

SOCIETY FOR EXPERIMENTAL BIOLOGY PRESENTS:

2022 ANNUAL CONFERENCE

MONTPELLIER

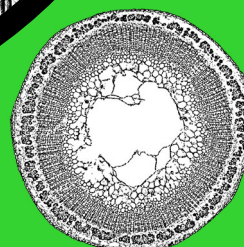
5- 8 JULY 2022

SEBIOLOGY.ORG

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MONTPELLIER 2022



SESSION TOPICS WILL INCLUDE:

ANIMAL BIOLOGY SESSIONS

- Individual variation in infection-induced phenotypes in animal hosts: Mechanisms and implications from individuals to ecosystems
- Muscles & Motors: Organismal bioinspired robotics
- To make the ends meet: intrinsic and extrinsic determinants of interindividual variation in telomere dynamics in non-model species
- The effects of parental age at time of conception on offspring performance and fitness
- Limits to thermal performance in ectotherms: the interplay between physical constraints, physiological boundaries and evolutionary trade-offs
- Animal performance in response to varying diet quality and quantity: trade-offs between efficiency and capacity
- The evolutionary significance of variation in metabolic rates
- Endocrine-mediated responses to environmental variability
- Bioinspiration, Biomimetics and Bioreplication
- Environmental and evolutionary influences on performance capacity and environmental tolerance
- Mitochondrial plasticity and adaptation: proximate determinants and ultimate consequences for adjustments to environmental conditions

- Carry-over effects of global change stressors across metamorphosis: mechanisms and consequences
- Adaptation or maladaptation of coastal populations to anthropogenic and environmental stressors
- Skeleton in the skin: Studying structure from all viewpoints
- Surviving oxygen deprivation: the role of mitochondria and the maintenance of metabolic function
- Not just down the hatch: food processing, transport, and assimilation in jawed vertebrates
- Illuminating hot topics in experimental biology: A meta-analytic approach to understanding biological phenomenon
- Open Biomechanics
- Open Animal

CELL BIOLOGY SESSIONS

- Emerging Technologies in Microscopy & Cell Biology
- Plant Nuclear and Chromatin Dynamics- INDEPTH
- Systems approaches to cellular decision-making

PLANT BIOLOGY SESSIONS

- Access and benefit sharing rights and digital sequence information: building awareness for plant scientists
- Exocytosis in plant cells
- Life at the interface - plant membrane-protein dynamics and interactions during responses to environmental change

SCIENCE ACROSS BOUNDARIES BIOLOGY SESSIONS

- Mechanical Ecology - Taking Biomechanics to the Field
- Cell Biology of the Plant Vacuole
- General cell and plant biology

CAREERS WORKSHOP