

SOCIETY FOR EXPERIMENTAL BIOLOGY PRESENTS:

# SEB PRAGUE 2024

2-5 JULY 2024

CLARION CONGRESS HOTEL, PRAGUE

SEBIOLOGY.ORG

#SEBCONFERENCE



# PRAGUE 2024



SESSION TOPICS WILL INCLUDE:

## ANIMAL BIOLOGY

- A2 - FROM THE LAB TO THE FIELD: INCORPORATING ENVIRONMENTAL RELEVANCE INTO EXPERIMENTAL BIOLOGY
- A3 - GENOME ARCHITECTURE AND POLYPLOIDY IN ANIMALS AND ITS ROLE IN THE EVOLUTION OF PHYSIOLOGICAL PLASTICITY.
- A5 - INTERDISCIPLINARY APPROACHES IN BIOACOUSTICS: CELLS, BEHAVIOR, AND MECHANICS
- A6 - INVISIBLE FRIENDS: MICROBIOME IN ECO-EVOLUTIONARY RESEARCH
- A7 - LIFE IN FLUX -HOW ENVIRONMENTAL VARIABILITY SHAPES PHYSIOLOGY ACROSS BIOLOGICAL AND TEMPORAL SCALES
- A8 - LINKS BETWEEN PHYSIOLOGY AND BEHAVIOUR IN A CHANGING WORLD
- A9 - MECHANICS OF MECHANORECEPTION ACROSS SCALES AND KINGDOMS
- A10 - MEMBRANE AND EPITHELIAL TRANSPORT PHYSIOLOGY ACROSS TAXA
- A11 - NOT ALL STRESS IS BAD: UNDERSTANDING PROTECTIVE STRESSOR INTERACTIONS IN CHANGING ENVIRONMENTS
- A12 - OMICS IN COMPARATIVE ANIMAL PHYSIOLOGY
- A13 - POWERING THROUGH: MITOCHONDRIAL PLASTICITY AND HOMEOSTASIS UNDER PHYSIOLOGICAL CHALLENGES.
- A16 - TIPPING THE SCALES: BALANCING ENERGY ACQUISITION, EXPENDITURE, AND ALLOCATION IN AN EVER-CHANGING WORLD

- A17 - TRANSCENDING GENERATIONS: EXPLORING THE MECHANISMS, PROCESSES, AND EVOLUTIONARY IMPACTS OF PARENTAL EFFECTS
- A18 - UNCOVERING THE SECRETS OF THERMAL ACCLIMATION: FROM UNDERLYING MECHANISMS TO DYNAMICS OF ACCLIMATION
- A19 - VERTEBRATE CARDIORESPIRATORY PHYSIOLOGY
- A20 - VARIATION IN EXPERIMENTAL BIOLOGY: WHAT SHOULD WE DO WITH IT?
- A21 - OPEN ANIMAL BIOMECHANICS
- A22 - OPEN ANIMAL
- A23 - OPEN BIOMECHANICS

## SCIENCE ACROSS BOUNDARIES - CELL, PLANT AND ANIMAL BIOLOGY

- SAB1 - INNOVATIVE METHODS AND TECHNIQUES IN BIOMECHANICS
- SAB2 - PLANT EPIGENETICS: FROM MODELS TO CROPS
- SAB3 - REPRODUCTIVE SENESCENCE: HOW, WHAT, WHEN, AND WHY?

