

# ESMO Advanced Course on Biomarkers for Precision Medicine

## Programme

**ZURICH**  
SWITZERLAND

**28-29 NOVEMBER 2019**

**Co-Chairs**

Fabrice André, France

Nicola Normanno, Italy

# ESMO ADVANCED COURSE PROGRAMME ON BIOMARKERS FOR PRECISION MEDICINE

Zürich, Switzerland  
28-29 November 2019

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**CO-CHAIRS:** Fabrice André, France  
Nicola Normanno, Italy

**SPEAKERS:** Reinhard Büttner, Germany  
Rodrigo Dienstmann, Spain  
Paul Hofman, France  
Caterina Marchiò, Italy  
Étienne Rouleau, France  
Albrecht Stenzinger, Germany

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## LEARNING OBJECTIVES

- An increasing number of therapeutics that require biomarkers testing are available for clinical use or are in advanced phase of clinical development
- Different technologies can be used for biomarker testing depending on the nature of the biomarker and the availability of biological samples
- The increasing use of large panels for comprehensive genomic profiling raises issues on data interpretation that requires a multidisciplinary approach
- Monitoring the molecular evolution of the disease might allow the identification of resistance mechanisms and the development of more effective therapeutic strategies
- The identification of germline variants requires the activation of genetic counselling programme for patients and their families

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## 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 future details, please refer to [esmo.org](http://esmo.org).

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## ACKNOWLEDGEMENTS

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## ORGANISATION AND CONTACTS

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## Thursday, 28 November 2019

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09:00-09:20	<b>Welcome and introduction</b>
20'	Welcome and Learning Objectives Introduction, Fabrice André, FR and Nicola Normanno, IT
09:20-10:20	<b>Session 1 – NGS comes to the clinic</b>
25'	NGS for tissue biopsies, Reinhard Büttner, DE
5'	Discussion
25'	Technologies for the analysis of circulating DNA, Nicola Normanno, IT
5'	Discussion
10:20-10:50	<i>Coffee break</i>
10:50-12:20	<b>Session 2 – New technologies for precision medicine</b>
25'	Multiplexed molecular pathology, Paul Hofman, FR
5'	Discussion
25'	Gene fusions, Caterina Marchiò, IT
5'	Discussion
25'	Single-cell analysis: which impact in cancer research, Fabrice André, FR
5'	Discussion
12:20-13:20	<i>Lunch</i>
13:20-15:20	<b>Session 3 – Clinical implementation of NGS</b>
25'	Organisation and role of the Molecular Tumour Board, Rodrigo Dienstmann, ES
5'	Discussion
25'	ESMO Scale for Clinical Actionability of molecular Targets (ESCAT), Fabrice André, FR
5'	Discussion
25'	Incidental findings of NGS testing, Étienne Rouleau, FR
5'	Discussion
25'	The role of liquid biopsy in monitoring the response to treatment, Nicola Normanno, IT
5'	Discussion
15:20-15:50	<i>Coffee break</i>
15:50-17:20	<b>Session 4 – Biomarkers for Immune checkpoint inhibitors</b>
25'	Molecular pathology, Paul Hofman, FR
5'	Discussion
25'	Genomic-based assays, Albrecht Stenzinger, DE
5'	Discussion
25'	Emerging biomarkers, Rodrigo Dienstmann, ES
5'	Discussion
19:00	<i>Networking dinner</i>

## Friday, 29 November 2019

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09:00-12:30

### **Workshop sessions**

Three parallel workshop sessions with 20 delegates in each group (delegates will attend all 3 sessions on a rotation basis)

15' Introduction based on clinical cases presented by speakers

40' Discussion

5' Break

#### **Workshop 1**

Which patients might benefit from comprehensive genomic profiling?

Rodrigo Dienstmann, ES and Albrecht Stenzinger, DE

#### **Workshop 2**

How to integrate liquid biopsy in the management of cancer patients?

Nicola Normanno, IT and Caterina Marchiò, IT

#### **Workshop 3**

How to develop a trial on precision medicine?

Fabrice André, FR

11:00-11:30

*Coffee break*

11:30-12:30

### **Workshops continuation**

12:30-13:00

### **Feedback on the workshops from each group**

13:00-13:15

### **Synthesis and wrap-up**

13:15-14:15

*Lunch*