

Special Issue

Neutrophil Extracellular Traps (NETs) in Immunity and Diseases

Message from the Guest Editor

Neutrophils playing an invaluable role in host immune defence. These cells are directed by cytokines and other stimuli into infected tissues, where they eliminate invading microbes. Notably, successful defence by neutrophils is often associated with inflammatory tissue damage and several diseases including allergy, autoimmune diseases, atherosclerosis, thrombus formation and metabolic disorders. It has been linked to capability of activated neutrophils to release decondensed chromatin decorated with granular proteins known as neutrophil extracellular traps (NETs). NETs act as a scaffold for the aggregation of viable, necrotic and apoptotic cells as well as crystals and microbes. Importantly, under specific conditions NETs will act as inflammatory or anti-inflammatory process. This special issue is focused on update of current research on NETs in immunity and disease that can bring us closer to understand this phenomenon and enable development of new therapeutic strategies concerning various pathological conditions related to excessive NETs release. Both review and original article, covering basic, translational or clinical supported with molecular data research, are welcomed.

Guest Editor

Dr. Małgorzata Wachowska

Department of Laboratory Diagnostics and Clinical Immunology of Developmental Age, Medical University of Warsaw, Warsaw, Poland

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4052 Basel, Switzerland
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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