
Regular Wednesday IMG seminar



Joao Matos

Professor of Cell and Developmental Biology

**Department of Chromosome Biology, Max Perutz Labs
University of Vienna**

**“Building, maintaining and discarding large macromolecular
assemblies during gametogenesis”**

The life cycle of sexually reproducing eukaryotes depends on two specialized chromosome segregation programs: mitosis and meiosis. Whereas mitosis drives cellular proliferation and the stable propagation of the genome, meiosis promotes genetic diversity and the formation of rejuvenated gametes, which combine at fertilization to restore the diploid state. I will discuss how meiotic cells build, maintain and disassemble/segregate/discard macromolecular assemblies during meiosis: i) the synaptonemal complex; ii) novel filamentous structures that are important for cell viability after gametogenesis and for gamete rejuvenation.

The seminar will be held

on Wednesday 19th April 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)
