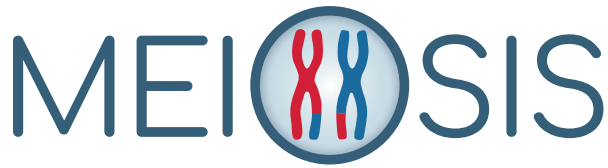


SFB Meiosis Symposium, 13<sup>th</sup>- 14<sup>th</sup> of February 2025, IMP Lecture Hall, Vienna



**Thursday 13<sup>th</sup> February 2025**

**8:45 – 9:20** *Registration*

**9:20 – 9:30** Verena Jantsch: *Welcome note*

**Session I- Chair: Lukas Schindler**

**9:30 – 10:00** Neil Hunter: "Cohesin and Chromosome Segregation in Oocytes: a Goldilocks scenario"

**10:00 – 10:30** Madhu Srinivasan: "Role of DNA catenations in sister chromatid cohesion"

**10:30 – 11:00** Enrique Martinez-Perez: "Control of meiotic chromosome function by cohesin and HORMA-domain proteins"

**11:00 – 11:30** *Coffee Break*

**11:30 – 12:00** Bungo Akiyoshi: "Hypothesis that (some aspects of) meiosis evolved prior to mitosis"

**12:00 – 12:30** SaraH Zanders: "Fitness costs of killer evolution"

**12:30 – 13:00** Marwan Elkrewi: "A candidate Z-linked gene for Asexual Reproduction in Artemia Brine Shrimp" (Beatriz Vicoso lab)

**13:00 – 14:00** *Lunch*

**Session II- Chair: Manuela Sophie Koller**

**14:00 – 14:30** Karel Riha: "Role of ribonucleoprotein condensates in orchestrating gene expression during meiosis"

**14:30 – 15:00** Gloria Brar: "A shift in proteasome composition ensures meiotic success"

**15:00 – 15:30** *Coffee break*

**15:30 – 16:00** Nancy Hollingsworth: "The conserved SEN1 RNA/DNA helicase has multiple functions in yeast meiosis"

**16:00 – 16:30** Martin Xaver: "Mapping meiotic Holliday junctions demonstrates their proficiency for extensive relocation in prophase 1" (Joao Matos lab)

**17:30** *Guided tour at Kunsthistorisches Museum Wien (only for group leaders)*

## Friday 14<sup>th</sup> February 2025

### Session III- Chair: Sowmya S Geetha

**09:30 – 10:00** Anton Goloborodko: “Molecular motors accelerate homology search during DNA repair in bacteria”

**10:00 – 10:30** Nicola Silva: “BRC-2/BRCA2 acts in an obligate complex with the newly identified RIPR-1 to promote stage-dependent loading of RAD-51 during *C. elegans* meiosis”

**10:30 – 11:00** Matthew Neale: “Top3 drives crossover migration to the meiotic chromosome axis”

**11:00 – 11:30** *Coffee break*

**11:30 – 12:00** Simone Koehler: “Isoform-dependent pairing of homologous chromosomes in *C. elegans*”

**12:00 – 12:30** Franz Klein: “Scs2/NIPBL stabilizes the central region of the synaptonemal complex by maintaining meiotic chromosome axes”

**12:30 – 13:00** Irene Tiemann-Boege: “Duplex sequencing to measure microsatellite instability (MSI) at yeast recombination hotspots

**13:00 – 14:00** *Lunch*

### Session IV- Chair: Isha Joshi

**14:00 – 14:20** Andrija Nikodijevic: “Long-Term volumetric imaging of living cells” (Zeiss)

**14:20 – 14:50** Monique Zetka: “Meiotic chromosome morphogenesis requires a nuclear chaperonin”

**14:50 – 15:20** Dimitra Paouneskou: “Chromosome alignment requires chromosome reorganization” (Verena Jantsch lab)

**15:20 – 15:50** *Coffee break*

**15:50 – 16:20** Wolfgang Zachariae: “How to do it twice: control of nuclear division in meiosis”

**16:20 – 16:30** Verena Jantsch: *Closing Note*

*Technical Assistance: Antoine Baudrimont, Anne Koehle*

