

## Topical Collection

# State-of-the-Art Molecular Microbiology in China

### Message from the Collection Editors

This Topical Collection aims to provide a comprehensive overview of recent advances in molecular microbiology in China by inviting contributions from Chinese research institutes/laboratories that consolidate our understanding of this area. Topics include, but are not limited to, the following:

- Antibiotic resistance mechanisms;
- Biosynthesis of macromolecules;
- Cell division and cell wall structure;
- Gene expression and its regulation;
- Gene transfer mechanisms;
- Host–pathogen interactions, including host responses;
- Induction of cell death by microorganisms;
- Membrane biogenesis and function;
- Pathogenicity mechanisms;
- Post-translational modifications;
- Protein delivery (secretion and trafficking);
- Signaling pathways and networks;
- Systems biology;
- Vaccines;
- Virulence factors;
- Antimicrobial peptides;
- Therapeutic strategies;
- Nutrients metabolism;
- Genomics and metagenomics;
- Interaction of microbes with host;
- Protein structure and function;
- Probiotics;
- Communication of microbes;
- Synthetic biology;
- Animal and human gut health.

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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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### Editor-in-Chief

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