



INFRAFRONTIER

INFRAFRONTIER Conference 2020

Targeting Cancer with Animal Models

07 - 08 October

#InfrafrontierConf | #InfraConfCancer

ONLINE CONFERENCE

OCTOBER 7, 2020

SESSION 1 - Innovative *in vivo* and *in vitro* Models in Cancer Research

Chair: Martin Hrabě de Angelis, Helmholtz Center Munich / INFRAFRONTIER, Germany

*****Note: All times are Central European Summer Time (CEST)**

13:00 - 13:15	Welcome and Introduction	Martin Hrabě de Angelis Helmholtz Center Munich / INFRAFRONTIER, Germany
13:15 - 14:00	Keynote: Crossing the Valley of Death: The Need for Better Preclinical Mouse Tumor Models	Hellmut Augustin German Cancer Research Centre (DKFZ), Germany
14:00 - 14:20	Genetic dissection of breast cancer development, therapy response and resistance in mouse models	Jos Jonkers Netherlands Cancer Institute (NKI), Netherlands
14:20 - 14:40	Vulnerability of invasive glioblastoma cells to lysosomal membrane damage	Pirjo Laakkonen Helsinki Institute of Life Science (HiLIFE), Finland
14:40 - 15:00	Absence of mouse-driven genomic evolution during engraftment and propagation of patient-derived cancer xenografts	Enzo Medico University Of Turin (UniTO), Italy
15:00 - 15:30	Coffee Break	
15:30 - 15:50	Cyclooxygenase 2-driven inflammation in pancreatic cancer	Karin Müller-Decker German Cancer Research Centre (DKFZ), Germany
15:50 - 16:10	Tumour organoid cultures as a platform for functional genomics	Mathew Garnett Wellcome Sanger Institute, United Kingdom
16:10 - 16:30	Development of a human RANKL-driven mouse model of mammary carcinogenesis	Lydia Ntari Biomedcode, Greece
16:30 - 16:50	Imaging tumor acidosis in preclinical murine tumor models	Dario Longo Institute of Biostructures and Bioimaging (IBB) Italian National Research Council (CNR), Italy

OCTOBER 8, 2020 – Morning
SESSION 2 - Stakeholder Talks

Chair: Valerie Gailus-Durner, *German Mouse Clinic / INFRAFRONTIER, Germany*
Sabine Fessele, *INFRAFRONTIER GmbH, Germany*

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09:00 - 09:45	Keynote: Investigating cancer immunotherapies using mouse models	Bernard Malissen Centre d'Immunologie Marseille-Luminy (CIML), France
09:45 - 10:05	Intravital multiphoton microscopy in a syngeneic melanoma mouse model unravels a translationally relevant role for connexin hemichannels in cancer photodynamic therapy	Fabio Mammano Institute of Biochemistry and Cell Biology (CNR), Italy
10:05 - 10:25	Mapping modifiers for different cancer developments in collaborative cross mice	Fuad Iraqi Tel Aviv University, Sackler Faculty of Medicine, Israel
10:25 - 10:45	A rodent model of KIT-induced human cancer: Clinical and histopathological characterization	Birgit Rathkolb Helmholtz Center Munich, German Mouse Clinic (GMC), Germany
10:45 - 11:15	Coffee Break	
11:15 - 11:35	From the Bytes to the Bedside: The Role of Collagen XVIII in Normal and Malignant Hematopoiesis	Valerio Izzi University Oulu, Faculty of Biochemistry and Molecular Medicine, Finland
11:35 - 11:55	Predictive modeling, applied to genetically engineered mouse models of breast or lung cancer, provides insights into major oncogenic pathways	Bodo Lange Alacris Theranostics, Germany
11:55 - 12:05	Twitter Poster Session	

OCTOBER 8, 2020 - Afternoon**SESSION 3 - European Cancer Research Policy****Chair: Michael Raess, INFRAFRONTIER GmbH, Germany*******Note: All times are Central European Summer Time (CEST)**

13:00 - 13:30	Keynote: Cancer: a growing challenge for Europe	Tomi Mäkelä Helsinki Institute of Life Science (HiLIFE), Finland Member of EU Cancer Mission Board
13:30 - 13:45	INFRAFRONTIER - Rodent models for understanding cancer	Michael Räß INFRAFRONTIER, Germany
13:45 - 14:00	EurOPDX/EDIRex, a Research Infrastructure that provides access to standardized PDX resources and data in Europe and globally	Massimiliano Borsani EurOPDX, Italy
14:00- 14:15	tba	John Eriksson Euro-BioImaging (EuBi), Finland
14:15 - 14:30	Mission Impossible? Instruct-ERIC: structural biology tackling cancer	Susan Daenke Instruct - ERIC, UK
14:30 - 14:45	EU-OPENSREEN, the European Research Infrastructure for Chemical Biology and early Drug Discovery	Bahne Stechmann EU-OPENSREEN ERIC (EU-OS), Germany
14:45 - 15:00	The research we want' - a researcher turned patient advocate on research that matters to patients	Bettina Ryll Melanoma Patient Network Europe (MPNE) Member of EU Cancer Mission Board
15:00- 15:45	Panel Discussion: How can European Life Science Research Infrastructures contribute to the Cancer Mission?	Tomi Mäkelä Michael Räß Massimiliano Borsani John Eriksson Susan Daenke Bahne Stechmann Bettina Ryll

15:45 - 16:00	Wrap up	
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