### TITLE
Firefly: systematics, phylogeny, evolution and genome

### CHAIRMANS
<table>
<thead>
<tr>
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<th>Name</th>
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<tbody>
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### ABSTRACT
This session seeks to highlight recent discoveries related to firefly bioluminescence across systematics, phylogenetics, and genomics. The family *Lampyridae* is a model system for the study of bioluminescence due to its diversity of species and communication systems, which is being studied with a broad set of research tools and technologies. Fireflies, the most commonly encountered and best-known bioluminescent organisms, produce light in at least one life stage with the visual signals serving a variety of functions. Current research continues to expand our knowledge of how firefly bioluminescence is produced, functions and evolves.

### KEYWORDS
- Genome
- Phylogeny
- Diversity
- Evolution
- *Lampyridae*