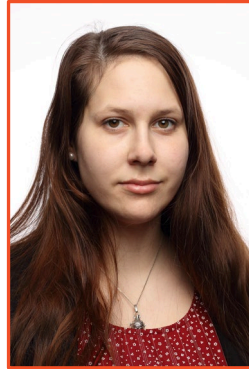


## Regular Wednesday IMG seminar



**Simona Mikula Mrštáková, M.Sc.**

**Laboratory of Transcriptional Regulation**

### **“Role of *pax6* genes in the eye during embryonal development of medaka”**

*Pax6* is remarkably conserved across a wide range of species, from flies to humans, signifying its fundamental role in the regulatory network governing eye formation. In this presentation, we will delve into the functions of three *pax6* genes – *Pax6.1*, *Pax6.2*, and *Pax6.3* – and their specific contributions to eye development during the embryonic stages of the Japanese medaka fish (*Oryzias latipes*). We will explore how these genes orchestrate the complex process of eye formation, underscoring their importance in developmental biology and evolutionary studies.

**The seminar will be held**

**on Wednesday 6<sup>th</sup> March 2024 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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