

DZG 2020 Virtual Section Meeting: Developmental Biology (September, Thursday 10.09.2020)

Program:

Welcome

09:00 - 09:05 Natascha/Nico

Session1 - Evo-Devo (Chairs: Natascha/Nico)

09:05 - 09:20 **Matthias Janeschik** (München)

Expression of a dPax2 (shaven) homolog in the spider P. tepidariorum.

09:20 - 09:35 **Ting-Hsuan Lu** (Göttingen)

Eye size variation in Drosophila: From Transcriptomics to function

09:35 - 09:50 **Luxi Chen** (Bonn)

Differential expression patterns of proliferating cell nuclear antigen (PCNA) and heat shock protein 70 throughout diapause in D. magna.

Tea/Coffee Break + general discussion

09:50 - 10:00 Everyone

Session2 - Evo-Devo (Chairs: Natascha/Nico)

10:00 - 10:15 **Benjamin Naumann** (Jena)

The ghost of the tadpole – parallel evolution of direct development in frogs is shaped by ancestral developmental constraints.

10:15 - 10:30 **Melanie Hellinger** (Erlangen-Nürnberg)

Formation of Supernumerary Segments in a Short Germ Insect Through Restarting Its Segmentation Clocks.

10:30 - 10:45 **Gregor Bucher** (Göttingen)

Quantifying the blind area of insect genetic screens: What essential genes are we missing when screening only one species?

Tea/Coffee Break + general discussion

10:45 - 10:55 Everyone

Session 2 - Evo-Devo and Gene Regulation (Chairs: Natascha/Nico)

- 10:55 - 11:10 **Bharadwaj Sai Krishna Marella** (München)
Sense organ diversity on the Drosophila ovipositor: Using transcriptomics to uncover developmental differences
- 11:10 - 11:25 **Yaqun Xin** (München)
Evolution of a novel enhancer through shared chromatin accessibility inputs.
- 11:25 - 11:40 **Mariam Museridze** (München)
Revisiting Enhancer Boundaries Using a Pigmentation Locus in Drosophila.
- 11:40 - 11:55 **Gavin Rice** (Pittsburgh)
Evolving a novel trait through co-option of the shavenbaby gene regulatory network.

Open questions + General Discussion

From 11:55 Everyone

Here is the Zoom info for the session:

Nico Posnien is inviting you to a scheduled Zoom meeting.

Topic: DZG FG DevBio Session

Time: Sep 10, 2020 09:00 AM Amsterdam, Berlin, Rome, Stockholm, Vienna

Join Zoom Meeting

<https://uni-goettingen.zoom.us/j/98929932401?pwd=Q1I4TIU5TTNEWWc2QUQydGgvdGNOZz09>

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