Posters

1.	Mohammad Abu Hamed	Longwave nonlinear theory for chemically active droplet division instability
2.	Tomer Avidor-Reiss	The centriole anchoring the sperm flagellum has an atypical structure in mammals
3.	Thomas Böddeker	Propulsion force measurements of motile flagella using micropipette force sensors
4.	Serhii Boryshpolets	Fertilization in fresh water fish: The role of the flagellum, and evidence of guidance and selection
5.	Gabriel Corkidi	Intracellular calcium stores are involved in the correlation between [Ca2 ⁺]i oscillations and three-dimensional flagellar beating in human sperm
6.	Debasish Das	On the motor torque of Escherichia coli
7.	Elke Gabriel	Eyecup containing brain organoids from human iPSCs
8.	Azam Gholami	Out-of-plane beating components of active axonemes isolated from <i>Chlamydomonas reinhardtii</i>
9.	An Gong	From 3D beating to 3D swimming: An excursion to the egg
10.	Jay Gopalakrishnan	Human brain organoids to model disorders due to primary cilia dysfunctions
11.	Jon Hall	A relationship between metachronal wavelength and fluid flow rate
12.	Jan N. Hansen	SpermQ - a simple analysis software to comprehensively study flagellar beating and sperm steering
13.	Myriam Jory	Cilia coordination and mucus flow on airway epithelia
14.	Vitaliy Kholodnyy	Do the rainbow trout ovarian fluid navigate the sperm on its way to the egg?
15.	Michelina Kierzek	Simultaneous recording of rapid cellular signaling events
16.	Veronika Magdanz	Getting to the egg – the link between motility, metabolism & tail length of sperm

Posters

17.	Pascal Martin	Self-organized wave-like beating of actin bundles
18.	David Mick	Investigating ciliopathies by primary cilia proteomics
19.	Anne Oltmanns	Altered N-glycosylation of FMG-1B impairs gliding motility in <i>Chlamydomonas reinhardtii</i>
20.	Nicola Pellicciotta	Synchronisation of mammalian cilia by hydrodynamic forces
21.	Sebastian Rode	Sperm motility in modulated microchannels
22.	Miriam Schmidts	Engine failure: Biological roles of (cytoplasmic) dyneins and their dysfunction in human disease
23.	Simon Schoeller	Linking individual and collective dynamics of sperm in suspension
24.	Reinhard Seifert	The solute carrier SLC9C1 is a Na ⁺ /H ⁺ -exchanger gated by an S4-type voltage-sensor and cyclic- nucleotide binding
25.	Anton Solovev	Hydrodynamic interactions of beating cilia
26.	Willi Stepp	Kinesin-2 stepping reflects its heteromeric nature
27.	Daniel Tam	On the validity of Stokes equations to model ciliary flows
28.	Peter Tennant	Study of axonemal dynein assembly using endogenous protein tagging and primary ciliary dyskinesia model mice
29.	Gerhard van der Horst	Tracking sperm in three and four dimensions from X and Y coordinates and future prospects
30.	Csaba Verasztó	Ciliomotor circuitry underlying whole-body coordination of ciliary activity in the <i>Platynereis</i> larva
31.	Yong Wang	Three-dimensional flow in the ventral third ventricle of the brain
32.	Christian Westendorf	Quantitative analysis of cilia mediated flow and cell polarity of the brain ventricular system
33.	Samuel Young	Deafness-infertility syndrome: A model to unravel the role of CatSper in human sperm (dys)function