



FACULTY OF SCIENCE
Charles University



Institute of Animal Physiology
and Genetics CAS

Oocyte day

January 22, 2019

10:00 AM – 4:00 PM

Viničná 7, Prague 2
Lecture Hall "Fotochemie"

Participation is free of charge, students are welcome

Please, register using [online form \(link\)](#)

Preliminary program:

In commemoration of the half-centennial anniversary of identification of starfish 1-methyladenine, the first oocyte maturation hormone in metazoans: Its signaling pathways that lead to meiotic G2/M-phase transition

Takeo Kishimoto, *Ochanomizu University, Tokyo, Japan*

Mammalian oocyte surgery

Josef Fulka, *Institute of Animal Science, Prague – Uhřetín, Czech Republic*

Chromosome-specific errors in meiosis shape the J curve of human aneuploid conceptions

Jennifer Rose Gruhn, *University of Copenhagen, DNRF Center for Chromosome Stability, Copenhagen, Denmark*

Roles of three Aurora kinases (A, B, C) in spindle formation and chromosome segregation during mammalian oocyte meiosis

David Drutovic, *Institute of Animal Physiology and Genetics ASCR, Pigmod Centre, Libečov, Czech Republic*

Human egg maturity assessment for optimal timing of in vitro fertilization

Zuzana Holubcová, *Masaryk University, Faculty of Medicine, Brno; Reprofit International s.r.o., Brno, Czech Republic*

Endocrine disrupting effect of bisphenol S (BPS): deleterious for oocyte quality in extremely low doses

Jan Nevoral, *Charles University, Faculty of Medicine in Pilsen, Biomedical Center, Pilsen, Czech Republic*

Evolution of genes and gene expression in oocytes

Petr Svoboda, *Institute of Molecular Genetics ASCR, Prague, Czech Republic*

Oocyte: translation in space and time

Andrej Susor, *Institute of Animal Physiology and Genetics ASCR, Libečov, Czech Republic*

Organized by

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