ESMO Virtual Advanced Course on KRAS targeting in NSCLC

Programme

ESMO VIRTUAL ADVANCED COURSE

13-14 OCTOBER 2021

Co-Chairs
Natasha Leighl, Canada
Marina Garassino, United States
ESMO VIRTUAL ADVANCED COURSE PROGRAMME
KRAS targeting in NSCLC
13-14 October 2021

CO-CHAIRS: Marina C. Garassino, United States
Natasha Leighl, Canada

SPEAKERS: Christine Bestvina, United States
Massimo BrogGINI, Italy
Grace Dy, United States
Pasi Janne, United States
Keith Kerr, United Kingdom
Colin Lindsay, United Kingdom
Laura Mezquita, Spain
Giulia Pasello, Italy
Adrian Sacher, Canada
Ferdinandos Skoulidis, United States
Egbert Smit, Netherlands

LEARNING OBJECTIVES

• Understanding the function and biology of KRAS in normal and malignant cells
• Gaining insights in the spectrum of KRAS molecular aberrations, platforms and strategies for molecular testing
• In depth discussion of emerging therapeutic strategies and clinical research in KRAS mutated NSCLC
• Presenting novel data on biomarkers of benefit, mechanisms of resistance and combinatorial therapeutic strategies of KRAS G12C inhibition and beyond

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 her/his knowledge and continues to possess the necessary skills and standards for the practice of medical oncology. For further information please refer to www.esmo.org.

ACKNOWLEDGEMENTS

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AMGEN

ORGANISATION AND CONTACTS

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**Wednesday, 13 October 2021**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 15:00-15:10 | Welcome and introduction  
10’  
Natasha Leight, CA |
| 15:10-16:45 | Session 1 – KRAS Biology, Epidemiology, Pathology  
20’  
The structure, function and role of KRAS in normal cell homeostasis  
Massimo Broggini, IT  
20’  
Epidemiology of KRAS activating mutations: Incidence and biology across tumours with emphasis on lung cancer  
Laura Mezquita, ES  
20’  
Impact of co-mutations  
Ferdinandos Skoulidis, US  
20’  
Molecular tissue testing of NSCLC for KRAS mutations: who, how and when?  
Keith Kerr, UK  
15’  
Discussion |
| 16:45-17:00 | Break |
| 17:00-18:30 | Session 2 – Targeting KRAS G12C in Lung Cancer  
20’  
Clinical development of KRAS G12C inhibitors – where are we now?  
Pasi Janne, US  
15’  
Resistance to KRAS G12C inhibitors – what do we know?  
Grace Dy, US  
20’  
Moving forward with KRAS G12C inhibitors – combinations, sequencing, early stage  
Colin Lindsay, UK  
20’  
Clinical cases and Expert Panel Discussion  
10’ with discussion – single agent case with liver toxicity, Giulia Pasello, IT  
10’ with discussion – combination therapy, Christine Bestvina, US  
15’  
Discussion |
**Thursday, 14 October 2021**

15:00-16:20 **Session 3 – Moving beyond KRAS G12C**

20’ Targeting KRAS beyond G12C—what is coming?  
Egbert Smit, NL

20’ Targeting KRAS with checkpoint inhibitors  
Marina C. Garassino, US

20’ Vaccine and adoptive cell therapy strategies for the treatment of KRAS mutant NSCLC  
Adrian Sacher, CA

20’ Discussion

16:20-16:35 **Break**

16:35-18:05 **Workshop Sessions**

Three workshop sessions  
10’ Introduction based on clinical cases presented by speakers  
20’ Discussion

**Workshop 1**  
Liquid biopsy applications for RAS-mutated mutational profiling, monitoring of disease course, clonal evolution and resistance in NSCLC  
30’  
Laura Mezquita, ES  
Natasha Leighl, CA  
Keith Kerr, UK

**Workshop 2**  
KRAS-focused vaccines and T cell therapies  
30’  
Adrian Sacher, CA  
Christine Bestvina, US

**Workshop 3**  
Designing practice-changing trials — key considerations  
30’  
Grace Dy, US  
Colin Lindsay, UK  
Marina C. Garassino, US

18:05-18:20 **Feedback on the workshops**  
Marina C. Garassino, US  
Natasha Leighl, CA

18:20-18:25 **Synthesis and wrap-up**  
Marina C. Garassino, US