

Special Issue

Functions of Transfer RNAs 2.0

Message from the Guest Editor

Transfer RNA (tRNA) has been in the focus of molecular biology since its central role in translating the genetic code was first predicted by Crick, over 60 years ago. Despite this long history, exciting new revelations continue to be discovered around tRNA, a consequence of its intricate integration with all aspects of cell biology. Current interest in tRNA is far from limited to its canonical role in translation, and extends now to metabolism, cell signaling, stress responses, and a range of medical conditions from infectious diseases to cancer. This Special Issue will cover the evolution of the molecule and the genetic code, tRNA synthesis and cellular distribution, roles in translation, signaling connections between tRNAs and regulatory pathways, roles in disease, and biotechnological advances. We hope to provide, once again, a useful compilation of the latest developments in tRNA biology.

Guest Editor

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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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