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

CELL BIOLOGY

- C3 - THE CYTOSKELETON ACROSS KINGDOMS
- C4 - CHROMOSOME INSTABILITY AND DNA REPAIR
- SAB2 - PLANT EPIGENETICS: FROM MODELS TO CROPS

PLANT BIOLOGY

- P1 - ADVANCING PLANT NUTRITION IN THE AGE OF SYSTEMS AND SYNTHETIC GENETICS
- P2 - FROM SENSING TO REMEMBERING: PLANTS' RESPONSES TO TEMPERATURE FLUCTUATIONS
- P3 - GENOMIC AND EPIGENETIC PLASTICITY IN PLANTS
- P4 - NANOMATERIAL-BASED BIOSENSING IN PLANT AND ENVIRONMENT
- P5 - NOVEL MECHANISMS OF RECEPTOR KINASE ACTIVATION IN PLANTS
- P6 - PEPG: INTEGRATING GENOMICS AND PHENOMICS FOR CROP IMPROVEMENT
- P7 - TRANSLATIONAL PLANT BIODIVERSITY

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?

OUTREACH EDUCATION AND DIVERSITY

- OED1 - COLLABORATING WITH INDUSTRY: MEETING LIFE SCIENCES SECTOR SKILLS NEEDS
- OED2 - ENHANCING ASSESSMENT AND FEEDBACK IN HE BIOLOGY PROGRAMMES
- OED3 - FROM CLASSROOM TO COMMUNITY: APPLIED FRAMEWORKS IN ACTION
- OED4 - MAKING YOUR SCHOLARSHIP COUNT
- OED5 - PRACTICAL SCIENCE TEACHING: CHALLENGES AND OPPORTUNITIES
- OED6 - USING DATA TO ADDRESS EQUALITY GAPS IN STUDENT OUTCOMES
- OED7 - EMBEDDING EQUALITY, DIVERSITY AND INCLUSION INTO THE BIOSCIENCE CURRICULA

WORKSHOPS

- ACADEMIC PEER REVIEW – FIRST STEPS, BEST PRACTICES & FUTURE CHALLENGES
- ESTABLISHING, EVIDENCING AND EXCELLING IN YOUR TEACHING CAREER