

Online Lecture  
DSO Lecture Summer Semester 2026

SoSe 2026: "Methods and Techniques"		
	Topics	Lecturer
14.04.2026	Nuclear medicine and related drug development	Frederick Giesel (Nuclear medicine)
21.04.2026	Drug development	Matthias Kassack (Pharmaceutical Chemistry)
28.04.2026	Analysis of DNA methylation and histone modifications	Evan Prokakis (Translational Uro-Oncology)
05.05.2026	CRISPR/Cas9 genome editing	Götz Hensel (Centre for Plant Genome Engineering, Plant Bio-chemistry)
12.05.2026	Next-generation sequencing (WGS, RNA-Seq, etc.)	Jochen Hecht (GTL, BMFZ)
19.05.2026	Spatial Transcriptomics	Yi-Nan Li (Rheumatology)
26.05.2026	Multiplex Immunohistochemistry	Irene Esposito (Pathology)
02.06.2026	Mass spectrometry / proteomics in tumor research	Kai Stühler (MPL, BMFZ)
09.06.2026	High resolution fluorescence microscopy	Stefanie Weidtkamp-Peters (Center for Advanced Imaging)
16.06.2026	Flow cytometry-based cell sorting	Johannes Fischer (ITZ)
23.06.2026	Isolation of circulating tumor cells	Hans Neubauer (Gynecology)
30.06.2026	Viral vectors for various research applications	Constanze Wiek (Throat, Nose and Ear Medicine)
07.07.2026	Bioinformatics (for beginners)	Alexander Diltthey (Medical Microbiology)
14.07.2026	<i>In vivo</i> model: Chick Chorioallantoic Membrane (CAM)	Georg Flügen (General Surgery)
21.07.2026	<i>In vivo</i> models: Organoide / Tumoroide / Patient-derived xenografts	Margaretha Skowron (Translational Uro-Oncology)

**Time** every Tuesday, 13:30 h, MS-Teams-Meeting:  
[DSO-Lecture | Besprechung – Teilnehmen | Microsoft Teams](#)  
 Besprechungs-ID: 370 846 996 154 / Kennung: Ms9yP3PY  
 Chair: Prof. Daniel Nettersheim, PD Dr. M Skowron, Dr. E. Prokakis

**Lecture length** 40 min. + 5 min. discussion