

Lecture Series Stem Cell Biology

SS 22, Mon 17.30 - 19.00; EG Room 612/76 LIFE & BRAIN, weekly

Coordinator: Prof. Dr. Oliver Brüstle

Institute for Reconstructive Neurobiology

Phone: 0228-6885-500

Email: 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)

Molecular Biomedicine Coordination Office

Phone: 0228-737626

Email: molbiomed@uni-bonn.de

2. Wahlfach I Medizin, Vorklinik (401042102)

Studiengang Humanmedizin, Vorklinik

Phone: 0228-287-15851

Email: studiendekanat@ukbonn.de

3. Other bachelor programs e.g. Bachelor of Science Biology (401042101)

Gast students are warmly welcomed!

Exam modalities:

For Bachelor Students: First written exam on 11.07.22, makeup exam 26.09.22.

For Medical Students: Graded oral presentation of a recent high-impact publication

Date group 1: 20.06.2022, 10-12:30 h

Date group 2: 27.06.2022, 10-12:30 h

Assessment in accordance with the examination regulations

Preliminary discussion: 04.04.22, 17.30

For further information please contact Dr. Tanja Schmandt, Email: schmandt@uni-bonn.de

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Final program:

- 04.04.22 Kick-off & Pluripotent Stem Cells and Reprogramming (Michael Peitz)
- 11.04.22 The Role of Transcription Factors in Stem Cell Specification (Sandra Blaess and Lea Flitsch)
- 18.04.22 **Ostern - vorlesungsfrei**
- 25.04.22 Neural Stem Cells (Oliver Brüstle)
- 02.05.22 Genome Editing and Disease Modeling (Michael Peitz)
- 09.05.22 Direct Cell Fate Conversion (Lea Flitsch) → **lectures takes place in rooms 019/80 and 028/80 NPP**
- 16.05.22 Self-Organisation und 3D Cultures (Christina Au Yeung)
- 23.05.22 Using Stem Cell Paradigms to Unravel Early Lineage Decisions (Hubert Schorle)
- 30.05.22 Germ Cells (Lena Arévalo)
- 06.06.22 **Pfingstferien – vorlesungsfrei**
- 13.06.22 Stem Cells and Neural Crest (Pascal Röderer)
- 20.06.22 Stem Cells in Ophthalmology (Volker Busskamp)
- 27.06.22 Stem Cells and Cardiovascular Repair (Wilhelm Röhl)
- 04.07.22 Chances and Risks of Stem Cell Research: Ethical Aspects (Michael Fuchs)

Written exam Bachelor students

11.07.22 1. Exam: 17:30 h

26.09.22 2. Exam: 10:00 h

Exam medical students

Graded oral presentation of a recent high-impact publication

Date group 1: 20.06.2022, 09-13:00 h

Date group 2: 27.06.2022, 09-13:00 h