

ESMO Symposium on Signalling Pathways in Cancer 2019  
in partnership with the EACR

*Gene fusions: From gene architecture evolution to  
cell addiction and therapeutic opportunities*

from 26 to 27 April 2019

Barcelona, Spain

Programme Overview

Friday, 26 April 2019

|                   |   |   |  |
|-------------------|---|---|--|
| 11:30-11:45 (15') | <b>Session 1</b><br><b>Welcome and introduction</b> | <b>Chairs: Andrea Sartore Bianchi, Milan, Italy and Joan Seoane, Barcelona, Spain</b> |  |
|                   | Welcome by the Chairs                               | <i>Chairs</i>   |  |

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|-------------------|--|---|--|
| 11:45-12:30 (45') | <b>Session 2</b><br><b>Keynote lecture</b>         | <b>Chairs: Andrea Sartore Bianchi, Milan, Italy and Joan Seoane, Barcelona, Spain</b> |  |
| 45'               | Overview of the field and historic view of BCR/ABL | Charles L. Sawyers, New York, NY, USA   |  |

12:30-13:30 Lunch

|                   |  |  |  |
|-------------------|--|--|--|
| 13:30-14:45 (75') | <b>Session 3</b><br><b>Gene fusions in cancers</b>   | <b>Chairs: Lilian Siu, Toronto, ON, Canada and Joan Seoane, Barcelona, Spain</b> |  |
| 20'               | Mitelman database of chromosome aberrations and gene fusion in cancer (provide more data on incidence) | Felix Mitelman, Lund, Sweden   |  |
| 20'               | Diagnostic challenges: From discovery to clinical application  | Marc Ladanyi, New York, NY, US   |  |
| 20'               | Methodological challenges in clinical research for low-prevalence genetic alterations                  | Lilian Siu, Toronto, ON, Canada  |  |
| 15'               | Q&A  |  |  |

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|-------------------|---|--|--|
| 14:45-16:00 (75') | <b>Session 4</b><br><b>Oncogenic fusions in breast cancer</b> | <b>Chairs: Maurizio Scaltriti, New York, NY, US and Rodrigo Dienstmann, Barcelona, Spain</b> |  |
| 20'               | TN breast cancer  | Lew Cantley, New York, NY, US  |  |
| 20'               | HR+ breast cancer   | Leif W. Ellisen, Boston, MA, US  |  |
| 20'               | Diagnosis   | Maurizio Scaltriti, New York, NY, US   |  |
| 15'               | Q&A   |  |  |

16:00-16:20 Coffee break

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|----------------------|--|---|--|
| 16:20-17:35<br>(75') | <b>Session 5<br/>ALK/ROS</b>                   | <b>Chairs: Marc Ladanyi, New York, NY, US and Robert C. Doebele, Aurora, CO, US</b> |  |
| 20'                  | Basic mechanisms of ALK and ROS1 translocation | Robert Doebele, Aurora, CO, US  |  |
| 20'                  | Testing/screening methodology                  | Fernando Lopez-Rios, Madrid, Spain  |  |
| 20'                  | Clinical integration in oncology practice      | Solange Peters, Lausanne, Switzerland   |  |
| 15'                  | Q&A  |   |  |

Saturday, 27 April 2019

|                      |                           |  |  |
|----------------------|---------------------------|--|--|
| 09:00-10:15<br>(75') | <b>Session 6<br/>FGFR</b> | <b>Chairs: Fabrice André, Villejuif, France and Alexander Drilon, New York, NY, US</b> |  |
| 20'                  | Basic                     | Nick Turner, London, UK  |  |
| 20'                  | Translational             | Cinta Hierro, Badalona, Spain  |  |
| 20'                  | Clinical integration      | Fabrice André, Villejuif, France   |  |
| 15'                  | Q&A                       |  |  |

10:15-10:45 *Coffee break*

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|----------------------|---|---|--|
| 10:45-12:00<br>(75') | <b>Session 7<br/>EGR fusions (prostate)</b> | <b>Chair: Johann S. de Bono, London, UK and to be announced</b> |  |
| 20'                  | Basic                                       | Scott Tomlins, Ann Arbor, MI, US                                |  |
| 20'                  | Translational                               | Mark Rubin, Bern, Switzerland                                   |  |
| 20'                  | Clinical integration                        | Johann S. de Bono, London, UK                                   |  |
| 15'                  | Q&A   |   |  |

12:00-13:00 *Lunch*

|                      |                                      |  |  |
|----------------------|--------------------------------------|--|--|
| 13:00-14:15<br>(75') | <b>Session 8<br/>EWS/FLI (Ewing)</b> | <b>Chairs: To be announced</b>         |  |
| 20'                  | Basic                                | Thomas G.P. Grünewald, Munich, Germany |  |
| 20'                  | Translational                        | Enrique de Alava, Sevilla, Spain       |  |
| 20'                  | Clinical integration                 | Jaume Mora, Barcelona, Spain           |  |
| 15'                  | Q&A                                  |  |  |

14:15 – 14:45 *Break*

|                      |   |   |  |
|----------------------|---|---|--|
| 14:45-16:00<br>(75') | <b>Session 9<br/>RET and NTRK fusions</b>                                       | <b>Chairs: Andrea Sartore-Bianchi, Milano, Italy, and Jaume Capdevila Castillon, Barcelona, Spain</b> |  |
| 20'                  | Basic and translational aspects of RET fusions in thyroid carcinoma             | Ross Cagan, New York, NY, US  |  |
| 20'                  | Basic, translational and clinical integration of RET fusions across tumor types | Alexander Drilon, New York, NY, US  |  |

|     |   |                                       |  |
|-----|---|---------------------------------------|--|
| 20' | Basic, translational and clinical integration of NTRK translocations across tumor types | Andrea Sartore-Bianchi, Milano, Italy |  |
| 15' | Q&A   |                                       |  |

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|-------------------|---|---|--|
| 16:00-16:15 (15') | <b>Session 10</b><br>Take-home messages and close | <b>Chairs: Andrea Sartore Bianchi, Milan, Italy and Joan Seoane, Barcelona, Spain</b> |  |
| 15'               | Take-home messages and close                      | <i>Chairs</i>   |  |