



Research Progress in RNA-Binding Proteins

Guest Editor:

Dr. Alexandre Smirnov

1. UMR7156—Génétique Moléculaire, Génomique, Microbiologie (GMGM), University of Strasbourg, CNRS, 67000 Strasbourg, France
2. University of Strasbourg Institute for Advanced Study (USIAS), University of Strasbourg, 67000 Strasbourg, France

Deadline for manuscript submissions:

closed (28 February 2022)

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.





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Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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