



**SESSION
BL 3**

TITLE	Firefly: systematics, phylogeny, evolution and genome		
CHAIRMANS	1	Marc A. Branham	USA
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ABSTRACT	<p>This session seeks to highlight recent discoveries related to firefly bioluminescence across systematics, phylogenetics, and genomics. The family <i>Lampyridae</i> 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.</p>		
KEYWORDS	Genome, Phylogeny, Diversity, Evolution, <i>Lampyridae</i>		