



JORNADA 6º PhDay BIOLOGÍA



6 OCTUBRE 2022



DESDE LAS 9:20
HASTA LAS 18:00



SALÓN DE ACTOS
FAC. CC. BIOLÓGICAS UCM

PROGRAMA

9:20 — 9:30 Bienvenida

9:30 — 10:15 Conferencia plenaria I. Prof. Fernando Pardos (UCM).
Trabajar con Kinorrrincos: ¿qué hacer con un bicho como este?

15:00 — 15:45 Conferencia plenaria II. Dra. Auxiliadora Prieto (CIB-CSIC).
Los bioplásticos y la economía circular.

CONFERENCIAS ORALES: Sesión I

10:15 — 10:30 **Pablo Cea Callejo**
A novel, rapid molecular method for the diagnosis of avian metapneumovirus by nanoprobe

10:30 — 10:45 **Clara Melguizo Ávila**
Is *Hanseniaspora uvarum* U1 an effective biocontrol agent against *Aspergillus flavus*?

10:45 — 11:00 **Paula Losada Oliva**
Pulmonary surfactant biophysics and surfactant protein SP-B levels in COVID-19-related Acute Respiratory Distress Syndrome

11:00 — 11:15 **Nuria Saiz Aparicio**
El desajuste de sincronizadores ambientales afecta a la homeostasis energética y la ansiedad en carpín (*Carassius auratus*)

11:15 — 11:30 **María Rubert Hernández**
The endocannabinoid system in the breast tumor microenvironment: Role in tumor progression and response to immunotherapy

11:30 — 11:45 **Marta Miñarro Rodríguez**
The unsolved mystery of the philippine flat-headed frog, *barbourula busuangensis* (Anura: bombinatoridae).

11:45 — 12:15 **COFFE BREAK** (Sesión de poster opcional)

CONFERENCIAS ORALES: Sesión III

15:45 — 16:00 **Marta Seijo Vila**
Role of HER2-CB₂ heteromers in trastuzumab resistance in HER2+ breast cancer

16:00 — 16:15 **Diego Madera Sánchez**
Glucagon and adrenaline: two modulators of nocturnin expression in goldfish?

16:15 — 16:30 **Ainhoa Collada Marugán**
Characterization of the structure of pulmonary surfactant interfacial films by neutron reflectometry

16:30 — 16:45 **Gabriel Munar Delgado**
Matching habitat choice can drive ecological divergence and adaptive evolution

16:45 — 17:00 **Sergio Plaza Alonso**
The Synaptic Organization of the Human Entorhinal Cortex: A 3D Electron Microscopy Study.

SESIÓN DE POSTERS

17:00 — 17:30 **Sara Jimenez**
Development of subdomains in the medial pallidum of *Xenopus laevis* and *Trachemys scripta*: insights into the anamniote-Amniote transition

Mariano Rubén Rodríguez Sosa
EphB3 signaling modulates bone cell lineage homeostasis

Elena Alonso Prados
Trends on the winter colonies losses of *Apis mellifera* in different regions in Spain: analysis of type of acaricide treatments and other factors

Guillermo Velayos Monge
Checklist of Vascular Plants from Rio Muni, Equatorial Guinea.

Lisbeth Herrera Castillo
Different management conditions affect metabolic rate in goldfish

Esther García Díez
Protective effect of a cocoa-carob blend against oxidative stress in type 2 diabetes: molecular mechanisms and preclinical effects

Ainhoa Collada Marugán
A study of pulmonary surfactant mechanical properties using atomic force microscopy: The role of hydrophobic proteins SP-B and SP-C

Carolina Gómez Albarrán
Gene editing of *Aspergillus niger* using CRISPR-Cas9

17:30 — 18:00 **ENTREGA DE PREMIOS**

CONFERENCIAS ORALES: Sesión II

12:15 — 12:30 **Pedro Rebollo**
The role of climate and structural characteristics in spatial patterns of tree mortality and damage in mediterranean forests

12:30 — 12:45 **Alejandro Martínez Navarro**
Catch-all no more: integrative systematic revision of the genus *Allolobophora* (Arassiditellata, Lumbricidae) with the description of two new relict earthworm genera

12:45 — 13:00 **Elena María Tovar Ambel**
Targeting the midkine/alk axis as a therapeutic strategy in gliomas

13:00 — 13:15 **Diego Batallas**
Anurans of the high andean ecosystems of the province of carchi-ecuador: a biodiverse cryptic madness

13:15 — 13:30 **Alicia Cabrera Martín**
Finding functional gaps: G protein- coupled signalling pathways for VIP receptors

13:30 — 13:45 **Javier Vicente Sánchez**
Análisis de la diversidad genética y fenotípica en la levadura *Lachancea thermotolerans*

13:45 — 14:00 **David Castro Vázquez**
VIP promotes in vitro osteogenic differentiation of a human bone marrow mesenchymal stem cell line

14:00 — 15:00 **LUNCH BREAK** (Sesión de poster opcional)



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