

Time	Contributors	Title	Affiliation
8:30	COFFEE		
8:45	Klaus Reinhardt	Welcome (with a bit of sperm diversity)	TU Dresden, Applied Zoology
	Applications	Chair: Klaus Reinhardt	
9:00	Oliver G. Schmidt	Cellular cyborg devices for on and off chip applications	Institute for Integrative Nanosciences, IFW Dresden
9:30	Mariana Medina-Sanchez	Cellular cargo delivery: towards assisted fertilization by sperm-carrying micromotors	Institute for Integrative Nanosciences, IFW Dresden
10:00	K. Glaß, M. Goeckenjan	Natural cycle <i>in vitro</i> fertilization	Medical Faculty, IVF Lab
10:30	BREAK		
	Meiosis	Chair: Veronika Magdanz	
11:00	Thomas Müller-Reichert	Meiosis in <i>C. elegans</i> - Chromosome segregation in a centrosomal and acentrosomal environment	CFCI, TU Dresden, Medical Faculty
11:30	Attila Toth	Molecular basis of meiotic chromosome behaviour and ploidy reduction	TU Dresden, Faculty of Medicine, Institute of Physiological Chemistry
12:00	Rolf Jessberger	Chromosome and RNA processes in mammalian meocytes and spermatids	TU Dresden, Faculty of Medicine, Institute of Physiological Chemistry
12:30	LUNCH & Poster viewing		
	Hormones & metabolism	Chair: Rolf Jessberger	
13:30	Michelle Thönnnes	Social hierarchy reflects hormonal status in a Nile tilapia – a versatile fish model to investigate hormonal control of spermatogenesis	TU Dresden, Zoology & Developmental Biology
14:00	Biz Turnell	Using time-resolved microfluometry to measure reactive oxygen species in <i>Drosophila</i> sperm	TU Dresden, Applied Zoology
14:30	Cornelia Wetzker	Metabolic mapping of sperm cells based on autofluorescent lifetime imaging microscopy (FLIM)	TU Dresden, Applied Zoology
15:00	Benjamin Friedrich	Sperm chemotaxis	Cfaed Dresden
15:10-16:00	Poster Session & flash talks	Applications, Meiosis, Hormones & metabolism	TU Dresden, Applied Zoology
16:00-17:00	FLIM Demo by Cornelia Wetzker		

Poster:

Authors	Title	Affiliation
Mario Günscht, Cornelia Wetzker, Klaus Reinhardt, Alexander Froschauer and Frank Pfennig	MultiPhoton-FLIM for non-invasive and live metabolic characterization of type A spermatogonia in medaka	TU Dresden, Zoology & Developmental Biology
Ruijian Guo(1), Ralph Dobler(1), Damian K. Dowling(2), Klaus Reinhardt(1)	Separating mitochondrial and nuclear effects on age-related variation in sperm viability and male fertility	(1) Applied zoology, Department of biology, TU Dresden, Germany (2) School of Biological Sciences, Monash University, Clayton, Australia
Günar Fabig	Chromosome segregation in male meiosis	CFCI, TU Dresden, Medical Faculty
Anna Schwarz		
Veronika Magdanz		