans. *Pablo Martínez-López, Antonio Vázquez-Millán, Francisco Garre-Frutos, David Luque.*
- P2.14 Don't stop me now! A study of habit responses in humans through the degraded contingency paradigm. *María J. Quintero, Joaquín Morís, Sara Molinero, Pablo Martínez-López, Pedro L. Cobos, Francisco J. López, David Luque.*
- P2.15 Learning of linguistic rules with more or less attention involves distinct brain networks and different neural encoding. *Brian Quintero-Manes, Óscar Salvans-Alejo, Ieva Valaviciuté, Estela Cámara-Mancha, Ruth de Diego-Balaguer.*
- P2.16 Exploring the second language lexicon through the N400 ERP component. *M. Suarez, M. S. Beato*
- P2.17 Factors related to memorability from the mega-study approach: exploring the unique contribution of objective, subjective, associative and emotional verbal attributes. *Wojcik, D. Z., Díez, E., Alonso, M. A., Díez-Álamo, A. M., Ochoa, D. A., Huelmo Ruíz, S., Fernandez, A*
- P2.18 From Screen to Mind: Understanding how we Remember Mobile App Logos. *Ivana Delgado, Antonio Prieto, Pedro R. Montoro and Julia Mayas.*
- P2.19 Surgical masks and female own-gender bias: implications for lineup accuracy. *Ignacio Sifre, Nieves Pérez-Mata, Margarita Diges.*
- P2.20 False recognition in the DRM paradigm: time-course of ERP response and behavioral correlates. *Nieves Pérez-Mata, Jacobo Albert, Luis Carretié, Sara López-Martin, Alberto Sánchez-Carmona.*
- P2.21 Differential effects of resource levels in encoding on True and False Memories in DRM paradigm. *Nieves Pérez-Mata, Margarita Diges, María Alonso.*
- P2.22 False recognition in the context of bilingualism: Assessing false memory with ad hoc categorical, associative and taxonomic lists. *Benítez, Verónica; Albuquerque, Pedro B.; Alonso, María Á.*
- P2.23 Oscillatory underpinnings of retrieval suppression and depressive rumination. An EEG study. *Claudia Cogollos, María del Carmen Martín-Buro, Ricardo Bruña, Iván Blanco, Fernando Maestú, Javier Pacios.*
- P2.24 Misconceptions and active denial might be critical for negation-induced forgetting. *David Beltrán, Gabriele Zunino, José Antonio Hinojosa.*

- P2.25 Examining the impact of participants' baseline working memory capacity and task difficulty on the effects of theta tACS to modulate working memory maintenance. *Miriam Tortajada, Víctor Martínez-Pérez, Lucía B. Palmero, Sumit Roy, Guillermo Campoy, Luis J. Fuentes.*
- P2.26 Background music effects on sustained attention and working memory. *Elena García Candau, Luis Morales Márquez, María Julia Morales Castillo.*
- P2.27 Decoding neural codes of stimulus category in EEG: similarities and differences observed under different functional relevance priorities. *Padezhki, Ivan; González García, Carlos; Linde Domingo, Juan.*
- P2.28 The Effects of Proactive Interference in Working Memory Over Time. *Harry T. A. Moore.*
- P2.29 Modulating Emotional Responses to Music by Transcranial Direct Current Stimulation (tDCS) of the Ventro-Medial Prefrontal Cortex (vmPFC): Magnetoencephalographic Correlates. *Nieves Fuentes-Sánchez, Alejandro Espino-Payá, Sabine Prantner, M. Carmen Pastor, Markus Junghöfer.*
- P2.30 Assessing the effectiveness of the Maastricht Acute Stress Test for stress induction: Final outcomes in the Spanish population. *Daniel Santos-Carrasco and Luis Gonzalo de la Casa.*
- P2.31 'Do words burn in a second language?' Processing literal and metaphorical pain in L2 discourse comprehension: an ERP study. *Andrea González-García Aldariz, Eva M. Moreno, Alice Foucart.*
- P2.32 Random sequences, experienced coincidences and pseudoscientific beliefs. *Javier Rodríguez-Ferreiro, Nia Pangani, Itxaso Barberia.*
- P2.33 Older drivers have fewer accidents during simulated driving. *Mas-Cuesta, Laura., Megías-Robles, Alberto., Catena, Andrés, Cándido, Antonio.*
- P2.34 Effects of transcranial alternating current stimulation (tACS) over frontal-midline theta oscillations on decision-making and functional connectivity: a Bayesian approach. *León, J.J., Fernández-Martín, P., Haslacher, D., Soekadar, S.R., Flores, P.*
- P2.35 Individual differences in the causality bias under disfluent conditions: Raven's progressive matrices negatively correlate with the illusion of causality when the information is hard-to-read. *Marcos Díaz-Lago, Helena Matute.*
- P2.36 Processing objects and events in locative sentences in Spanish: An eye-tracking study. *Demestre, J., Aguilar, M*
- P2.37 Do affective properties vary across languages? A comparison between emotion-label and emotion-laden words. *Ruiyao Zheng, Marc Guasch, Pilar Ferré*
- P2.38 Reducing Correspondence Bias: the effect of Moral Elevation on social perception. *Ion Yarritu.*

- P2.39 How do adults attribute responsibility in bullying situations? *Gordo, C., Moreno-Fernández, M. M., Moreno-Ríos, S.*

Poster Session 3. 25 October. 10:30-11:30 h

- P3.1 Auditory Distraction: Deviant Sounds Hinder Response Repetition and Facilitate Response Change. *Elena García-López, Fabrice B. R. Parmentier.*
- P3.2 Explicit knowledge modulates reversal learning in value-modulated attentional capture. *Adriana Ariza, Pablo Martínez-López, Francisco Garre-Frutos, David Luque, Miguel Vadillo, Felisa González.*
- P3.3 Exploring the effect of binge drinking pattern of consumption and physical activity on an attentional task. *José Manuel Lerma-Cabrera; Alba Mar Thompson-Gallardo; Francisca Carvajal; Carmen Noguera.*
- P3.4 Investigating Metacognition and Mind-Wandering: Evidence from a High-Definition tDCS Study. *Luis J. Fuentes, Víctor Martínez-Pérez, Miriam Tortajada, Lucía B. Palmero, Guillermo Campoy, Bernhard Hommel.*
- P3.5 The use of the differential outcomes procedure for improving attentional control. *Gomis-Veas, Noelia; García-Pérez, Ángel; Vivas, Ana Belén; Estévez, Ángeles Fernández.*
- P3.6 Exploring the Circadian Influence of Cognitive Processes that Do and Do Not Require Cognitive Control: Evidence from the Self-Prioritization Effect (SPE). *Lucía B. Palmero, Víctor Martínez-Pérez, Miriam Tortajada, Guillermo Campoy, Luis J. Fuentes.*
- P3.7 Structural analysis of the spatial interference effects produced by social and non-social stimuli in the Social Stroop task. *Renato Ponce, Andrea Marotta, María Casagrande, Carlos García-González, Juan Lupiáñez.*
- P3.8 Is the reversed congruency effect observed with gaze due to its social nature? Analysis of non-social stimuli with similar asymmetrical contrast features of eye-gaze stimuli. *Greta Castellanelli, Renato Ponce, Rafael Román-Caballero, Jeanette Chacón, Juan Lupiáñez, Andrea Marotta.*
- P3.9 Context-based distraction by deviant sounds does not correlate with ADHD symptomatology. *Laura Gallego, Fabrice B. R. Parmentier.*
- P3.10 Value-modulated attentional capture depends on explicit awareness. *Francisco Garre-Frutos, Juan Lupiáñez, Miguel A. Vadillo.*
- P3.11 Taming the wandering mind with mindfulness training: A meta-analysis of causal evidence. *Luis Cásedas, Jonathan W. Schooler, Juan Lupiáñez, Miguel A. Vadillo.*
- P3.12 Closed-loop neurofeedback to improve conscious perception. *Pablo Rodríguez-San Esteban, Ana Belén Chica, Maarten Ottenhoff, Christian Herff, José A. González-López.*

- P3.13 Neural correlates of the pulvinar and mediodorsal thalamus in visual search guided by explicit and implicit cues. *Leandro Lecca-Villacorta, Ana B. Chica, Garikoitz Lerma-Usabiaga, Pedro M. Paz-Alonso.*
- P3.14 Bringing Visual Search to Life: how we find colored objects when performing a natural task. *Laura Cepero, Enrique Heredia-Aguado, Lidia Sobrino, Laura Cantero, María García de Viedma, Victoria Plaza, M. Pilar Aivar.*
- P3.15 Iconic memory in adult dyslexia: reduced accuracy in change identification of pseudoletters. *Javier Roca, Laura Royo, Pilar Tejero.*
- P3.16 Effect of bilingualism experience on attentional spatial orienting skills in beginner readers. *Ana Calviño López, Marie Lialie*
- P3.17 Is there value in value-driven distraction? A meta-analysis of studies on individual differences. *Francisco Garre-Frutos, Juan Lupiáñez and Miguel A. Vadillo.*
- P3.18 Streams of conscious visual experience: a functional connectome study. *Mar Martín-Signes, Ana B. Chica, Paolo Bartolomeo & Michel Thiebaut de Schotten.*
- P3.19 An analysis of the unconscious processing of hierarchical patterns through Bayesian and General Recognition Theory models. *Christian Andrade, Antonio Prieto, Pedro R. Montoro, Mikel Jimenez, José Antonio Hinojos.*
- P3.20 Context-dependent allocation of attentional control in anxiety and uncontrollability: The role of flexible learning. *Joaquín M. M. Vaquero, Juan Lupiáñez, Alberto Acosta and Marcin Bukowski.*
- P3.21 Investigating Cognitive Domain Interactions: Linguistic and Numerical Processing of "Increase" and "Decrease" concepts. *Ayala-Cuesta, Miguel, Abril, Verónica. Macizo, Pedro,*
- P3.22 Dynamic neural codes of content and geometry during a novel instruction task. *Pena, P., Palenciano, A. F., González-García, C., Ruz, M.*
- P3.23 A novel paradigm to study the interactions between selective attention and expectation during preparation. *J.M García-Román, José M.G. Peñalver, David Richter, F. Gutiérrez-Blanco, María Ruz.*
- P3.24 Analysis of executive functions in a sample of the impulsive-compulsive spectrum through a virtual reality task: ICECREM Nesplora. *Rodríguez-Herrera Rocío, Fernández-Martín Pilar, León José Juan, Sánchez-Kuhn Ana, Sánchez-López Marcos, Soto-Ontoso Miguel, Flores Pilar*
- P3.25 Role of cerebellum in cognitive flexibility, inhibitory control and working memory: a transcranial direct current stimulation (tDCS) double-blinded and sham-controlled study. *Ana Sánchez-Kuhn, José Juan León-Domene, Pilar Fernández-Martín, Rocío Rodríguez-Herrera, Fernando Sánchez-Santed, Margarita Moreno, Marta Miquel, Pilar Flores.*
- P3.26 Influence of Emotional States and Cognitive Flexibility on Inhibitory Control Performance. *Llamas, L.; Rodríguez-Rodríguez, J.A.; Noguera, C.*

- P3.27 Handwriting processing in children with attention-deficit/hyperactivity disorder with/without dyslexia. *Paz Suárez-Coalla, Andrea González-Vázquez, Verónica Martínez.*
- P3.28 Hierarchical Detection of Auditory Irregularities in Early Infancy: An Event Related Study. *Josué Rico-Picó, Julia Hernández, M. Rosario Rueda, Ana B. Chica.*
- P3.29 Semantic distance reduction predicts the intensity of the Aha! experience in one-shot perceptual learning. *Johannah Voeller, Carlos González García, Juan Linde Domingo.*
- P3.30 Temporal Dynamics in Gender Stereotype Representation and Its Influence on Face Perception. *Francisco Gutiérrez Blanco, Sergio Gaspar, José Manuel García Román, Juan Linde Domingo and María Ruz.*
- P3.31 An open-source approach for closed loop cognitive studies. *Arturo José Valiño, María Silva-Gago, Manuel J. Blanco, Felipe Criado-Boado, Luís Martínez Otero.*
- P3.32 Eyes only: The reversed spatial Stroop effect cannot be generalized to head targets. *Yoshihiko Tanaka and Matia Okubo.*
- P3.33 Speech Recognition from a Familiar Speaker Engages the Person Identity Network. *Gaël Cordero, Jazmin Paredes, Katharina von Kriegstein, Begoña Díaz.*
- P3.34 La influencia del sexo y el rol de género en la atención social: un estudio sobre su relación con habilidades sociales y orientación académica. *Jeanette A. Chacón-Candia, Juan Lupiáñez, María Casagrande y Andrea Marotta.*
- P3.35 Mouse-Tracking as a Window into Rule-Based Reasoning. *Paolo Buttazzoni, Ivar Rodriguez Hannikainen, María Ruz, Francisco Gutiérrez Blanco.*
- P3.36 Assessing fitness-to-drive using the Orienting Hazard Prediction Test: Data from stroke survivors. *Cándida Castro, Daniel Salazar-Frías, Ana Szot, Lucia Laffarga, Ismael Muela, María Rodríguez-Bailón, Pedro García-Fernández, Eduardo Eisman, Ana B. Chica.*
- P3.37 Handwriting vs. Keyboarding: Performance Disparities in Spanish Adults with Dyslexia. *Cristina Martínez-García, María González-Nosti, Andrés Carnota y Paz Suárez-Coalla*
- P3.38 Exploring taboo words among young Spanish speakers. *Cristina Martínez-García, Marina Vega-Harwood, Sara Incera y Paz Suárez-Coalla.*
- P3.39 Eyes on the road: applying human visual patterns to autonomous vehicle technology. *Jose L. Tapia, Aranza Lira-Delcore, Francisco Badea, Jon Andoni Duñabeitia.*

