



Immune-Inflammatory and Oxidative Stress Signaling Pathways Involved in Human Disorders

Guest Editors:

Dr. Alessio Ardizzone

Pharmacology, UniCamillus,
Saint Camillus International
University of Health Sciences, Via
di Sant'Alessandro, 8, 00131,
Rome, Italy

Prof. Dr. Emanuela Esposito

Department of Chemical,
Biological, Pharmaceutical and
Environmental Sciences,
University of Messina, 98122
Messina, Italy

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Message from the Guest Editors

Inflammation is a physiological process that occurs in response to the presence of a foreign organism, including human pathogens, dust particles, and viruses. If not adequately controlled, inflammation, in its acute or chronic states, can trigger a series of biological processes that, cooperatively with the impaired immune response and oxidative stress, affect the physiological cellular mechanisms, disadvantaging cellular homeostasis in various body areas. This Special Issue aims to cover the current state of the art of preclinical studies and clinical studies combined with molecular data, including original research articles, full reviews, systematic reviews and meta-analyses evaluating molecular pathways involved in immune-inflammation and oxidative stress that represent a common denominator of various human pathologies. The modulation of these molecular pathways using synthetic or natural compounds and the discovery of new pathogenic biomarkers represent important goals for scientific research in the management of various pathologies such as neurodegenerative diseases, neurotraumas, cardiovascular, oncology and immune-related pathologies (IBD, skin diseases or genetics).





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Editor-in-Chief

Prof. Dr. José L. Quiles

Department of Physiology,
Institute of Nutrition and Food
Technology “Jose Mataix”,
Biomedical Research Center,
University of Granada, Avda.
Conocimiento s/n, 18100 Armilla,
Granada, Spain

Message from the Editor-in-Chief

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MDPI, Grosspeteranlage 5
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