

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

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