Special Issue

Non-coding RNA in Plants

Message from the Guest Editors

In the past three decades, a remarkable number of non-coding RNAs (ncRNAs), such as microRNA (miRNA), small interfering RNA (siRNA), and lncRNA, have been identified in plants. Many ncRNAs are largely involved in the transcriptional and post-transcriptional regulation of gene expression. ncRNAs have also been shown to play crucial roles in a variety of biological process, such as plant development, abiotic stress response, and plant–microbe interaction. With the progress of high-throughput sequencing technology and functional analysis, emerging evidence has revealed that the world of ncRNAs is continuously expanding. Although thousands of ncRNAs have been predicated or identified, their biological function still needs to be further dug out. Functional characterization of ncRNAs is a promising research endeavor to gain new insights into their biological roles. This issue focuses on novel function of ncRNAs in plants.

Guest Editors

Dr. Jun Yan

School of Life Sciences, East China Normal University, Shanghai 200241, China

Dr. Zhong-hui Zhang

Guangdong Provincial Key Laboratory of Biotechnology for Plant Development, School of Life Science, South China Normal University, Guangzhou 510631, China

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4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

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