



DEPARTMENT OF IMMUNOLOGY



ABOUT US

We are dedicated to research & development of cellular therapy for cancer and autoimmune diseases. Recently we have developed a dendritic cell-based cancer vaccine. Clinical evaluation and further development of the vaccine was transferred to biotech company. This vaccine and its modifications constitute a foundation for the contemporary development of a technology for ex vivo production of antigen-specific T-lymphocytes. The goal of our work is to produce antigen-specific T-lymphocytes that would allow their use for cancer therapy and therapy of autoimmune diseases. Our study is primarily focused on prostate cancer and type 1 diabetes.

KONTAKTY

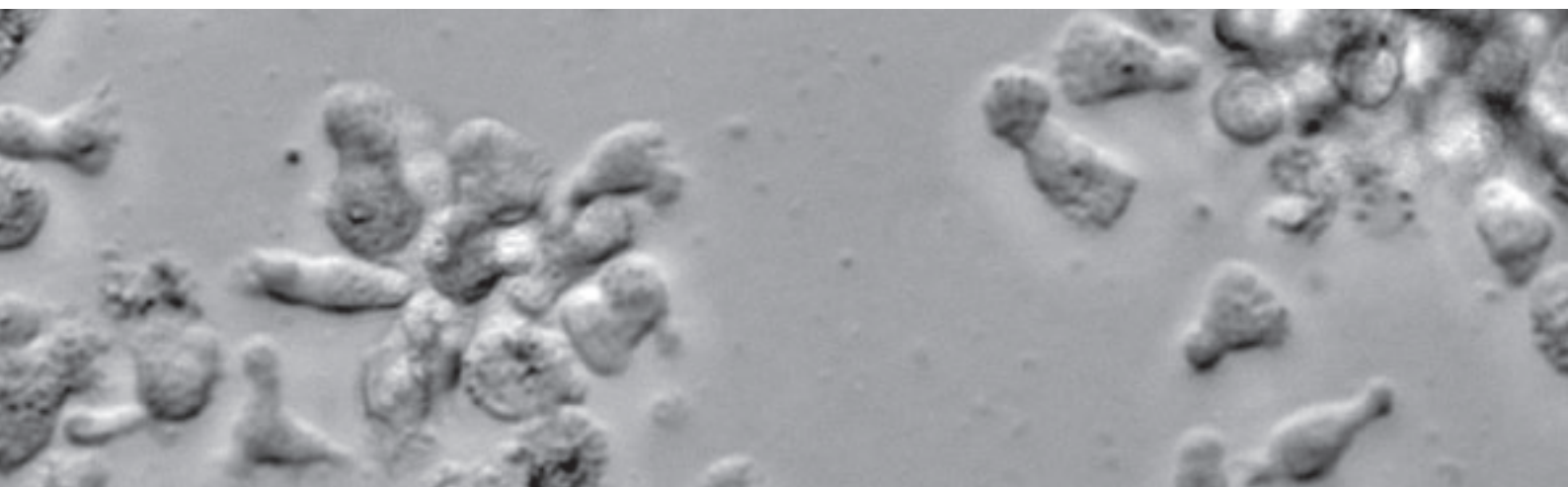
Department of Immunology
V Úvalu 84
150 06 Prague 5

WE OFFER

We offer imaging flow cytometer Image Stream X Mark II that combines flow cytometry with microscopy imaging. This combination takes advantage of the flow cytometry in speed, robustness and sensitivity, and advantage of microscopy in morphology analysis and spatial distribution of the acquired signal from the analyzed cells.

The instrument allows studies on, namely, cell signaling, internalization&phagocytosis, apoptosis, intracellular co-localization, morphology and cell-cell interactions; and all this with a statistical robustness. Due to the visualization it is possible to eliminate artifacts like non-cell objects or antibody aggregates.

Prof. MUDr. Jiřina Bartůňková, DrSc.
(head of department)
tel.: +420 224435960
fax: +420 224435962
e-mail: jirina.bartunkova@lfmotol.cuni.cz





CONTACT

Prof. MUDr. Anna Šedivá, DSc.
(head physician)
tel.: +420 224435960
fax: +420 224435962
email: anna.sediva@lfmotol.cuni.cz

RNDr. Daniel Smrž, Ph.D.
(principle investigator)
tel.: +420 22443 5968
Fax: +420 22443 5962
email: daniel.smrz@lfmotol.cuni.cz

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