

BIOENGINEERING AND MEDTECH AGAINST CANCER

To meet the challenges in healthcare of the 21st century, we need to develop novel approaches by combining Bioengineering and Medtech to cancer diagnosis and prognosis. Each has a role to play in this open innovation model: clinician, engineers, industrials, entrepreneurs, doctors, MedTech companies and, of course, patients.

*It's in this optic, to bring together the different stakeholders and increase collaborations, that the digital oncology short course will take place the **24th and 25th of November 2020** in collaboration with IBEC and the Biocat.*

AGENDA

DAY 1

Morning

9h00 – 9h15:	Opening ceremony (Medicen, Biocat, IBEC)
9h15 – 10h15: (Session 1)	Liquid biopsies – Towards an early diagnosis and real-time monitoring of cancer (Chair: <i>Joan Montero</i>) <ul style="list-style-type: none"> ○ <i>Päivi Östling - Karolinska Institutet - Finland</i> ○ <i>Julien Taieb - AP-HP, Hôpital Européen Georges Pompidou – France – tbc</i>
10h15 – 10h30:	Break
10h30 – 11h30: (Session 2)	Tumor-on-chip – a 3D tool for precision oncology (Chair: <i>Nuria Montserrat</i>) <ul style="list-style-type: none"> ○ <i>Stephanie Descroix - Centre de recherche de l'Institut Curie- France</i> ○ <i>Matthias Lutolf- Ecole Polytechnique Fédérale de Lausanne (EPFL) - Switzerland</i>

Afternoon

14h00 – 15h00: (Session 3)	CAR-T cells: engineering patients' immune cells for cancer treatment (Chair: <i>Elias Campo</i>) <ul style="list-style-type: none"> ○ <i>Alvaro Urbano-Ispizua - Josep Carreras Leukaemia Research Institute (IJC) - Spain</i> ○ <i>Sonia Guedan - IDIBAPS – Spain</i>
15h00 – 15h10:	Break

15h10 – 16h10: (Session 4)	<p>Mechanics of cancer growth and migration (Chair: <i>Pere Roca-Cusachs</i>)</p> <ul style="list-style-type: none"> ○ <i>Laura Machesky - Beatson Institute for Cancer Research – UK</i> ○ <i>Jochen Guck - Max Planck Institute - Germany</i>
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DAY 2

Morning

9h00 – 10h00: (Session 5)	<p>Tumor-targeted drug delivery systems (Chair: <i>Samuel Sanchez</i>)</p> <ul style="list-style-type: none"> ○ <i>Maria José Alonso - Universidad de Santiago de Compostela (USC)- Spain</i> ○ <i>Jan Van Hest - Eindhoven University - The Netherlands</i>
10h00 – 10h15:	<i>Break</i>
10h15 – 11h15: (Session 6)	<p>Making it happen (Chair: <i>Teresa Sanchis</i>)</p> <ul style="list-style-type: none"> ○ <i>Luís Pareras - Invivo Capital Partners, SGEIC, S.A. – Spain</i> ○ <i>Laia Crespo - Sanofi Ventures- France</i>

Afternoon

14h00 – 15h30: (Innovation track)	Pitch of start-ups and R&D projects
15h30 – 17h15:	Partnering session
17h15 – 17h30:	Closing ceremony of the short course
17h30 – 18h15:	Open round table for the general public