

Symposium 8

Omics and genetic tools for algal model organisms: understanding the biology of algae using metabolomic, proteomic, and genomic approaches

Conveners

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Key-note speakers

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Symposium description

Systems biology has arrived in phycology and revolutionizes the approaches and concepts. Especially the available genomes of model organisms facilitate the creative use of multiple -omics techniques. From simple adaptation to stress responses to most complex developmental questions an alga can now be characterized in full. But even modes of interaction of algae with pathogens or competitors are now accessible. In this session we discuss progress on diverse model organisms but also welcome contributions that report on methodological break-through in algal systems biology.

