

SOCIETY FOR EXPERIMENTAL BIOLOGY PRESENTS:

**2025 ANNUAL CONFERENCE**  
ANTWERP  
8-11 JULY 2025

SEBIOLOGY.ORG  
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SESSION TOPICS WILL INCLUDE:

### ANIMAL BIOLOGY SESSIONS

- Multiscale Musculoskeletal Mechanics and Modelling
- Experimental Palaeobiology - Bringing Fossils "Back to Life"
- Functional Morphology of Locomotion and Feeding : A Tribute to Peter Aerts
- Kinematics and Robotics - state of the arts kinematics and their transfer to robotics
- Innovative Methods and Techniques in Biomechanics
- Phenotype and Evolution
- General Biomechanics
- Comparative Endocrinology
- Stress as a Driver of Neural Plasticity: From Brains to Behaviour
- Animal Responses to a Changing World: What About Cognition?
- Going Beyond Death: Understanding Ecologically and Physiologically Relevant Impacts of Environmental Toxicants
- Innovating for a Sustainable Future: Mitigating the Environmental Risks of High-Tech Solutions
- Pollution, Osmoregulation and Energy Use
- Riding The Wave: Insights Into Plastic and Evolutionary Animal Responses to Temperature Challenges
- Vertebrate Cardiovascular and Respiratory Physiology
- Metabolic Reprogramming Across Time Scales

- Open Water: The Biology of Pelagic Fishes
- Who gets to get hooked? Experimental biology to understand the impact of selective harvesting on phenotypic and genotypic diversity
- Biotic Interactions in Freshwater Ecosystems Under Anthropogenic Environmental Change
- The Environmental Causes and Consequences For Offspring of Parental Effects
- The Effect of Early Life Stress on Adult Phenotypes: Mechanisms and Fitness Consequences
- Embryos In A Changing World
- Growing In A Changing Environment: The Importance Of Integrating Development Into The Challenges Imposed By Dynamic Environments Of The Herpetofauna.
- Surrogate Species And Comparative Physiology As Tools For Conservation
- Insights and Tools From Biologging For Conservation Physiology

### SCIENCE ACROSS BOUNDARIES BIOLOGY SESSIONS

- Physiological Genomics