

#### S4. Evo-Devo

Conveners: José Luis Gómez-Skarmeta, Ivan Gomez-Mestre, Fernando Casares

#### Abstract

The aim of evolutionary developmental biology is to understand how phenotypic variation is originated by modifications of organismal development through changes in genomic regulation and how such regulation evolves among taxa. With the surge of next-generation sequencing technologies and associated techniques, 'Evo devo' is quickly expanding beyond classical model organisms to study how developmental alterations may lay at the core of phenotypic differentiation across species in many different biological systems. To this symposium we welcome contributions reporting on genomic regulation of within-species variation in phenotype, links between developmental variants and fitness, and comparative analyses of evolutionary phenotypic divergence and associated variation in developmental regulation. Studies on all taxa and biogeographical areas are welcome.