



Imaging Development

Annual IsSDB Symposium

The David Lopatie Conference Centre, Weizmann Institute of Science

SESSION 1

- 08:30 **Registration, get together**
- 09:10 **Opening remarks**
- 09:15 **Talila Volk**, Weizmann Institute of Science
Sensitivity of chromatin 3D organization and epigenetic repression to nuclear mechanics
- 09:45 **Alina Kolpakova**, Weizmann Institute of Science
Robustness of the canonical mitochondrial fusion machinery promotes Nebenkern formation in Drosophila spermatids
- 10:00 **Yaniv Elkouby**, The Hebrew University of Jerusalem
Seeing is believing: lessons from oogenesis and ovarian development in zebrafish
- 10:30 ☕ **Coffee break**

SESSION 2

- 11:05 **Anna Sloutskin**, Bar-Ilan University
In vivo contribution of the DPE core promoter motif to transcriptional regulation in developing Drosophila melanogaster embryos
- 11:20 **Sigal Salvadi-Goldstein**, Technion - Israel Institute of Technology
The ins and outs of root meristem shaping
- 11:50 **David Sprinzak**, Tel Aviv University
Precise patterning in the inner ear
- 12:20 **Majed Layous**, University of Haifa
The role of ROCK and physical properties in skeletogenesis
- 12:35 🍴 **Lunch**

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The deans of the faculties of Life Sciences

SESSION 3

- 13:35 **Introduction to ISSDB award winner**
- 13:40 **Keynote I - 2022 IsSDB career award winner Eliezer Lifschitz**, Technion - Israel Institute of Technology
From flowering to fruit-flies and back (the lecture will be given in Hebrew)
- 14:25 **Assaf Zaritsky**, Ben Gurion University of the Negev
Bottom-up characterization of collective cell behavior
- 14:55 **Qiyu Chen**, Weizmann Institute of Science
Vertebrate neurohypophysis, from the origin to the function
- 15:10 ☕ **Coffee break with snacks and beer**

SESSION 4

- 15:45 **Introduction to ISSDB cool-paper student award by Chen Luxenburg**
- 15:50 **Shadi Tarazi**, Weizmann Institute of Science
Post-gastrulation synthetic embryos generated ex utero from mouse naive ESCs
- 15:55 **Avishag Mytlis & Vineet Kumar**, The Hebrew University of Jerusalem
Control of meiotic chromosomal bouquet and germ cell morphogenesis by the zygotene cilium
- 16:00 **Moutasem Omary**, The Hebrew University of Jerusalem
A conserved superlocus regulates above and belowground root initiation
- 16:05 **Priti Agarwal**, Tel Aviv University
Directed cell invasion and asymmetric adhesion drive tissue elongation and turning in C. elegans gonad morphogenesis
- 16:10 **Introduction of the Keynote speaker by Oren Schuldiner**
- 16:15 **Keynote II Thomas Misgeld**, Technical University Munich
The road less traveled: Imaging of motor synapse remodeling and homeostasis

