

SOCIETY FOR EXPERIMENTAL BIOLOGY PRESENTS:

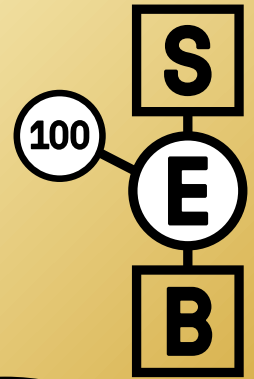
SEB CENTENARY CONFERENCE

EDINBURGH

4-7 JULY 2023

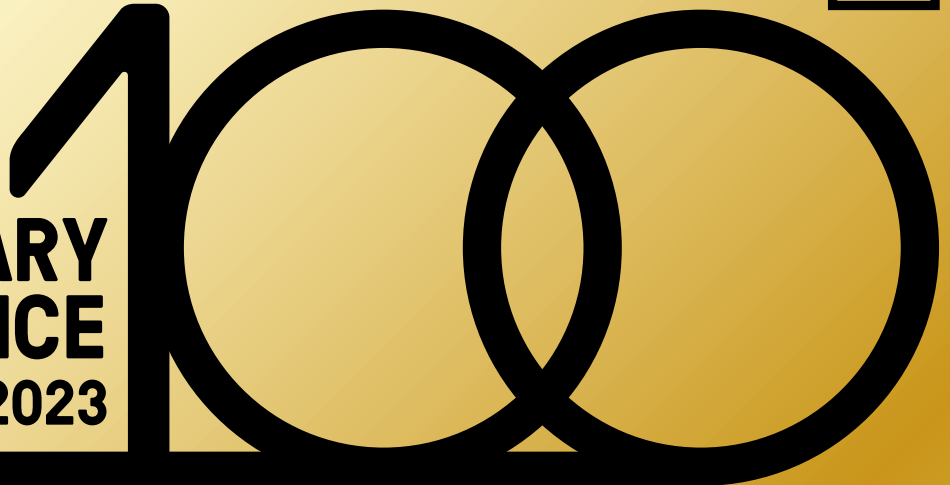
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SEB CENTENARY CONFERENCE

1923 - 2023



CELEBRATING SUCCESS & SHAPING THE FUTURE

ANIMAL BIOLOGY

PLANT BIOLOGY

CELL BIOLOGY

SESSION TOPICS WILL INCLUDE:

ANIMAL BIOLOGY SESSIONS

- Senescence in a changing world: ageing-related mechanisms in Ectotherms
- Evolutionary ecology in extreme environments
- Masters of none: the impacts of multiple stressors on performance in aquatic organisms
- Mechanics of mechanoreception across scales and kingdoms
- Insect osmoregulation
- Bright nights with dark consequences: the evolutionary ecology of coping with light pollution
- Rapid evolution of invasive populations due to anthropogenic changes
- Keeping the pace: mitochondrial and cellular bioenergetics in a fluctuating world
- Species interactions and their role in experimental physiology: bringing back the BIO
- From bacteria to whales: using size spectra to measure Global Change
- Plasticity and resilience of developmental stages to climate change
- Open biomechanics
- Open animal
- Experimental Palaeobiology - Bringing Fossils "Back to Life"

PLANT BIOLOGY SESSIONS

- Improving Crop Nutrient Status: Discovery, Innovation & Translation
- Sugar metabolism, transport and signalling in plants
- Life at the interface - plant membrane-protein dynamics and interactions during responses to environmental change
- Stomata - a model system for fundamental scientific discovery and a target for crop improvement to meet development goals
- Exocytosis in plant cells
- Plant biology for sustainability - TBC
- Engineering Earth's Carbon Cycle using Plants and their Environments
- Plant physiological responses across scales
- Cereal biology in 4D: gene expression across space and time
- Unlocking medicinal plants' full potential through rigorous application of plant science principles

CELL BIOLOGY SESSIONS

- Local and Higher Order Nuclear Structural Organization and Dynamics
- Big Data Biology
- Cell Cycles

OUTREACH, EDUCATION AND DIVERSITY SESSIONS

- Communicating and teaching ethical issues in Bioscience: Why, How, What
- Research professionals - TBC
- Sharing teaching resources - TBC
- Getting started on educational research, getting published and output
- Embedding employability in industry & impact - Title TBC
- Narrative CV's
- Diversity in bioscience

SCIENCE ACROSS BOUNDRIES

- Looking backwards and forwards after a decade of Conservation Physiology
- Thermoregulatory and metabolic adaptation in a changing world
- 100 years of SEB

WORKSHOPS

