

ESMO VIRTUAL ADVANCED COURSE PROGRAMME

ON BIOMARKERS FOR PRECISION MEDICINE

12-13 November 2020

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

SPEAKERS: Reinhard Buettner, Germany
Rodrigo Dienstmann, Spain
Federica Di Nicolantonio, Italy
Paul Hofman, France
Caterina Marchiò, Italy
Étienne Rouleau, France
Albrecht Stenzinger, Germany
Lucy Yates, United Kingdom

LEARNING OBJECTIVES

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

ACCREDITATION

The programme of this event has been accredited with **6 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.

ACKNOWLEDGEMENTS

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All timings are to be considered CET (Central European Time)

Thursday, 12 November 2020

- 15:00-15:05** **Welcome and introduction**
- 5' Welcome and Learning Objectives Introduction, Fabrice André, FR and Nicola Normanno, IT
- 15:05-15:55** **Session 1 – NGS comes to the clinic**
- 20' NGS for tissue biopsies, Reinhard Buettner, DE
20' Technologies for the analysis of circulating DNA, Nicola Normanno, IT
10' Discussion
- 15:55-17:10** **Session 2 – New technologies for precision medicine**
- 20' Gene fusions, Caterina Marchiò, IT
20' HRD testing, Lucy Yates, UK
20' Single cell analyses: which impact in cancer research, Fabrice André, FR
15' Discussion
- 17:10-17:25** **Virtual Break**
- 17:25-18:35** **Session 3 – Clinical implementation of NGS**
- 20' Organization and role of the Molecular Tumour Board, Rodrigo Dienstmann, ES
20' Incidental findings of NGS testing, Étienne Rouleau, FR
20' The role of liquid biopsy in monitoring the response to treatment, Federica Di Nicolantonio, IT
10' Discussion

Friday, 13 November 2020

- 15:00-16:15** **Session 4 – Biomarkers for Immune checkpoint inhibitors**
- 20' Molecular pathology, Paul Hofman, FR
20' Genomic based assays, Albrecht Stenzinger, DE
20' Emerging biomarkers, Rodrigo Dienstmann, ES
15' Discussion
- 16:15-17:00**
Workshop 1 Which patients might benefit comprehensive genomic profiling?
Rodrigo Dienstmann, ES and Fabrice André, FR
15' Introduction based on clinical cases presented by speakers
30' Discussion
- 17:00-17:15** **Virtual Break**

17:15-18:00

Workshop 2 How to integrate liquid biopsy in the management of cancer patients?
Nicola Normanno, IT and Federica Di Nicolantonio, IT
15' Introduction based on clinical cases presented by speakers
30' Discussion

18:00-18:10 **Synthesis and wrap-up**

ORGANISATION AND CONTACTS

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