IMG

Institute of Molecular Genetics
of the Czech Academy of Sciences

We invite you to the seminar of

Tomáš Valenta, Ph.D.

Department of Molecular Life Sciences, University of Zurich

"Uncovering the principles of cell-fate determination in the intestine"

The intestinal epithelium is a complex tissue composed of various cells with distinct functions ranging from undifferentiated stem cells, partially differentiated precursors to terminally differentiated enterocytes or secretory cells. To fulfil its absorptive and protective functions the intestinal epithelium is rapidly renewed. This dynamic and organized cellular turnover represents an attractive paradigm for tissue maintenance studies and allows us to understand the principles of the cell fate determination. The seminar will discuss how intestinal homeostasis is regulated and maintained, what is the role of cell-cell communication in this process and how cellular fates change during development, epithelial regeneration, and intestinal cancer. Finally, new approaches to study sporadic metastatic colon cancer will be presented.

Dr. Valenta is a candidate for the position of a research group head at IMG.

The seminar will be held

on Tuesday 18th June 2024 at 10:00

in the Milan Hašek Auditorium at IMG

(Institute of Molecular Genetics of the Czech Academy of Sciences, Vídeňská 1083, Prague 4)