



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

Alexandra Afilhado, Ana Cristina Azerêdo, Ana Patricia de Jesus, António Mateus, António Ribeiro, Carlos Corela, David Schlaphorst, Elisa Sanchez-Moreno, Eric Font, Fernando Santos, Francisco Moreno, Francisco Fatela, Icáro Fróis Silva, João Carlos Moreno, João Mata, João Cabral, José Brandão Silva, José Madeira, Michael Bos, Manuel Loureiro, Maria Cristina Cabral, Maria da Graça Silveira, Maria PaulaTeves-Costa, Mário Abel Gonçalves, Nuno Dias, Paulo Fonseca, Ricardo Ramalho, Rui Fernandes, Stephanie Dumont, Susana Custódio, Telmo Santos, Virgilio Mendes

Deciphering the processes that shape ocean island volcanoes

Alexandra Afilhado, Ana Cristina Azerêdo, Ana Patricia de Jesus, António Mateus, António Ribeiro, Carlos Corela, David Schlaphorst, Elisa Sanchez-Moreno, Eric Font, Fernando Santos, Francisco Moreno, Francisco Fatela, Icáro Fróis Silva, João Carlos Moreno, João Mata, João Cabral, José Brandão Silva, José Madeira, Michael Bos, Manuel Loureiro, Maria Cristina Cabral, Maria da Graça Silveira, Maria PaulaTeves-Costa, Mário Abel Gonçalves, Nuno Dias, Paulo Fonseca, Ricardo Ramalho, Rui Fernandes, Stephanie Dumont, Susana Custódio, Telmo Santos, Virgilio Mendes

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

LASIGE | Computer Science and Engineering Research Centre

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

LIP | Laboratório de Instrumentação e Física Experimental de Partículas

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