

Special Issue on Small RNAs: Revolutionizing the Genomics Landscape

Call for Papers

One odd but fascinating type of RNA molecules is the noncoding RNAs. They include the tiny but powerful players comprising a class of small noncoding RNAs (small RNAs) which are characterized by 20–30 nucleotides (nt) long RNAs that have emerged as regulators of gene expression both at transcriptional and posttranscriptional stages in eukaryotic organisms. Biologically, these small molecules are involved in the control of physiological responses, developmental checkpoints, disease-associated genes, and virulence traits. In the past few years, next-generation sequencing has extensively widened the research in the elucidation of the role of the noncoding molecules but still the knowledge of the role played by the small RNAs in plants and animals is still limited at the whole-genome level. We invite researchers to contribute original research articles as well as review articles focused on the use, development, or the application of genomics tools for investigating the role of small RNAs at the whole-genome level. We will be interested in review manuscripts that describe biology of noncoding RNAs as well as bioinformatics and computational biology based approaches for analyzing small RNAs datasets. Potential topics include, but are not limited to:

- Small RNAs and microRNAs next-generation sequencing data analysis
- Identification and classification of miRNA genes and targets
- Small RNAs regulatory networks
- Software and tool development for small RNA data analysis
- Comparative evolution of small RNAs
- Small RNAs players in cancer and plant stress responses

Before submission authors should carefully read over the journal's Author Guidelines, which are located at <http://www.hindawi.com/journals/ijg/guidelines/>. Prospective authors should submit an electronic copy of their complete manuscript through the journal Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/ijg/rnas/> according to the following timetable:

Manuscript Due	Friday, 2 August 2013
First Round of Reviews	Friday, 25 October 2013
Publication Date	Friday, 20 December 2013

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