



Department of Nuclear Medicine

## **14<sup>th</sup> Hybrid PET: Brain and Body Hands-on Course Zurich**

January 13 – January 17 2025

NUK, Rämistrasse 100, University Hospital Zurich

# Description, Registration and Fee

## Course Contents Description

- Max. 40 participants
- 28 lectures on hybrid PET imaging and its clinical applications
- One workstation (AW server per 3 participants) for individual case interpretation
- Individualized case reading in groups of 10–20 participants under supervision
- Hands-on MR, PET/CT and PET/MR session including FDG injector handling
- Demonstration of quantitative image analysis
- Individual choice of focus on PET/CT case discussion or PET/MR case discussion
- 5 lunches and morning coffee breaks included

## Topics of the Hybrid PET Imaging Course

1. Brain tumors and metastases
2. Neurodegenerative diseases
3. Head & Neck Cancer including Thyroid Cancer
4. Lung and Breast Cancer
5. Abdominal tumors (including neuroendocrine tumors, Ga-DOTATATE)
6. Male and female GU imaging (including Choline and PSMA)
7. Lymphoma and melanoma
8. Indications and options for cardiac PET

Note: Individual choice of case discussion with focus on PET/CT – or case discussion with focus on PET/MR during hands- on workshop sessions

## Registration and further information

HybridFellowship@usz.ch

## Course Fee

CHF 1350.–, incl. course, lunches and morning coffee breaks

An application for CME accreditation has been made to the European Accreditation Council for Continuing Medical Education (EACCME).

An application for CME accreditation will be made to the Swiss Society of Nuclear Medicine (SGNM/SSNM).

# Program

## Monday, January 13

08.30 - 09.00	Registration & Welcome Coffee	
09.00 - 09.15	Course Goals	Gustav von Schulthess
09.15 - 09.45	Hybrid PET - Facts and Fiction	Gustav von Schulthess
09.45 - 10.30	Clinical Rationales for Beta-Amyloid Imaging in Dementia	Anton Gietl
10.30 - 11.15	Body Protocols: Tracers and Contrast Media	Michael Messerli
11.15 - 11.45	Coffee Break	
11.45 - 12.30	Hepato-Pancreatico-Biliary Cancer	Caecilia Reiner
12.30 - 13.15	Colorectal and Anal Cancer	Urs Muehlematter
13.15 - 14.15	Lunch Break	Caecilia Mader
14.15 - 15.00	Attenuation Correction and Artifacts in Hybrid Imaging	Gustav von Schulthess
15.00 - 15.45	Distinguishing Normal from Abnormal in FDG	Gustav von Schulthess
15.45 - 16.45	Video Presentation: PET Facilities Wagi site	Technician Team
16.45 - 17.15	PET/CT Facility Tour University Hospital Zurich	Technician Team
17.15	Adjourn	

## Tuesday, January 14

08.45 - 09.30	Neuro Protocols: Tracers and Contrast Media	Martin Huellner
09.30 - 10.15	Dementia and Neurodegeneration	Martin Huellner
10.15 - 10.45	Coffee Break	
10.45 - 11.30	Indications and Options for Cardiac PET	Ronny Buechel
11.30 - 12.15	Monitoring: General Insights	Gustav von Schulthess
12.15 - 13.00	Tips and Tricks in PET/CT	Michael Messerli
13.00 - 14.00	Lunch Break	Michael Messerli
14.00 - 14.45	Basics of PET Acquisition and Reconstruction	Fotis Kotasidis
14.45 - 15.30	PET Tracers in Dementia: Beta-Amyloid and FDG	Valentina Garibotto
15.30 - 17.00	Supervised self-study of cases and discussion	Valentina Garibotto
17.00	Adjourn	

### Wednesday, January 15

08.45 - 09.30	Thyroid Cancer and Parathyroid Diseases	Michael Messerli
09.30 - 10.15	Brain Tumors and Epilepsy	Martin Huellner
10.15 - 10.45	Coffee Break	
10.45 - 11.30	Lung Cancer	Lars Husmann
11.30 - 12.15	Oncological Emergencies	Alexander Maurer
12.15 - 13.15	Lunch Break	Alexander Maurer
13.15 - 14.00	Introduction to the workstation	Staff
14.00 - 16.00	Supervised self-study of cases	Staff
16.00 - 17.00	Case discussion	Staff
17.00	Adjourn	

### Thursday, January 16

08.45 - 09.30	Head and Neck Cancer	Martin Huellner
09.30 - 10.15	Breast Cancer Imaging - PET/MRI and New Targets	Bert-Ram Sah
10.15 - 11.00	Cancers of the Female Genital Tract	Caecilia Mader
11.00 - 11.30	Coffee Break	
11.30 - 12.15	Cancer of the Male Genital Tract	Alexander Maurer
12.15 - 13.00	Inflammation and Infection	Lars Husmann
13.00 - 14.00	Lunch Break	Lars Husmann
14.00 - 16.00	Supervised self-study of cases	Staff
16.00 - 17.00	Case discussion	Staff
17.00	Adjourn	

### Friday, January 17

08.45 - 09.30	Melanoma and Lymphoma	Niklaus Schaefer
09.30 - 10.15	Neuro-Endocrine Tumors and Theragnostics	Niklaus Schaefer
10.15 - 11.00	Breast Cancer	David Kenkel
11.00 - 11.30	Coffee Break	
11.30 - 12.15	Kinetic Modelling of PET data	Valerie Treyer
12.15 - 13.00	Gastro-Esophageal Cancer incl. GIST Tumors	Jan Schaab
13.00 - 14.00	Lunch Break	Jan Schaab
14.00 - 16.00	Supervised self-study of cases	Staff
16.00 - 17.00	Case discussion	Staff
17.00	Adjourn / Wrap Up / Farewell	

## Speakers

**Niklaus Schaefer, MD**  
Professor/Chief Physician  
Nuclear Medicine and  
Medical Oncology Department  
University Hospital Lausanne

**Valentina Garibotto, MD**  
Professor and Head of Department  
Nuclear Medicine Department  
University Hospital Geneva

**Anton Gietl, MD**  
Senior Staff  
Diseases of the Aging Brain  
Psychiatric Hospital  
University of Zurich

**David Kenkel, MD**  
Deputy Chief Physician  
Radiology Department  
Hospital Buelach

**Caecilia Reiner, MD**  
Professor and Senior Staff  
Radiology Department  
Hirslanden Hospital

**Fotis Kotasidis, PhD**  
Research Associate  
Nuclear Medicine Department  
University Hospital Zurich

**Valerie Treyer, PhD**  
Senior Scientist and PD  
Nuclear Medicine Department  
University Hospital Zurich

**Bert-Ram Sah, MD**  
Research Associate and PD  
Nuclear Medicine Department  
University Hospital Zurich

**Urs Muehlematter, MD**  
Junior Staff  
Nuclear Medicine Department  
University Hospital Zurich

**Gustav von Schulthess,  
MD, PhD, MD hon**  
Professor and Chairman Emeritus  
Nuclear Medicine Department  
University Hospital Zurich

**Martin Huellner, MD**  
Professor and Senior Staff  
Nuclear Medicine Department  
University Hospital Zurich

**Ronny Buechel, MD**  
Professor and Senior Staff  
Nuclear Medicine Department  
University Hospital Zurich

**Lars Husmann, MD**  
Professor and Junior Staff  
Nuclear Medicine Department  
University Hospital Zurich

**Michael Messerli, MD**  
Senior Staff and PD  
Nuclear Medicine Department  
University Hospital Zurich

**Alexander Maurer, MD**  
Senior Staff  
Nuclear Medicine Department  
University Hospital Zurich

**Caecilia Mader, MD**  
Senior Staff  
Nuclear Medicine Department  
University Hospital Zurich

**Jan Schaab, MD**  
Junior Staff  
Nuclear Medicine Department  
University Hospital Zurich

# Sponsors

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## Information

### Course director

Martin Huellner, MD  
Professor and Senior Staff  
Nuclear Medicine Department  
University Hospital Zurich

### Venue

University Hospital Zurich  
Department of Nuclear Medicine  
Rämistrasse 100  
8091 Zurich  
Switzerland

### Directions

Tram lines 6, 9, 10 to tram stop  
ETH/Universitätsspital

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