

**2026 ANNUAL CONFERENCE**  
FLORENCE, ITALY  
7-9 JULY 2026

SEBIOLOGY.ORG  
#SEBCONFERENCE



# FLORENCE 2026

## SESSION TOPICS WILL INCLUDE:

### ANIMAL BIOLOGY SESSIONS

- We're just another animal: sharing ideas, techniques and approaches between fields of human and animal study
- Physiological and behavioural consequences of human wild-life interactions
- Mitochondrial plasticity: adaptive or constrained responses to stress?
- Ionic, osmotic and metabolic homeostasis in insects and other invertebrates
- Integrative physiology of respiratory gas transport and exchange
- The battle of sexes: comparative biology of females and males
- Seasonality and stress resilience: responses to environmental challenges during global change
- Integrating genomics and ecology to study adaptation to global change
- Riding the wave: insights into plastic and evolutionary animal responses to temperature challenges
- Crossing boundaries, crossing distances: physiology of species undergoing range shifts and invasions
- Digital resilience: immortalising biodiversity through 3d anatomical models a12 - digital resilience: immortalising biodiversity through 3d anatomical models
- Adaptive responses of endotherms to short-term weather events and rapid environmental changes
- Anthropogenic effects on sensory systems: implications for conservation physiology
- Cross-kingdom stress & resilience – from plants to animals and cells
- Open biomechanics
- Open animal

### CELL BIOLOGY SESSIONS

- Reactive oxygen species in cellular function: signals of resilience
- Signalling and cellular adaptation: mechanisms of stress response and differentiation
- Posttranslational modification and stress response
- Communication across plant, animal and bacterial immune systems

### PLANT BIOLOGY SESSIONS

- International Plant Systems Biology
- Talking About Resilience: Volatile Organic Compounds In Plant Communication
- Plant Epigenetics Across The Scales: Development And Plasticity
- Insights Into Multi-Scale Plant Environmental Physiology: PEPG At 50
- Harnessing Plant Associated Microbial Communities For Plant Stress Resilience
- Sirnas And Long Noncoding Rnas In Plant And Animal Development
- Epigenetic Tools: From Observation To Causality
- Open Plant
- PEPG 50th Celebration
- Complexity In Plant Genomes: From Making To Expression
- Plant Robustness From Molecules To Ecosystems

### OUTREACH, EDUCATION & DIVERSITY SESSIONS

- Cultivating Resilience In Bioscience Education: Feedback, Failure, Reflection, And Interdisciplinary Learning
- Run Your Own Race – Resilience Along Unconventional Career Paths In Science
- Enhancing Resilience And Adaptability In Bioscience Students And Educators
- Embedding Student Voice In Higher Education: Co-Creation, Representation, And Resilience, Partnering For Inclusive, Engaging Education
- Developing A Checklist To Enhance Awareness Of Intersectional Attributes In He

### WORKSHOPS

- Developing A Checklist To Enhance Awareness Of Intersectional Attributes In He
- Epigenetic Tools: From Observation To Causality
- PEPG 50th Celebration
- European Xromm Network: Advancing X-Ray Motion Analysis Through Collaborative Community

