

Lecture Series

MD/PhD program

Seminarraum Geb. 35 | Campus Homburg | 16 c.t. (if not indicated differently)



General information

Seminars take place in building 35 (Hörsaalgebäude), Seminarraum 1, 4 or 7

The seminars will take place in physical presence. All lectures will be announced individually via email; all lectures will be Wednesday, 4.15-5.45 p.m., unless indicated differently. The lectures are open to a broad audience; see also comments if seminar is restricted to a limited number of participants only.

The Aachen participants (SFB/TRR219 MD, PhD and interested students) will receive a TEAMS link upon request (email to barbara.niemeyer@uks.eu).

Please use the following link or the barcode to evaluate the course after each lecture:

<https://forms.office.com/e/MsFSZkb95L>

Lectures

Date	Topic	Speaker	Location
22.01.2025	RNA interference	Dr. Lise Lauterbach-Riviere	Building 35
05.02.2025	How to give a presentation I	Prof. Dr. Matthias Laschke	Building 35 I: Seminarraum 4
12.02.2025 (off schedule!)	How to give a presentation II	Prof. Dr. Matthias Laschke	II: Seminarraum 5 III: Seminarraum 5 Limited number of participants
19.02.2025	How to give a presentation III	Prof. Dr. Matthias Laschke	All parts I-III must be attended to claim credit points
05.03.2025	How to write a thesis	Prof. Dr. Matthias Laschke	Building 35 Seminarraum 1
19.03.2025	Gender specific biology in medicine	Prof. Dr. Frank Kirchhoff	Building 35 Seminarraum 1
02.04.2025	Introduction to flow cytometry	Dr. Tina Schmidt	Building 35 Seminarraum 1
16.04.2025	On/off switches for T cells - a crash course in molecular immune hacking	Dr. Oskar Staufer (INM)	Building 35 Seminarraum 4

Date	Topic	Speaker	Location
30.04.2025	Cell-culture: Safety, Equipment and Basic Techniques	PD Dr. Wolfgang Metzger	Building 35 Seminarraum 7
14.05.2025	Living Therapeutic Materials	Dr. Shrikrishnan Sankaran (INM)	Building 35 Seminarraum 4
28.05.2025	Animal handling in Research including 3R principles	Dr. Christina Körbel	Building 35 Seminarraum 1
11.06.2025	Reproductive techniques in animals	Dr. Petra Weißgerber	Building 35 Seminarraum 4
25.06.2025	Antibody reagents in biomedical research: possibilities and limitations	Prof. Dr. David Mick	Building 35 Seminarraum 7
9.7.2025	Biomacromolecular Structure Analysis by X-Ray Diffraction	Prof. Dr. Roy Lancaster	Building 35 Seminarraum 1
	Holidays		
20.08.2025	Nutritional Medicine	Jun.-Prof. Dr. Sandra Rother	Building 35 Seminarraum 1
03.09.2025	cancelled	cancelled	Building 35 Seminarraum 7
17.09.2025	Bioinformatics prediction of clinical impact of mutation in the human genome	Prof. Dr. Olga Kalinina	Building 35 Seminarraum 4
30.09.2025 01.10.2025 08.10.2025 09.10.2025	Matlab and data analysis I - IV	Prof. Dr. Marcel Lauterbach	Online via MS Teams, all 4 parts must be attended, registration until September 21, 2025
01.10.2025	Classical imaging techniques	PD Dr. Elmar Krause	Building 35 Seminarraum 1
16.10.2025	High resolution imaging techniques	Prof. Dr. Marcel Lauterbach	Building 35 Seminarraum 1

Date	Topic	Speaker	Location
29.10.2025	Functional Architecture of Mitochondria in Health and Disease	Dr. Karina von der Malsburg	Building 35 Seminarraum 1
05.11.2025	Statistics I	Prof. Dr. Stefan Wagenpfeil	Building 35 Seminarraum 1
11.11.2025 (off schedule!)	Statistics II	Prof. Dr. Stefan Wagenpfeil	Limited number of participants Both parts must be attended to claim credit points
12.11.2025	microRNA and their regulatory role	Dr. Martin Hart	Building 35 Seminarraum 1
26.11.2025	A light weight introduction to machine learning with applications in medicine	Dr. Rebekka Burkholz (CISPA)	Building 35 Seminarraum 4
10.12.2025	NGS, spatial and single cell sequencing	Dr. Nicole Ludwig	Building 35 Seminarraum 1
	Holidays		
07.01.2026	AI, Ethics, and Medicine: Current Challenges	Dr. Kevin Baum (DFKI)	Building 35 Seminarraum 1
21.01.2026	Biobanking	Priv.-Doz. Dr. Kristina Heyne	Building 35 Seminarraum 4
04.02.2026	Microbiome research in medicine	Prof. Dr. Christine Beemelmans	Building 35 Seminarraum 1
18.02.2026	Cell death mechanisms in health and disease	Prof. Dr. Barbara Niemeyer	Building 35 Seminarraum 1
04.03.2026	Introduction to immunological applications of gene editing	Priv. Doz. Dr. Dalia Alansary	Building 35 Seminarraum 1
18.03.2026	Fluorescent proteins - concepts and applications	Prof. Dr. Lars Kästner (to be confirmed)	Building 35 Seminarraum 7