

# ESMO-EANM ADVANCED COURSE PROGRAMME

## DIAGNOSTIC AND THERAPEUTIC APPLICATIONS OF NUCLEAR MEDICINE IN ONCOLOGY

Essen, Germany  
19-20 May 2023

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<b>CO-CHAIRS</b>	Ken Herrmann, Germany Aurelius G. Omlin, Switzerland	<b>SPEAKERS</b>	Tessa Brabander, Netherlands Wolfgang Fendler, Germany Diego Ferone, Italy Luca Giovanella, Switzerland Viktor Grünwald, Germany Jolanta A. Krajewska, Poland Michael Lassmann, Germany Katharina Lückerath, Germany Michael Nader, Germany Niels Rupp, Switzerland
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### LEARNING OBJECTIVES

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- 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

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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](https://www.esmo.org).

### Friday, 19 May 2023

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09:00-09:10	<b>Welcome and introduction</b>
10'	Welcome and Learning Objectives Introduction Ken Herrmann, DE and Aurelius G. Omlin, CH
09:10-10:35	<b>Session 1 - Introduction to Theranostics and Systemic Therapies</b> Chairs: Jolanta A. Krajewska, PL and Michael Lassmann, DE
20'	Physics background including diagnostic and therapeutic radionuclides including videos Michael Lassmann, DE
25'	Landscape of systemic therapies for thyroid malignancies Jolanta A. Krajewska, PL

20'	History of theranostics including radioiodine-therapy Luca Giovanella, CH
20'	Discussion
<b>10:35-11:05</b>	<b><i>Coffee break</i></b>
<b>11:05-12:15</b>	<b>Session 2 - NETs as role model for theranostics</b> <b>Chairs: Wolfgang Fendler, DE and Diego Ferone, IT</b>
25'	Landscape of systemic therapies for NETs Diego Ferone, IT
25'	Update PRRT and beyond NETs Wolfgang Fendler, DE
20'	Discussion
<b>12:15-13:15</b>	<b><i>Lunch</i></b>
<b>13:15-14:25</b>	<b>Session 3 - How to run a theranostic unit and beyond</b> <b>Chairs: Tessa Brabander, NL and Katharina Lückerath, DE</b>
15'	Regulatory challenges of developing radiopharmaceuticals Michael Nader, DE
15'	Setting up a theranostic unit (regulatory, radiation safety and reimbursement challenges) including videos Tessa Brabander, NL
20'	Outlook towards new theranostic concepts (combination treatments, alpha-emitters, antibodies) Katharina Lückerath, DE
20'	Discussion
<b>14:25-14:55</b>	<b><i>Coffee break</i></b>
<b>14:55-16:40</b>	<b>Session 4 - Expanding theranostics to prostate cancer</b> <b>Chairs: Viktor Grünwald, DE and Aurelius G. Omlin, CH</b>
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) Niels Rupp, CH
25'	Treatment landscape in advanced prostate cancer Aurelius G. Omlin, CH
25'	How to make best use of PSMA RLT in advanced prostate cancer – Status May 2023 Ken Herrmann, DE
15'	Future of PSMA RLT outside of prostate cancer Viktor Grünwald, DE
20'	Discussion
<b>19:00</b>	<b><i>Networking Dinner</i></b>

## Saturday, 20 May 2023

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- 9:00-12:30      **Workshop sessions**  
Three workshop sessions where clinical cases are presented by speakers with interactive questions and discussion with the audience  
60' Workshop time
- Workshop 1**      Thyroid malignancies  
Luca Giovanella, CH and Jolanta Krajewska, PL
- Workshop 2**      NET theranostics  
Wolfgang Fendler, DE and Diego Ferone, IT
- 11:00-11:30      *Coffee break*
- Workshop 3**      Prostate cancer RLT: Selection and monitoring of patients on treatment  
Aurelius G. Omlin, CH and Ken Herrmann, DE
- 12:30-13:00      **Conclusion & Farewell**  
Ken Herrmann, DE and Aurelius G. Omlin, CH
- 13:00-14:00      **Lunch**