

Ph.D. projects in progress

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Doctoral school: University of Szeged, Faculty of Medicine, Doctoral School of Multidisciplinary Medical Sciences

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Title of the research topic: Studies on anti-tumor immune response and tumor-related immunosuppression in animal models and tissue culture

Description of the research topic: The immune system plays a role in both development and regression of malignant tumors. According to the well-established “immune surveillance” model, the immune system can remove malignantly transformed cell; this activity is exploited in the case of anti-tumor vaccination. On the other hand, tumors might be capable of reprogramming the immune system. In this case, growth factors or pro-angiogenic factors can contribute to the tumor growth. Beside their direct anti-tumor effect, chemotherapeutic agents might also possess an immunomodulating activity, complicating their mechanism of action.