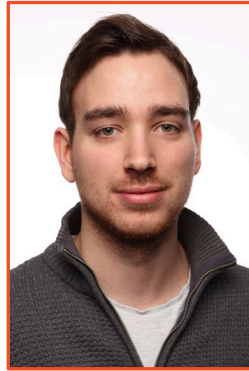

Regular Wednesday IMG seminar



Felix Zimmann, M.Sc.

Laboratory of RNA Biology

“More than meets the eye – the role of splicing factor mutations in retinitis pigmentosa pathogenesis”

Retinitis pigmentosa (RP) is the most common cause of inherited blindness worldwide; there is currently no cure for this disease. To shed some light on the mechanism we investigated RP-associated mutations in the splicing factors PRPF8 and SNRNP200 using iCLIP-Seq and stem cell-derived 3D retinal organoid models. iCLIP-Seq studies revealed altered RNA binding capabilities of splicing factors carrying RP-associated mutations. Transcriptome analysis of retinal organoids expressing RP variant of PRPF8 exhibited changes in splicing and gene expression in genes involved in retinal function.

The seminar will be held

on Wednesday 22nd March 2023 at 15:00

in the Milan Hašek Auditorium at IMG

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