



Charité –  
 Universitätsmedizin Berlin  
 Campus Virchow-Klinikum (CVK)  
 Augustenburger Platz 1  
 13353 Berlin

on campus:  
 Klinik für Nuklearmedizin  
 Altes Röntgenhaus  
 Südstraße 3



## SCIENTIFIC CHAIRS

Prof. Dr. Winfried Brenner, Berlin  
 Prof. Dr. Martin Gotthardt, Nijmegen  
 Prof. Dr. Felix M. Mottaghy, Aachen

## CONGRESS ORGANIZATION

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## HOMEPAGE

You can find further information about the Summer School 2023 online on our [website](#)

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Charité – Universitätsmedizin Berlin

## Industry Exhibition



# Translational Research in Molecular Imaging and Radionuclide Therapy

August 24 – 26, 2023  
 Charité Berlin, Germany

**nuklearMedizin**  
**i**nteraktion



The DGN Medical Education Committee under the auspices of the German Society of Nuclear Medicine (DGN) offers an annual "DGN-Summer School" for promoting young academics in the field of nuclear medicine.

The target audience of the DGN-Summer School are excellent medical students, medical doctoral students, and young academics during their first years of professional education in (nuclear) medicine, medical physics, and (radio) chemistry who are interested in nuclear medicine and molecular imaging. The goal is to get these persons engaged in nuclear medicine, to integrate them into research activities, and to encourage a long-term career in nuclear medicine and connected fields.

The DGN-Summer School will be organised as an international training course in English which will be promoted in Germany as well as internationally. A maximum of 30 participants will actively work on specific themes in lectures, round-table discussions, case studies, and hands-on presentations in order to learn about the different aspects of the respective topic in detail on a profound scientific level. Social events in the evening complement the scientific program encouraging further exchange and stimulating discussions between the participants and their tutors.

Prof. Dr. Winfried Brenner  
 Prof. Dr. Martin Gotthardt  
 Prof. Dr. Felix M. Mottaghy

## Thursday, August 24, 2023

- 9.00 a.m. Introduction  
(W. Brenner, Berlin; M. Gotthardt, Nijmegen; F. Mottaghy, Aachen)
- 9.15 a.m. Introduction participants I  
(all together)
- 11.00 a.m. *Coffee Break*
- 11.30 a.m. Overview: Molecular Imaging  
(F. Mottaghy, Aachen)
- 12.15 a.m. Overview: Theranostics and Radionuclide Therapy  
(N. N.)
- 1.00 p.m. *Lunch*
- 2.00 p.m. Prerequisites, Ethics and Standards  
in Animal Imaging Research  
(N. Beindorff, Berlin)
- 3.00 p.m. Hands-on:  
 Preclinical Imaging I (hands-on animal handling,  
 anesthesia, tracer injection)  
 (N. Beindorff, Berlin)  
 Radiochemistry (Ga-generator, therapeutics)  
 (N. N.)  
 Clinical Imaging I (SPECT/CT, PET/CT)  
 (K. Huang)
- 4.00 p.m. *Coffee break*
- 4.30 p.m. Hands-on:  
 Preclinical Imaging I (hands-on animal handling,  
 anesthesia, tracer injection)  
 (N. Beindorff, Berlin)  
 Radiochemistry (Ga-generator, therapeutics)  
 (N. N.)  
 Clinical Imaging I (SPECT/CT, PET/CT)  
 (K. Huang)
- 7.30 p.m. Dinner – Restaurant

## Friday, August 25, 2023

- 9.30 a.m. Translational Theranostic Approaches  
(A. Buck, Würzburg)
- 10.15 a.m. Dosimetry and Treatment Planning  
(G. Glatting, Ulm)
- 11.00 a.m. *Coffee Break*
- 11.30 a.m. Image guided precision therapy –  
the future of medicine?  
(M. Gotthardt, Nijmegen)
- 11.30 a.m. Responsible quality Research  
(QUEST BIH)
- 1.00 p.m. *Lunch*

- 2.00 p.m. Study Planning and Biostatistics in  
Preclinical Research  
(F. Konietschke, Berlin)
- 2.45 p.m. Study Planning and Biostatistics in  
Preclinical Research  
(J. Hardt, Hannover)
- 3.30 p.m. *Coffee break*
- 4.00 p.m. Hands-on:  
 Preclinical Imaging II (SPECT, PET; CT, MRI)  
 (N. Beindorff, Berlin)  
 Dosimetry (N. N.)  
 Clinical Imaging II (PET/MR)  
 (N. N.)
- 5.00 p.m. Hands-on:  
 Preclinical Imaging II (SPECT, PET; CT, MRI)  
 (N. Beindorff, Berlin; A. Mohan, Berlin)  
 Dosimetry  
 (N. N.)  
 Clinical Imaging II (PET/MR)  
 (N. N.)
- 6.00 p.m. *Dinner – Buffett Charité*

## Saturday, August 26, 2023

- 9.00 a.m. Research Funding and Academic Career – Germany  
(S. Ziegler, Muenchen)
- 9.45 a.m. Ethics and Radiation Protection – Germany  
(W. Burchert, Bad Oeynhausen)
- 10.30 a.m. *Coffee break*
- 11.00 a.m. Development of Radiopharmaceuticals  
and Probes  
(O. Prante, Erlangen)
- 11.45 p.m. Kinetic Modelling and Quantitative Imaging  
(R. Burchert, Hamburg)
- 12.30 p.m. *Lunch*
- 1.30 p.m. Hands-on:  
 Therapy (Radionuclide Ward)  
 (J. Rogasch, Berlin)  
 Data processing in brain studies  
 (C. Lange)
- 3.30 p.m. *Coffee break*
- 4.00 p.m. Open Questions – Discussion with Faculty Members  
(all together)
- 4.30 p.m. Farewell – End of Summer School  
(W. Brenner, Berlin; M. Gotthardt, Nijmegen; F. Mottaghy, Aachen)