



# CLIP CYTOMETRY LABORATORY



## ABOUT US

Our work concerns cell analysis, mainly using flow cytometry. We perform nationwide reference diagnostics of childhood hematological malignancies and immunodeficiencies. We monitor treatment response (assessment of minimal residual disease), functional immune response (to Cytomegalovirus infection), and also develop new methodologies including bioinformatics data analysis. We are one of the establishing members of the EuroFlow consortium and members of AIEOP-BFM Flow Network. We are the only Czech laboratory certified by SUKL to perform cytometric analysis; we are accredited by Czech Institute for Accreditation.

The laboratory is equipped by eight cytometers, five of which use three lasers.

For research, we also use spectral cytometry (Sony SP6800) and mass cytometry (CyTOF 2). We perform high speed cell sorting (FACS Aria III). Among our customers are important biotechnological and pharmaceutical companies.

## WE OFFER

- Vývoj a inovace cytometrických studií
- Development and innovation of cytometric assays
- Cell analysis by flow cytometry
- Monitoring of treatment response

## OUR TEAM

Doc. MUDr. Ondřej Hrušák, Ph.D.  
Doc. MUDr. Tomáš Kalina, Ph.D.  
MUDr. Ester Mejstříková, Ph.D.  
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## CONTACT

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## SELECTED PUBLICATIONS:

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