

**Schedule Radiopharmacology and Clinical Radiopharmacy
Modul III 02.09.2024 – 13.09.2024, Leipzig**

Monday, 02. September 2024

09:00 – 10:00 h	Exam of Module II <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
10:10 – 10:30 h	Registration <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
10:30 – 11:15 h	Introduction (Prof. Dr. M. Schulz-Siegmund/R. Furegati) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
12:15 – 13:45 h	Pharmacokinetics and Kinetic-Modelling I (Dr. R. Buchert) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
14:15 – 15:45 h	Pharmacokinetics and Kinetic-Modelling II (Dr. R. Buchert) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
16:15 - 17:45 h	Practical session Kinetic-Modelling (Dr. R. Buchert) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
19:00 h	Welcome dinner

Tuesday, 03. September 2024

08:30 – 10:00 h	Immunology (Prof. Dr. U. Sack) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
10:30 – 12:00 h	Basics of Pharmacology and targeted therapies (Prof. Dr. A. Aigner) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
13:00 – 14:30 h	Toxicology and test systems (Prof. Dr. A. Aigner) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
15:00 – 16:30 h	Therapeutic nucleic acids (Prof. Dr. A. Aigner) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
17:00 – 18:30 h	Drug interventions/Interactions/Adverse reactions (Dr. Robert Wodtke)

Wednesday, 04. September 2024

09:00 – 10:30 h	Radiotracers in Biochemistry and Molecular Pharmacology (Prof. Dr. A. Beck-Sickinger) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
11:00 – 12:30 h	Selective Modification of Peptides and Proteins to Target GPCRs (Prof. Dr. A. Beck-Sickinger) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
13:30 – 15:00 h and 15:30 – 17:00 h	Demonstration of experimental set up: Peptide and Protein Modification, Radioactive assays in biochemistry (Prof. Dr. A. Beck-Sickinger)

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Thursday, 05. September 2024

07:15– 19:00 h	Visit ABX Radeberg and Dresden Rossendorf (HZDR) <i>Departure ca. 7 AM from Leipzig, Location to be determined</i>
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Friday, 06. September 2024

08:30 -10:00 h	Regulatory Aspects of Radiopharmaceuticals (Prof. Dr. Marianne Patt)
10:30 -12:00 h	Statistics I (Dr. M. Hacker) Talstr. 33, Kleiner Hörsaal (Small lecture hall)
13:00 -14:30 h	Statistics II (Dr. M. Hacker) Talstr. 33, Kleiner Hörsaal (Small lecture hall)
15:00 – 17:00 h	Practical session (Dr. M. Hacker) <i>Location to be determined</i>

Monday, 09. September 2024

08:30 – 10:00 h	Nuclear medicine: Basics + Therapy I (Dr. T. Lincke) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
10:30 – 12:00 h	Nuclear medicine: Clinical diagnostic applications in Neurology, part I (Prof. Dr. H. Barthel) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
13:15 – 14:45 h	Biological effects of radiation (Prof. Dr. P. Brust) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
15:15 – 16:45 h	The Biology behind Molecular Brain Imaging (Prof. Dr. P. Brust) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>

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Tuesday, 10. September 2024

the practical session takes place in Permoserstr. 15, Leipzig, HZDR

08:30 – 10:00 h	Nuclear medicine: Therapy II (Dr. T. Lincke) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>	
10:30 – 12:00 h	Nuclear medicine: Clinical diagnostic applications in Oncology (Prof. Kluge) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>	
13:30 – ca. 17:30 h	<p>Practical session, Group A: <i>Institute of Radiopharmaceutical Cancer Research, Permoser Str. 15</i> Please select one of the three options</p> <ol style="list-style-type: none"> 1. Autoradiography (Dr. W. Deuther-Conrad) 2. Metabolite analytics with LC-MS (Dr. F.-A. Ludwig) 3. Manual ¹⁸F-Radiosynthesis (Dr. B. Wenzel) 	<p>Practical session, Group B: <i>Institute of Radiopharmaceutical Cancer Research, Permoser Str. 15</i> 13:30-15:00 h 4. Small animal imaging (Dr. D. Gündel HZDR-FSL) <i>Stephanstr. 9a Haus 5.2 Nuclear Medicine (Start in Room N038)</i> 16:00 -17:30 h 5. PET and PET/CT camera (Prof. Dr. B. Sattler) 6. therapy unit (Dr. T. Lincke)</p>

Wednesday, 11. September 2024

the practical session takes place in Permoserstr. 15, Leipzig, HZDR

08:30 – 10:00 h	Nuclear medicine: Clinical diagnostic applications in Neurology, part II (Prof. Dr. S. Hesse) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>	
10:30 – 12:00 h	Radiotracertransport and Blood Brain Barrier (Prof. Dr. P. Brust) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>	
13:30 – ca. 17:00 h	<p>Practical session, Group B: <i>Institute of Radiopharmaceutical Cancer Research, Permoser Str. 15</i> Please select one of the three options</p> <ol style="list-style-type: none"> 1. Autoradiography (Dr. W. Deuther-Conrad) 2. Metabolite analytics with LC-MS (Dr. F.-A. Ludwig) 3. Manual ¹⁸F-Radiosynthesis (Dr. B. Wenzel) 	<p>Practical session, Group A: visit <i>Institute of Radiopharmaceutical Cancer Research, Permoser Str. 15</i> 4. 13:30-15:00 h Small animal imaging (Dr. D. Gündel HZDR-FSL) <i>Stephanstr. 9a Haus 5.2 Nuclear Medicine (Start in Room N038)</i> 16:00 -17:30 h 5. PET and PET/CT camera (Prof. Dr. B. Sattler) 6. therapy unit (Dr. T. Lincke)</p>

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Thursday, 12. September 2024

Morning	Report preparation
13:00 – 14:30 h	Reports of Participants/oral examination I (Prof. Peter Brust, Prof. Dr. R. Schibli) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
15:00 – 16:30 h	Reports of Participants/oral examination II (Prof. Peter Brust, Prof. Dr. R. Schibli) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
18:00 h	Farewell Party

Friday, 13. September 2024

08:30 – 10:00 h	Nuclear medicine: short lectures and visit to SPECT facility and PET/MRI <ul style="list-style-type: none"> - SPECT-technology (Prof. Dr. Sattler) - PET/MRI-technology and data analysis (Dr. M. Rullmann) - Visit/demo SPECT- and PET/MRI-facility (Prof. Dr. B. Sattler / Dr. M. Rullmann) <i>Liebigstr. 18, Haus 3, Diagnostic Nuclear Medicine (Start in Room H-1034)</i>
10:30 – 12:00 h	Radiological Imaging Modalities - Technology and Applications (PD Dr. H. Busse) <i>Talstr. 33, Kleiner Hörsaal (Small lecture hall)</i>
13:00 – 14:30 h	Practical session (PD Dr. H. Busse)