

## Special Issue

# Omics of Barley Development and Fertility

### Message from the Guest Editors

Technical and methodological advances have led to an explosion of large-scale omics datasets profiling biological molecules. In plants, these data have been used to examine normal and disturbed processes of development and the response to drought, temperature, and disease, among many others. In barley, several recent studies have provided insight into the transcriptomic and proteomic landscape of developing anthers in meiosis. These large-scale datasets provide an invaluable resource which can be interrogated for clues to the genetic and molecular mechanisms which underpin meiotic processes such as synapsis and recombination. This Special Issue—"Omics of Barley Anthers and Meiosis"—welcomes submissions which address the genomic, proteomic, transcriptomic, metabolomic, or epigenomic landscape in barley during the development of anthers and meiosis.

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### Guest Editors

Dr. Isabelle Colas

Dr. Dominika Lewandowska

Dr. Jamie Orr

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### Deadline for manuscript submissions

closed (10 November 2022)



## Plants

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*Plants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[plants@mdpi.com](mailto:plants@mdpi.com)

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### Message from the Editor-in-Chief

*Plants* is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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### Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB  
R3T 2N2, Canada

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