

Special Issue

New Advances in Omega-3 Polyunsaturated Fatty Acids: From Molecular Signaling to Therapeutic Applications

Message from the Guest Editor

This Special Issue, entitled “New Advances in Omega-3 Polyunsaturated Fatty Acids: From Molecular Signaling to Therapeutic Applications”, aims to bridge the gap between molecular signaling and therapeutic application. We invite submissions that focus on deep cellular mechanisms beyond general anti-inflammatory effects. Simultaneously, we seek translational research bridging basic science with clinical practice. We encourage studies that examine N-3 PUFAs as adjuvants in stem cell research, cancer research, including chemotherapy or immunotherapy, their protective effects on the blood–brain barrier and neuroplasticity in neurological disorders, their impact on atherosclerotic plaque stability, and the remodeling of the gut microbiota via the gut–brain axis. By gathering high-quality original research and systematic reviews, this Special Issue aims to establish an interdisciplinary platform that connects molecular biologists and clinicians, ultimately advancing precise and personalized nutritional intervention strategies and preventive medicine.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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