

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

