



Functions of Transfer RNAs 2.0

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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.





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Message from the Editor-in-Chief

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