Medizinische Biotechnologie - WS 2023-2024
Radiation in Imaging and Therapy

Lecture period: 16.10.2023 – 26.01.2024
Lecture (L): 09:30 – 11:00 am, Seminar (S): 11:15 – 12:15 am
Practical course electron microscopy (P): 8:30 - 12:00 am and 01:00 – 04:30 pm
Lecture electron microscopy December 15th 2023 (Dr. Frank): 8:15 – 9:00 am

Friday, 20.10.23		**Introduction**	Dr. Lütgens	seminar room IfDIR
	L	**Physical Basics of radiation physics and radiation protection**	Herr Lütgens	seminar room IfDIR
Friday, 27.10.23	L	**Medical Ultrasound**	OA Dr. Heller	seminar room IfDIR
	S	Seminar Medical Ultrasound		
Friday, 03.11.23	L	**conventional radiography and fluoroscopy**	Herr Lütgens	seminar room IfDIR
	S	Seminar X-ray Technology	Herr Lappe	
Friday, 10.11.23	L	**Quality assurance in X-ray diagnostics**	Dr. Lappe	seminar room IfDIR
Friday, 17.11.23	L	**Computed tomography**	Dr. Lappe	seminar room IfDIR
	S	Seminar CT		
Friday, 24.11.23	L	**Magnetic Resonance Imaging**	Dr. Polei	seminar room IfDIR
	S	Seminar MRI		
Friday, 01.12.23	L	**Physics Aspects in Radiotherapy, Part I**	Dr. Fehr	seminar room STR
	S	Seminar		
Friday, 08.12.23	L	**Physics Aspects in Radiotherapy, Part II**	Dr. Fehr	seminar room STR
	S	Seminar		
Friday, 15.12.23	L	**Introduction to Electron Microscopy**	Dr. Frank	seminar room STR
	L	**Medical Aspects in Radiotherapy**	Prof. Hildebrandt Dr. Frerker	
	S	**Seminar**		
Friday, 22.12.23	L	**Nuclear Medicine:** Nuts and Bolts (Medical and Physical Basics)	Dr. Kurth	seminar room NUK
	S	Hybrid Imaging: PET/CT and SPECT/CT		
Friday, 05.01.24	L	**Nuclear Medicine:** Therapy and Theranostics	Dr. Kurth	seminar room NUK
	S	Nuclear Medicine: Preclinical Applications		
Friday, 12.01.24	L	**Transmission electron microscopy:** Sample preparation, analytics, applications	Dr. Frank	seminar room IfDIR
Montag 15.01.24 Tuesday, 16.01.24 Thursday, 18.01.24	P	**Practical course TEM** Gr. 1 Monday morning, Gr. 2 Monday afternoon **Practical Course SEM** Gr. 1 Tuesday afternoon, Gr. 2 Thursday afternoon (Institute of Pathology, EMZ)	Dr. Frank	IPATHO, EMZ ground floor
Friday, 19.01.24	L	**Scanning electron microscopy (SEM):** Sample preparation, analytics, applications	Dr. Frank	seminar room IfDIR

Friday, 26.01.24		**Examination date**: 9:30 am		Lecture hall Pathologie

Rooms

Seminar room IfDIR
Institut für Diagnostische und Interventionelle Radiologie, Schillingallee 36, UNZ (New building between CUK and ZIM), basement, Demoraum 1 – room 0.077

Seminar room STR
Klinik und Poliklinik für Strahlentherapie, Südring 75

Seminar room NUK
Klinik und Poliklinik für Nuklearmedizin, Gertrudenplatz 1

IPATHO / Elektronenmikroskopisches Zentrum (EMZ)
Institut für Pathologie, Strempelstraße 14, ground floor