
Regular Wednesday IMG seminar



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**“Genetic architecture of *Prdm9*-driven reproductive isolation
between mouse subspecies”**

Hybrid incompatibility, the inviability or infertility of species hybrids, has played a central role in speciation research since Darwin's Origin of Species. However, the search for genes controlling hybrid sterility, mainly using *Drosophila* species hybrids, has been largely unsuccessful, revealing a polygenic control with complex epistatic interactions. Fifty years ago, we identified the first hybrid sterility locus, *Hst1*, in the house mouse genome, and 14 years ago, we positionally cloned *Prdm9* as the gene responsible for *Hst1*-controlled hybrid sterility.

In this talk, I will summarize our current understanding of the molecular genetic mechanisms that control this unique model of mammalian hybrid sterility.

The seminar will be held

on Wednesday 15th November 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)
