

Topical Collection

Advancements in Molecular Biology and Pharmaceutical Science

Message from the Collection Editor

Molecular biology and pharmaceutical sciences play a key role in drug product development, starting from discovery and development to commercialization. Furthermore, molecular and cellular biology research has been rapidly expanding, generating new pharmaceutical and medicinal products that will have a significant impact on the diagnosis and treatment of various diseases. This Topical Collection, “Advancements in Molecular Biology and Pharmaceutical Science”, will focus on monoclonal antibodies, vaccines, gene therapy, mRNA therapeutics, cell therapy, and other molecular and pharmaceutical therapeutics. Suitable topics include, but are not limited to, the following:

- Molecular biology in medicine biotechnology;
- Advances in molecular biotherapeutics—monoclonal antibodies, vaccines, gene therapy, cell therapy, mRNA technology;
- Gene editing technologies, RNA-based therapies, and personalized medicine approaches;
- Generative molecular biology—computational biology and artificial intelligence (AI) methods.

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Message from the Editor-in-Chief

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