# **Special Issue**

# The Regulation of mRNA Translation in Health and Disease

## Message from the Guest Editor

In this Special Issue, we will showcase recent advances in the structure, process, and regulations of mRNA translation in eukaryotic systems under homeostasis and various stresses. In addition to traditional regulatory mechanisms, such as the initiation, elongation, and termination/ribosome recycle; regulation based on AUG context, mRNA editing, the premature termination codon (PTC), the upstream open reading frame (uORF), mRNA decay, ncRNAs (especially miRNA), and other emerging mechanisms will also be addressed. Pathogenic factors and cellular processes associated with cancer development, progression, and recurrence, including cell signaling, metabolic statuses, EMT and metastasis, and immune responses in TME, will also be analyzed. Cancer therapies that target mRNA translation machinery will also be highlighted.

### **Guest Editor**

Dr. Jun Ling

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## **Deadline for manuscript submissions**

20 March 2026

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CiteScore 5.5
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### Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the Genes team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider Genes for your next genetics paper?

### Editor-in-Chief

### Prof. Dr. Selvarangan Ponnazhagan

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