

## Regular Wednesday IMG seminar



**David Machač, M.Sc.**

**Laboratory of Immunobiology**

### **“RORyt<sup>+</sup> Regulatory T Cells establish a memory footprint for the primary microbiota”**

A balanced immune system relies on regulatory T cells (Tregs) to prevent excessive immune responses. While thymus-derived Tregs are well known, a unique subset of microbiota-specific, peripherally induced RORyt<sup>+</sup> Tregs has emerged as a critical regulator of intestinal immunity and crosstalk with microbial communities. Our data suggests that RORyt<sup>+</sup> Tregs function as an immunological “memory,” safeguarding beneficial primordial microbiota, thus offering a novel paradigm for gut immune homeostasis.

**The seminar will be held**

**on Wednesday 21<sup>st</sup> May 2025 at 15:00**

**in the Milan Hašek Auditorium at IMG**

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

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