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## Advances in the Development of mRNA Medicines and mRNA Vaccines

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Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editor

Dear Colleagues,

Synthetic mRNA is attracting much attention as a new drug modality, with significant interest in the next applications of mRNA medicines and vaccines. This Special Issue of *Pharmaceutics* will address new ideas for developing mRNA medicines and vaccines, including mRNA design (e.g., modified nucleotides, self-amplified mRNA), delivery systems (e.g., lipid nanoparticle (LNP), polyplex carrier, injection device), refinements to improve safety, and proof-of-concept studies using animal models. Original research papers or review articles on any of these aspects are welcomed in this Special Issue.

Prof. Dr. Keiji Itaka  
*Guest Editor*



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# Special Issue



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## Message from the Editor-in-Chief

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