DGN Summer School 2024

Translational Research in Molecular Imaging and Radionuclide Therapy

Place: Charité – Universitätsmedizin Berlin, Campus Virchow-Klinikum (CVK),
Augustenburger Platz 1, 13353 Berlin, Germany
on campus: Klinik für Nuklearmedizin, Altes Röntgenhaus, Südstraße 3

Date: August 28 - 31, 2024

Wednesday, August 28:		
18.00	*Dinner: Restaurant Arema*	
18.00-18.15	*Welcome*	Brenner, Gotthardt, Kaur, Mottaghy, Voltin
18.15-22.00	Introduction of all Participants (1 page each) & Speed Dating (3 min each) & Dinner	All together
Thursday, August 29: *Theranostics*		
9.00-9.30	Introduction - 4 Pitches (5 min each): • Tracer Development • Preclinical Evaluation • Clinical Translation • Patient Perspective	W. Brenner NN NN NN NN
9.30-10:30	Breakout Session - 3 groups: How to bring a new tracer to patients?	Moderation: 3x
10.30-11.00	*Coffee Break*	
11.00-11.30	Breakout Session: Preparation of Results	
11.30-12.30	Presentation and Discussion of Results	Moderation: 3x
12.30-13.00	Summary and Outlook on Theranostics	Kaur & Voltin
13.00-14.00	*Lunch – including up to 3 5-min pitches by industry*	
14.00-15.30	Hands-on: Preclinical Imaging (animal handling, anesthesia, tracer injection, imaging) Radiochemistry (Ga-generator, diagnostics, therapeutics, cyclotron) Clinical Imaging (SPECT/CT, PET/CT, PET/MRT)	 N. Beindorff S. Spreckelmeyer J. Rogasch
15.30-16.00	*Coffee break*	
16.00-17.30	Hands-on:	

	Preclinical Imaging (animal handling, anesthesia, tracer injection, imaging)	N. Beindorff
	Radiochemistry (Ga-generator, diagnostics, therapeutics, cyclotron)	S. Spreckelmeyer
	Clinical Imaging (SPECT/CT, PET/CT, PET/MRT)	J. Rogasch
19.30	*Restaurant Trofeo – including industry members*	
Friday, August 30: *Artificial Intelligence*		
9.30-10.00	Introduction - 4 Pitches (5 min each): • Segmentation, Radiomics • Dosimetry • Motion and partial volume corrections • Wendler? DD Modeling	NN NN NN NN
10.00-11.00	Breakout Session – 4 groups: When, where and how to use AI?	Moderation: 4x
11.00-11.30	*Coffee Break*	
11.30-12.00	Breakout Session: Preparation of Results	Moderation: 4x
12.00-12.30	Presentation and Discussion of Results	
12.30-13.30	*Lunch – including up to 3 5-min pitches by industry*	
13.30-14.30	Summary: What is known, and how much is necessary to understand AI applications	NN
14.30-16.00	Hands-on: Preclinical Imaging (animal handling, anesthesia, tracer injection, imaging) Radiochemistry (Ga-generator, diagnostics, therapeutics, cyclotron) Clinical Imaging (SPECT/CT, PET/CT, PET/MRT)	 N. Beindorff S. Spreckelmeyer J. Rogasch
16.00-16.30	*Coffee break*	
16.30-18.00	Hands-on: Dosimetry, SIRT Radionuclide Therapy Ward	 S. Blümel W. Brenner
18.00-20.00	*Dinner Buffett – including industry members*	
Saturday, August 31: *Leadership and Teamwork*		
9.00-9.30	SPARK-BIH – Starting up	Franz Theuring
9.30-10.15	Research Funding and Academic Career	Brenner/Gotthardt/Mottaghy

10.15-10.30	*Coffee break*	
10.30-10.45	Introduction - 1 Pitch • Leadership and Career	Gotthardt
10.45-11.45	Breakout Session – 3 groups: Why do people leave their jobs?	Gotthardt, NN
11.45-12.30	Presentation and Discussion of Results	
12.30-13.00	Evidence: What is known?	M. Gotthardt
13.00-13.30	Feedback Summer School & *Lunch Boxes*	All together
13.30	Farewell - End of Summer School	Brenner, Gotthardt, Kaur, Mottaghy, Voltin