

Open Ph.D. projects

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Title of the research topic: New approaches and agents for treatment of inflammatory and malignant diseases

Description of the research topic: Inflammation plays an important role in fighting pathogens and maintaining homeostasis of the organism. On the other hand, in the case of autoimmunity or hypersensitivity (allergy), inflammation is harmful. The inflammatory tissue environment also contributes the formation of malignant tumors. Based on its thorough experience in immunological research, our research group works on dissecting the pathogenesis of host/pathogen interactions, inflammatory diseases and malignant processes. Our main research tools are disease models based on mammalian tissue culture, as well as animal models. Our collaborations give us access to an array of natural compound and synthetic immunomodulating and anti-tumor compounds.