Special Issue

Molecular Mechanisms Underlying Organ Symmetry in Plants

Message from the Guest Editor

A paramount aspect of multicellular development is the establishment of ground (basic) symmetry types during organ formation, in concert with the polarity axes and tissue specification. The type of symmetry—bilateral, biradial, or radial—that an organ adopts during its development is strictly connected to its function. Ultimately, symmetry formation contributes to the fitness of organisms and their evolution by diversifying and adapting organ function to the environment.

In this Special Issue, we aim to highlight and disseminate the state-of-the-art and latest findings about the fundamental molecular mechanisms underpinning symmetry establishment and transitions during plant organ development, as well as events of symmetry breaking and asymmetry that can be observed at every biological level, from cells to tissues, all the way to the organismal level. We also welcome mathematical modelling and evo-devo approaches to reach a comprehensive and multidisciplinary understanding in the study of symmetry in plant development and evolution.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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