



I CBMA OPEN DAY & II PhD|Bio SYMPOSIUM

 B1 Auditorium, CP11 - Gualtar Campus, University of Minho

09h00 Registration and Opening Session

Session I - Bio-inspired systems and biotechnological solutions

09h30 Invited Speaker – Raul Machado

Bioinspired protein polymers: genetically engineered for versatility and functionality

09h50 Henrique Silva

Graphene/lipid nanosystems for cancer imaging and treatment

10h00 Paulo Silva

Exploring heterologous expression of branched-chain α -ketoacid dehydrogenases (BCKDH) for *de novo* synthesis of capsaicinoids in *Saccharomyces cerevisiae*

10h10 Patrícia Pereira Silva

Tailoring ZnO thin films with gold nanoparticles for antifungal surfaces

10h20 Coffee Break and Posters Sessions

Session II - Biodiversity and ecosystem functioning under global change

10h40 Invited Speaker – Sofia Costa

Ecology of soil nematodes: from agroecology to conservation biology

11h00 Diana Graça

Impacts of multiple stressors on freshwater ecosystems are mediated by fungal identity

11h10 Ana Rita Pimentão Rodrigues

Ecological effects of antifungals on non-target aquatic organisms in a context of regional asymmetries in fungicide sales and knowledge gaps in research agendas

11h20 Rui Carvalho

Nematode diversity and soil functions under different land uses at a regional scale

11h30 Coffee Break and Posters Sessions

Session III - Living systems unravelled by computational or integrative approaches

12h00 Invited Speaker – Teresa Rito

(De)coding genomic complexity: exploring microbial diversity, evolution, and functionality

12h20 João Alves

Examining the role of specific amino acid residues of CexA from *Aspergillus niger* on citrate transport

12h30 Cláudia Machado

Environmental DNA for detecting marine fish species: testing the volume of sampled water, markers and primers in a public oceanarium

12h40 Mariana Vale

A non-mature miRNA-encoded miPEP166c increases the synthesis of anthocyanins and proanthocyanidins in grape berry cells

12h50 Lunch

Elevator Pitch Contest for PhD Students

14h30 Elevator Pitch Contest

15h30 Coffee Break and Posters Sessions

AI tools: challenges and opportunities

15h45 Invited guests testimonials and Round Table Q&A

17h00 Award session and closing ceremony

18h00 CBMA Sunset (@ University Restaurant)

