



**POSTERS | 27 October, C3 Atrium, 12:30-14:30**

**BioISI | Biosystems & Integrative Sciences Institute**

***Deletion of the ataxia-related chaperone saccin disrupts the intermediate filaments network in glial cells***

Fernanda Murtinheira, Cristina Duarte-Olivenza, Maria Beatriz Teixeira, Ricardo Letra-Vilela, Vanesa Martin, Carmen Rodriguez, Cláudia Valente, Abel Oliva and Federico Herrera

***A novel chaperone protein in the human brain that inhibits protein aggregation and toxicity in neurodegenerative dementias***

Guilherme G. Moreira, António Figueira, Andrea Quezada, Filipa S. Carvalho, Joana S. Cristóvão, Filipe Rodrigues, Ana Carapeto, Mário Rodrigues, Miguel Machuqueiro, Federico Herrera and Cláudio M. Gomes

***Rape cell wall changes upon infection by different fungal pathogens***

Helena Santos, Florent Weiller and Ana Margarida Fortes

**cE3c | Centre for Ecology, Evolution and Environmental Changes**

***Passive acoustic monitoring of biodiversity: the influence of habitat type in bird community characterization***

Ana I. Leal, Jorge M. Palmeirim and Ana Rodrigues

***Participation in linear and interactive documentaries towards Human-Nature interaction***

Carolina Dias

***Virulence constrains transmission even in the absence of a genetic trade-off***

Diogo P. Godinho, Leonor R. Rodrigues, Sophie Lefèvre, Laurane Delteil, André F. Mira, Inês R. Fragata, Sara Magalhães and Alison B. Duncan

***Hey! What's up in ESFE?***

Joana Jesus, Andreia Anjos and Catarina Costa

***Demographic history and molecular adaptation in western Iberian freshwater fish***

João M. Moreno, Sofia L. Mendes, Maria M. Coelho and Vitor C. Sousa

***Effects of elevation and disturbances on the diversities of bryophyte and macrolichen in Laurel forest of Madeira Island***

Manuela Sim-Sim, Steffen Boch, Ariel Bergamini, Susana Fontinha and Anabela Martins

***Niche shifts of an invasive predator of native bees: contrasting patterns from the two European invasion fronts***

Maria João Verdasca, Luísa Carvalheiro, Quentin Rome, Sébastien Puechmaille, Rui Rebelo and Hugo Rebelo

***Keeping pace with fast environmental changes, a science based approach for sustainable Cork Oak forests***

Octávio S. Paulo, Francisco Pina-Martins, Ana C. Coelho, Augusta Costa, Isabel Marques, Dora Batista, F. Xavier Picó, Arnald Marcer, Bouchra Belkadi and Cristina Branquinho

***PGPB-mediated modulation of the wheat microbiome***

Pablo Carril, Joana Cruz, Juliana Melo, Rogério Tenreiro and Cristina Cruz

***LAMA2 congenital muscular dystrophy: the road to unravel the disease onset***

Susana G. Martins, Pedro Santos, Antonio Cordero, Catarina Melo, Vanessa Ribeiro, Inês Antunes, Bérénice Saget, Rita Soares, Margarida Gama-Carvalho, Perpétua Pinto-do-Ó, Rita Zilhão, Gabriela Rodrigues, Ana Rita Carlos and Solveig Thorsteinsdóttir

**CEAUL | Centro de Estatística e Aplicações da Universidade de Lisboa**

***The role of Statistics in Science and Society: CEAUL's contributions***

Vera Pinto, Iúri Correia, Carolina S. Marques, Tiago A. Marques and Lisete Sousa

**CESAM-Ciências | Centro de Estudos do Ambiente e do Mar**

***It's not (just) about genetics: the case of rodenticide resistance in synanthropic rodents***

Ana Santos, Maria da Luz Mathias and Sofia I. Gabriel

***The influence of short-term captivity on the behaviour and behavioural stress of wild-caught wood mice (Apodemus sylvaticus)***

Mailis Carrilho, Guilherme Aparício, Maria da Luz Mathias, Sophie von Merten and Joaquim Tapisso

***Personality within and among colonies of a social pine vole***

Rita S Andrade, Sophie von Merten Maria da Luz Mathias, Susana A Varela and Ana M Cerveira

**CFCUL | Centro de Filosofia das Ciências da Universidade de Lisboa**

***The Interacting Self. From self-consciousness to social interactions in humans and artificial agents***

Anna Ciaunica

***'It's a Kind of Magic': Exploring multisensory modulation of the sense of self through bodily movements and action observation in depersonalisation and psychedelic experiences***

Anna Ciaunica

**CFTC | Centro de Física Teórica e Computacional**

***Life in the lab***

Hygor Piaget

***Go with the flow***

Rodrigo Coelho

**CIUHCT | Centro Interuniversitário de História das Ciências e da Tecnologia**

***AQUA - HORTO AQUAM SALUTAREM: Water wise management in the early modern period***

Ana Duarte Rodrigues

***E3GLOBAL - Einstein, Eddington and the Eclipse. A global history of the 1919 solar eclipse***

Ana Simões

***RUTTER- Making the Earth Global: Early modern nautical rutters and the construction of a global concept of the earth***

Henrique Leitão

***MEDEA-CHART - The medieval and early modern nautical chart: birth, evolution and use***

Joaquim Alves Gaspar

***Ongoing projects led by CEEC researchers and hosted by CIUHCT***

Jorge Flores, Maurizio Esposito, Cristina Luís, Samuel Gessner and Luís Tirapicos

**CMAFcIO | Centro de Matemática, Aplicações Fundamentais e Investigação Operacional**

***Optimization approaches to the ambulance dispatching and relocation problem***

Ana Sofia Carvalho and Maria Eugénia Captivo

***Meshes and finite elements on manifolds with ManiFEM***

Cristian Barbarosie, Anca-Maria Toader and Sérgio Lopes

***Entropy and equilibrium: the spectral gap of the Kac process***

Luís Simão Ferreira

***The consistent TSP in healthcare scheduling***

Mafalda Ponte

***Lions-Calderón spaces and applications to fractional partial differential equations***

Pedro Campos

***The measure transition problem for meromorphic functions***

Robinson Pompeu

**CQE-Ciências | Centro de Química Estrutural**

***CQE Mission***

Ana Paula Carvalho

***CQE MEDLife***

Tânia Morais e Joaquim Marquês

***CQE SUSChem***

Nuno Neng

**CQE MATSoft**

Carlos Bernardes

**CQE SYNCat**

Carla Nunes

**IA | Instituto de Astrofísica e Ciências do Espaço**

**Instrumentation: *Light source stabilization system for high accuracy photometry instruments in Astronomy***

Cédric Pereira, Manuel Abreu and Alexandre Cabral

**Planets: *Cloud tracking technique and Akatsuki's space-based observations in ultraviolet***

Daniela Espadinha, Pedro Machado, Javier Peralta, José Silva, Gabriella Gilli, Ruben Gonçalves, Miguel Silva and Francisco Brasil

**Planets: *Characterising atmospheric gravity waves on the nightside of Venus: A systematic study***

José Silva, Pedro Machado, Javier Peralta and Francisco Brasil

**Galaxies: *Athena: a clearer view of the Hot and Energetic Universe***

Israel Matute, José Afonso, Manuel Abreu, Stergios Amarantidis and Rodrigo Carvajal

**Cosmology: *The Scaling Cubic Galileon: Phenomenology and cosmological constraints***

Inês S. Albuquerque and Noemi Frusciante

**IBEB | Instituto de Biofísica e Engenharia Biomédica**

***Multimodal approach classifies Alzheimer's Disease and Mild Cognitive Impairment using Tau PET values and MRI volumes with machine learning***

Helena Rico Pereira and Hugo Alexandre Ferreira

***Re connecting the motor brain in ALS with electrical stimulation***

Sofia Rita Fernandes, Alexandre Andrade, Hugo Alexandre Ferreira and Pedro Cavaleiro Miranda

***Temporal profile of intranasal oxytocin in the human autonomous nervous systems at rest: a heart rate variability and spontaneous pupillary oscillations study***

Gonçalo Cosme, Patrícia Arriaga, Pedro J. Rosa and Diana Prata

***Mineralogical characterization, resource estimation and 3D modeling of sulfidic tailings at the Neves Corvo Mine***

Alexandra Escobar, Jorge M.R.S. Relvas, Álvaro M.M. Pinto and Mafalda Oliveira

***LIFE DUNAS | Understand, Protect and To value***

Ana Nobre Silva, Ana Pinto Bastos, César Andrade and Rui Taborda

***Can swell waves propagate the remote climate change signal across the oceans?***

Gil Lemos, Alvaro Semedo, Mark hemer, Melisa Menendez and Pedro Miranda

***Assessment of groundwater quality trends using numerical models and mass transport***

Joel Zeferino, Maria do Rosário Carvalho, Helder Chaminé, Maria José Afonso, L Freitas, Jose Martins Carvalho, Ana Rita Lopes and Maria do Rosário Jesus

***Geographical distribution of solar urban potential for vehicle integrated photovoltaics***

Miguel Brito, Teresa Santos, Rodrigo Amaro e Silva, David Miguel Pera, Filipe Moura and Jorge Rocha

***Brazil on fire: regional burning patterns over Cerrado***

Patrícia S. Silva, Joana Nogueira, Julia A. Rodrigues, Filippe L. M. Santos, José M. C. Pereira, Carlos C. DaCamara, Gabriel A. Daldegan, Allan A. Pereira, Leonardo F. Peres, Isabel B. Schmidt and Renata Libonati.

***Metals needs in an accelerated-changing world***

Susana Custódio, Ícaro Silva, Stéphanie Dumont, Nuno Afonso Dias and David Schlaphorst (Research Group 3 – Solid Earth Dynamics, Hazards and Resources)

***Deciphering the processes that shape ocean island volcanoes***

Susana Custódio, Ícaro Silva, Stéphanie Dumont, Nuno Afonso Dias and David Schlaphorst (Research Group 3 – Solid Earth Dynamics, Hazards and Resources)

***Distribution and origin of sedimentary waves on the insular shelf of Madeira Island: Insights from morphological and morphometric analysis of multibeam bathymetry***

Viviana Belvisi, Rui Quartau, Claudia Romagnoli, Daniele Casalbore, José Madeira and Aurora Bizarro

***Using building thermal mass to offset temporary BIPV output reductions due to passing clouds in an office building***

João Bravo Dias and Guilherme Carrilho da Graça

***LiquidJava: adding lightweight verification to java***

Catarina Gamboa, Paulo Santos, Chris Timperley and Alcides Fonseca

***Inclusive gaming through assymetry***

David Gonçalves, Pedro Pais, André Rodrigues and Tiago Guerreiro

***LEGOWorld: Repurposing commodity tools and technologies to create an accessible and customizing programming environment***

Gonçalo Cardoso, Ana Pires, Lúcia Verónica Abreu, Filipa Rocha and Tiago Guerreiro

***Improving land cover classification using genetic programming for feature construction***

João E. Batista, Ana I. R. Cabral, Maria J. P. Vasconcelos, Leonardo Vanneschi and Sara Silva

***Fitness landscape analysis of convolutional neural network architectures for image classification***

Nuno M. Rodrigues, Katherine Malan, Gabriela Ochoa, Leonardo Vanneschi and Sara Silva

***Scintillating array for real time high-resolution ion therapy dosimetry: initial design and tests***

Duarte Guerreiro, Jorge Sampaio, Luis Peralta, João Gentil, Matilde Santos, Luis Lopes, Pedro Assis, Miguel Ferreira, José Carlos Nogueira, Guiomar Evans, Abel Oliva, Federico Herrera, Francisco Alves and Sérgio Carmo

***Understanding the origin of the elements using nuclear reactions***

Manuel Xarepe, Francisco Barba, João Afonso Jantarada, Ricardo Pires and Daniel Galaviz.

***Monitoring 20-year inter-regional changes in phytoplankton biomass off the antarctic peninsula using ocean colour remote sensing***

Afonso Ferreira, Carlos Rafael B. Mendes, Vanda Brotas and Ana C. Brito

***Elasmobranch responses to experimental warming acidification and oxygen loss—a meta-analysis***

Catarina Pereira Santos, Eduardo Sampaio, Beatriz P. Pereira, Maria Rita Pegado, Francisco O. Borges, Carolyn R. Wheeler, Ian A. Bouyoucos, Jodie L. Rummer, Catarina Frazão Santos and Rui Rosa

***Climate change impacts on the distribution and habitat suitability of dwarf eelgrass (Zostera noltii)***

Francisco O. Borges, Catarina Pereira Santos, Vanessa M. Lopes, Bernardo Duarte, José R. Paula, Tiago Repolho and Rui Rosa

***Changes in provisioning ecosystem services caused by the introduction of the manila clam***

Frederico Carvalho, José Lino Costa, João Ramajal, Miguel B. Gaspar and Paula Chainho

***Scale effects on food-web indicators – impacts at Biogeographic Region level***

Inês Machado, Célia M. Teixeira, José L. Costa and Henrique Cabral

***Depressed, hypertense and sore: Long-term effects of fluoxetine, propranolol and diclofenac exposure in a top predator fish***

Irina A. Duarte, Patrick Reis-Santos, Sara C. Novais, Lénia D. Rato, Marco F.L. Lemos, Andreia Freitas, Ana Sofia Vila Pouca, Jorge Barbosa, Henrique N. Cabral and Vanessa F. Fonseca

***Integrated approach to study of the movement dynamics of the meagre***

João Pedro Marques and Bernardo Quintella

***MARE GOES TO SCHOOL: where schools meet the sea***

Luísa Aurélio, Susana França, Vera Sequeira, João Paulo Medeiros, Maria João Correia, Romana Santos, Diana Boaventura, Paula Chainho and Ricardo Melo

***Mind the gaps: taxonomic, geographic and temporal data gaps of marine invertebrate databases from Mozambique and São Tomé and Príncipe***

Marta Bento, Henrique Niza, José Paula, Salomão Bandeira and Alexandra M Correia

***NGANDU: The importance of shark populations and sustainable ocean use for human well-being in Cape Verde and São Tomé and Príncipe, West Africa***

Rui Rosa and Catarina Frazão Santos

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