

Publication list – January 2023

2022

- Ozelci et al., Deconstructing body axis morphogenesis in zebrafish embryos using robot-assisted tissue micromanipulation. **Nature Communications** 2022
- Ishihara et al., Topological morphogenesis of neuroepithelial organoids. **Nature Physics** 2022
- de Medeiros et al., Multiscale light-sheet organoid imaging framework **Nature Communication** 2022
- Naganathan et al., Left-right symmetry of zebrafish embryos requires somite surface tension. **Nature** 2022
- So et al., Mechanism of spindle pole organization and instability in human oocytes. **Science** 2022
- Knoblochova et al., CHK1-CDC25A-CDK1 regulate cell cycle progression in early mouse embryos to protect genome integrity **bioRxiv** 2022

2021

- Yang et al., Cell fate coordinates mechano-osmotic forces in intestinal crypt formation. **Nature cell Biology** 2021
- He et al., Lineage recording in human cerebral organoids **Nature Methods** 2021
- Mailand et al., Tissue Engineering with Mechanically Induced Solid-Fluid Transitions. **Ad. Materials** 2021
- Blengini et al., Aurora kinase A is essential for meiosis in mouse oocytes. **Plos Genetics** 2021
- Rohde et al., Cell-autonomous generation of the wave pattern within the vertebrate segmentation clock **bioRxiv** 2021

2020

- Rossi et al., Embryonic organoids recapitulate early heart organogenesis. **Cell Stem Cell** 2020

2019

- Serra et al., Self-organization and symmetry breaking in intestinal organoids development. **Nature** 2019.
- Dumortier et al., Fracking and Ostwald ripening position the lumen of the mouse blastocyst. **Science** 2019 .
- Welling et al., Primed Track, high-fidelity lineage tracing in mouse pre-implantation embryos using primed conversion of photoconvertible proteins. **Elife** 2019.
- Arribat et al., Mitochondria in Embryogenesis: An Organogenesis Perspective. **Frontiers in Cell and Developmental Biology** 2019.