

Special Issue

Research Progress in RNA-Binding Proteins

Message from the Guest Editor

RNA-binding proteins (RBPs) are omnipresent in biology. Makers, breakers, modifiers, and sensors of RNAs, they unavoidably shift into the research focus in fields as different as molecular and cell biology, molecular genetics, infection and immunity, synthetic biology and molecular medicine. They are also fascinating molecular objects with a stunning diversity of structures, RNA recognition modes, and activities. Stand-alone players or members of exuberant ribonucleoproteins, RBPs secure key housekeeping functions while also featuring in a number of accessory and regulatory roles. The last decade has seen a flurry of studies unravelling the genuine scope of RBP-mediated processes and molecular mechanisms. This Special Issue focuses on emerging molecular aspects of RBP biology and the new methods to approach them. This includes, but is not limited to, the recent progress in the prediction, identification, structural characterisation, and measurement of RNA-protein interactions, the biochemical behaviour and activities of RBPs, novel and classical RBP classes, phase-separation and formation of biocondensates, RBP evolution and design.

Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 8.1
Indexed in PubMed



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Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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