

# New Aspects of Developmental Biology

organized within the project CZ.02.1.01/0.0/0.0/15\_003/0000460  
"EXCELLENCE of molecular aspects of early vertebrate development"

24. 5. 2023



8:45 - 9:00

Michal Kubelka, Marcela Buchtová  
[Introduction](#)

**Session 1**

9:00 - 9:30

Hugh J. Clarke  
[Regulation of germ line-somatic communication during oogenesis](#)

9:30 - 10:00

Ahmed Gad  
[Extracellular Vesicles: Nanoparticles with multifunctional roles in reproductive biology](#)

10:00 - 10:30

Chin-Jen Lin  
[Epigenetic regulation during the oocyte-to-embryo transition and the impacts on female infertility](#)

10:30 - 11:00

Coffee break

**Session 2**

11:00 - 11:30

Jeremy Green  
[Morphometrics to map Down Syndrome genes and cells](#)

11:30 - 12:00

Ann Huysseune  
[The periderm, and its potential role in tooth evolution and development](#)

12:00 - 12:30

Rajan Iyyappan  
[The rhythm of translation in oocyte and early embryo](#)

12:30 - 13:00

Alex Bruce  
[The emerging role of p38-MAPKs in mouse blastocyst cell fate acquisition](#)

13:00 - 14:00

Lunch

**Session 3**

14:00 - 14:30

Jeremy Searle  
[Abnormalities and incompatibilities affecting fertility and development within and between species of mammal](#)

14:30 - 15:00

Ingo Schlupp  
[Origin and evolution of asexual hybrids: a path to sexuality](#)

15:00 - 15:30

Hayley Lanier  
[Assesing the geographic origins of genetic variation in vertebrates](#)

15:30 - 16:00

Martin Reichard  
[Reproduction strategy of fish](#)

16:00 - 16:30

Coffee break

**Session 4**

16:30 - 17:00

Matthias Stöck  
[The chromosome-scale genome of the European green toad reveals a sex-determination candidate region](#)

17:00 - 17:30

Vladimír Krylov  
[Regenerative and immunomodulating potential of sertoli cells](#)

17:30 - 18:00

Jamie Newbold  
[Early life programming of rumen function in later life](#)

18:00 - 18:30

Karel Smetana  
[Tumorous ecosystems](#)

18:30 - 22:00

Dinner

19:30 - 20:00

[ISAB meeting](#)

