

## Special Issue

# Precision Nutrition and Cancer: Molecular Insights into Cancer Prevention and Development

### Message from the Guest Editor

This Special Issue aims to explore the intersection of precision nutrition and cancer, with a focus on the molecular mechanisms that underpin dietary influences on cancer development, progression, and treatment outcomes. Precision nutrition acknowledges the individuality of each patient's genetic makeup, metabolic profile, and environmental factors, advocating for personalized dietary interventions that maximize efficacy while minimizing adverse effects. Recent advances in nutrigenomics have demonstrated that specific dietary patterns can alter gene expression, influence key metabolic pathways, and modulate the tumor microenvironment, ultimately impacting cancer prevention and treatment. We invite academic and industry researchers from all related fields to submit original research articles or reviews that highlight and discuss the latest advancements and breakthroughs in basic science, biomedical applications and clinical settings.

### Guest Editor

Dr. Da Pan

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### Deadline for manuscript submissions

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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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