



ESMO-EANM Advanced Course on Diagnostic and Therapeutic Applications of Nuclear Medicine in Oncology

PROGRAMME

**ESMO
ADVANCED COURSE**

**ESSEN GERMANY
6-7 MAY 2025**

CO-CHAIRS

Wolfgang Fendler, Germany

Alessandra Gennari, Italy

esmo.org



ESMO-EANM ADVANCED COURSE PROGRAMME DIAGNOSTIC AND THERAPEUTIC APPLICATIONS OF NUCLEAR MEDICINE IN ONCOLOGY

Essen, Germany

6-7 May 2025

CO-CHAIRS

Wolfgang Fendler, Germany
Alessandra Gennari, Italy

SPEAKERS

Eva Compérat, Austria
Laura Graven, Netherlands
Viktor Grünwald, Germany
David Kersting, Germany
Jolanta A. Krajewska, Poland
Michael Nader, Germany
Marianne E. Pavel, Germany
Ursula Vogl, Switzerland

LEARNING OBJECTIVES

- To get an updated analysis of the diagnostic and therapeutic applications of nuclear medicine in oncology
- To provide a knowledge of principles of both nuclear medicine modalities and systemic oncologic therapies in advanced trainees and specialists in oncology and nuclear medicine
- To provide an educational framework for in-depth analysis of the combined diagnostic/therapeutic strategies (theranostics) in oncology and scientific interaction between oncology and nuclear medicine experts
- To foster interdisciplinary exchange and collaboration in both nuclear medicine imaging and nuclear medicine treatment applications

ACCREDITATION

The programme of this event has been accredited with **9 ESMO-MORA category 1 points**.

Recertification is necessary for medical oncologists to remain professionally certified by ESMO. Recertification guarantees that a certified medical oncologist has continued to update his/her knowledge and continues to possess the necessary skills and standards for the practice of medical oncology. For further details please refer to esmo.org.

ACKNOWLEDGEMENTS

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ORGANISATION AND CONTACTS

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Tuesday, 6 May 2025

09:00-09:10 **Welcome and introduction**

- 10' Welcome and learning objectives introduction
Wolfgang Fendler, DE and Alessandra Gennari, IT

09:10-10:50 **Session 1 - Introduction to theranostics and systemic therapies** Chairs: Alessandra Gennari, IT and Jolanta A. Krajewska, PL

- 20' Definitions and therapeutic concepts of therapeutic radionuclides
David Kersting, DE
- 20' Regulatory challenges in the development of theranostics
Michael Nader, DE
- 20' Radioiodine therapy and systemic therapy for thyroid cancer
Jolanta A. Krajewska, PL
- 20' Molecular imaging for prognostication and prediction of response
Alessandra Gennari, IT
- 20' Discussion

10:50-11:20 Coffee break

11:20-12:20 **Workshop session** Workshop session where clinical cases are presented by speakers with interactive questions and discussion with the audience 60' Workshop

Workshop 1 Thyroid malignancies David Kersting, DE and Jolanta A. Krajewska, PL

12:20-13:20 Lunch

13:20-14:40 **Session 2 - NETs as role model for theranostics** Chairs: David Kersting, DE and Marianne E. Pavel, DE

- 20' Overview NET: Epidemiology, disease specific characteristics and challenges
Laura Graven, NL
- 20' PRRT in NET: What is the standard?
Wolfgang Fendler, DE
- 20' Systemic therapies for NETs (other than PRRT)
Marianne E. Pavel, DE
- 20' Discussion

14:40-15:10 Coffee break

15:10-16:55	Session 3 - Expanding theranostics to prostate cancer Chairs: Laura Graven, NL and Ursula Vogl, CH
20'	Biology in advanced prostate cancer with a special focus on PSMA across the disease spectrum (primary tumour, upregulation with AR targeted therapies, heterogeneity, etc) Eva Compérat, AT
25'	Treatment landscape in advanced prostate cancer Ursula Vogl, CH
25'	How to make best use of PSMA RLT in advanced prostate cancer (Status May 2025) David Kersting, DE
15'	Future of PSMA RLT outside of prostate cancer Viktor Grünwald, DE
20'	Discussion and Conclusion of Day 1
19:00	<i>Networking dinner</i>

Wednesday, 7 May 2025

09:00-12:30	Workshop sessions Workshop sessions where clinical cases are presented by speakers with interactive questions and discussion with the audience 60' Workshop
Workshop 2 60'	How to build and run a theranostic unit Laura Graven, NL and David Kersting, DE
Workshop 3 60'	NET theranostics Wolfgang Fendler, DE and Laura Graven, NL
11:00-11:30	<i>Coffee break</i>
Workshop 4 60'	Prostate cancer RLT: Selection and monitoring of patients on treatment Alessandra Gennari, IT and Ursula Vogl, CH
12:30-13:00	Conclusion & farewell Wolfgang Fendler, DE and Alessandra Gennari, IT
13:00-14:00	<i>Lunch</i>