

Special Issue

RNA Regulatory Networks at the Crossroad of Human Diseases

Message from the Guest Editor

Exploration of the transcriptome space has turned the spotlight on the dark side of the RNA planet, non-coding RNAs (ncRNAs), previously overlooked by conventional protein-coding studies. It has become increasingly clear that ncRNAs constitute the largest class of RNA transcripts, resulting from pervasive transcription of the genome. We are now in an exciting era, which is unveiling the previously unappreciated regulatory power of all these RNA species and their functional interactions.

Untangling such RNA-based networks is now outlining their relevant role in a wide range of biological pathways. ceRNET research is still in its infancy, but could fulfill the promise to gain a deeper insight into molecular mechanisms underlying human diseases.

This special issue welcomes original research manuscripts, unraveling novel RNA regulatory networks and their impact on human diseases, possible rules for ncRNA structure-function relationships, or reporting innovative methodological approaches; critical review manuscripts with a perspective vision setting the stage for future research are also especially welcome.

Guest Editor

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