

# Lecture Stem Cell Biology



**SS 21, Mon 17.30 - 19.00; Room EG. 612 LIFE & BRAIN, weekly**

**Coordinator: Prof. Dr. Oliver Brüstle**

Institute for Reconstructive Neurobiology

Phone: 0228-6885-500

Email: [r.neuro@uni-bonn.de](mailto:r.neuro@uni-bonn.de)

<http://www.stemcells.uni-bonn.de>

## **This lecture is accepted for (number of lecture):**

1. Bachelor of Science Molecular Medicine (401042101)
2. Wahlfach I Medizin, Vorklinik (401042102)
3. Other bachelor programs e.g. Bachelor of Science Biology (401042101)

## **Exam modalities:**

For Bachelor students: Written exam on the 19.07.21, makeup exam 27.09.21

For medical students: oral presentation, date will be determined in consultation with the students

Assessment in accordance with the examination regulations

Preliminary discussion: 12.04.21, 17.15, room EG. 612 LIFE & BRAIN building

For further information please contact Dr. Tanja Schmandt, Email: [schmandt@uni-bonn.de](mailto:schmandt@uni-bonn.de)

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## **Preliminary program:**

- 12.04.21 Kick-off & Pluripotent Stem Cells and Reprogramming (Michael Peitz)
- 19.04.21 The Role of Transcription Factors in Stem Cell Specification (Sandra Blaess and Lea Flitsch)
- 26.04.21 Direct Cell Fate Conversion (Lea Flitsch)
- 03.05.21 Neural Stem Cells (Oliver Brüstle)
- 10.05.21 Genome Editing and Disease Modeling (Michael Peitz)
- 17.05.21 Self-Organisation und Organoids (Vira Iefremova)
- 24.05.21 Pfingstferien – vorlesungsfrei**
- 31.05.21 Using Stem Cell Paradigms to Unravel Early Lineage Decisions Enabling Synthetic Embryogenesis (Hubert Schorle)
- 07.06.21 Germ Cells (Lena Arévalo)
- 14.06.21 Stem Cells and Cardiovascular Repair (Wilhelm Röhl)
- 21.06.21 Stem Cells in Ophthalmology (Volker Buskamp)
- 28.06.21 Hematopoietic Stem Cells (Tobias Holderried)
- 05.07.21 to be announced (Andreas Till)
- 12.07.21 Chances and Risks of Stem Cell Research: Ethical Aspects (Michael Fuchs)
- 19.07.21 1. Exam (17:30 h, Seminarraum L&B)
- 27.09.21 2. Exam (10 h, Seminarraum L&B)