



## Targeting the metabolism-immune system connections in Cancer

MARIE SKŁODOWSKA-CURIE ACTIONS

Innovative Training Network (ITN)

H2020-MSCA-ITN-2017

## 2<sup>nd</sup> META-CAN Workshop

# Mouse and organomimetic models of cancer and bioinformatics approaches in research

23<sup>rd</sup> -26<sup>th</sup> September 2019 – Leuven



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**Monday 23<sup>rd</sup> September**Location: Thermotechnical Institute in Heverlee - room TI 01.02

| Time          |  |
|---------------|--|
| 9:00 - 10:00  | <b>Diether Lambrechts (VIB, Leuven)</b><br>Single-cell profiling of the tumour micro-environment                         |
| 10:00 - 11:00 | <b>Livio Trusolino (IRCC, Torino)</b><br>Patient-derived models for precision medicine; The example of colorectal cancer |
| 11:00 - 11:30 | <b>Coffee Break</b>  |
| 11:30 - 12:30 | <b>Abhishek Garg (KU Leuven)</b><br>Guiding cancer immunotherapy with biomarkers: A case of glioblastoma                 |
| 12:30 - 13:15 | <b>Lunch Break</b>   |

**Tuesday 24<sup>th</sup> September**Location: Thermotechnical Institute in Heverlee - room TI 01.02

| Time          |   |
|---------------|---|
| 14:00 - 14:10 | Welcome   |
| 14:10 - 15:10 | <b>Frederik De Smet (KU Leuven)</b><br>Single-cell, protein-based multiplex analysis of patient-derived brain tumor models    |
| 15:10 - 16:10 | <b>Bon-Kyoung Koo (IMBA, Vienna)</b><br>CRISPR/Cas-assisted genetics in intestinal organoids                                  |
| 16:10 - 16:40 | <b>Coffee Break</b>   |
| 16:40 - 17:40 | <b>Jos Jonkers (NKI, Amsterdam)</b><br>Genetic dissection of breast cancer development and therapy resistance in mouse models |
| 17:40 - 18:40 | <b>Sabine Tejpar (UZ Leuven)</b><br>Cellular and immune landscape of colorectal cancer  |

### Wednesday 25<sup>th</sup> September

Location: Thermotechnical Institute in Heverlee - room TI 01.02

| Time          |  |
|---------------|--|
| 9:00 - 10:00  | <b>Chris Marine (VIB, Leuven)</b><br>Nongenetic mechanisms of tumor evolution and therapy resistance                                     |
| 10:00 - 11:00 | <b>Marlies Vanden Bempt (VIB, Leuven)</b><br>Mouse models in Leukemia research   |
| 11:00 - 11:30 | <b>Coffee Break</b>  |
| 11:30 - 12:30 | <b>Owen Sansom (Beatson Institute, Glasgow)</b><br>Modelling Colorectal Cancer Metastasis in the Mouse                                   |
| 12:30 - 13:20 | <b>Lunch Break</b>   |
| 13:20 - 14:20 | <b>Els Hermans (VIB, Leuven)</b><br>What does it take to build and manage a patient-derived tumor xenograft platform?                    |
| 14:20 - 15:20 | <b>Daniel Murphy (Beatson Institute, Glasgow)</b><br>MYC-dependent transcriptional repression drives immune evasion in pancreatic cancer |
| 15:20 - 16:20 | <b>Geert Berx (CRIG, Ghent)</b><br>Multiple shades of EMT during cancer progression  |

### Thursday 26<sup>th</sup> September

Location: Thermotechnical Institute in Heverlee - room TI 01.02

| Time          |  |
|---------------|--|
| 9:00 - 10:00  | <b>Luca Primo (IRCC, Torino)</b><br>Tumor and vascular three-dimensional culture models: cellular dynamics and precision therapeutics approaches |
| 10:00 - 10:30 | <b>Chiara Cattaneo (NKI, Amsterdam)</b><br>Tumor-Immune cell interactions: functional models for individual patients                             |
| 10:30 - 11:00 | <b>Coffee Break</b>  |
| 11:00 - 12:00 | <b>Enzo Medico (IRCC, Torino) - TBD</b>  |

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|               |  |
|---------------|--|
| 12:00 - 13:00 | <b>Vincent Van Hoef (VIB, Leuven)</b><br>Bioinformatics: A Practical Approach                                  |
| 13:00 - 14:00 | <b>Lunch Break</b>   |
| 14:00 - 14:45 | <b>Liesbeth Minnoye (VIB, Leuven)</b><br>Deciphering gene regulation in cancer at single-cell resolution       |
| 14:45 - 15:45 | <b>Bart Ghesquière (VIB, Leuven)</b><br>Tracer Metabolomics: Google Maps of Biochemistry                       |
| 15:45 - 16:05 | <b>Coffee Break</b>  |
| 16:05 - 17:05 | <b>Bernard Thienpont (KU Leuven)</b><br>Integrating DNA methylation and gene expression data in tumour biology |
| 17:05 - 18:00 | <b>Jermaine Goveia (VIB, Leuven)</b><br>Metabolic transcriptome profiling in lung tumor endothelial cells      |
| 18:00 - 19:00 | <b>Eleonora Leucci (KU Leuven)</b><br>PDXO as suitable models for cancer biology and preclinical research      |

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## Directions

### **Meeting space**

#### **Thermotechnical Institute in Heverlee - room TI 01.02**

Kasteelpark Arenberg 10  
3001 Heverlee, Leuven  
Belgium

<https://www.mech.kuleuven.be/en/tme/thermotechnisch-instituut/General>

**Directions:** <https://www.mech.kuleuven.be/en/tme/thermotechnisch-instituut/routebeschrijving>