

Modelling Minds: Innovations in Preclinical Brain Cancer Research

Open to everyone ! Attend here:

<https://zoom.us/j/98883688277?pwd=ZNafP3KSbydjSB4HNHdcsQbfSF782X.1>

IN VITRO & EX VIVO PRECLINICAL MODELING

Chair:
Emanuela Senior

ADVANCED CO- CULTURES & ORGAN-ON-CHIP TECHNOLOGIES

Chair:
Sarah De Beuckeleer

IN VIVO MODELING

Chair:
Ramón Iglesias-Rey

Chairs:
Hélène Castel
Vinton Cheng

9.00-9.15

Welcome

Anna Golebiewska,
Barbara Breznik

9.15-10.20

Task Force 1 presentation

Rajesh Shigdel

RENACER: a patient-focused network to challenge brain metastasis

Ana de Pablos
Centro Nacional de Investigaciones Oncológicas, Madrid, Spain

Preclinical models of brain cancer and their application in precision medicine

Ann Christin Hau
Dr. Senckenbergisches Institut für Neuroonkologie & Neurologisches Institut (Edinger Institut), University Hospital in Frankfurt am Main, Germany

Human models to investigate brain tumor-environment interactions

Emma van Bodegraven
Translational Neuroscience, Brain Center University Medical Center Utrecht, The Netherlands

10.30-11.35

Task Force 2 presentation

Tuğba Topal

The Next Generation of Brain Models: Integrating Biomechanical Cues and 3D Stem Cell Culture

Tuğba Topal
Karadeniz Technical University, Trabzon, Turkey

Administration strategies to target the brain with nanoparticles: From design to in vitro models

Alejandro Sosnik
Technion-Israel Institute of Technology, Haifa, Israel

Exploring the glioblastoma-NK cell crosstalk in a 3D model of glioblastoma

Anamarija Habič
National Institute of Biology, Department of Genetic Toxicology and Cancer Biology, Ljubljana, Slovenia

11.35-12.30

Break

12.30-13.35

Task Force 3 presentation

Hélène Castel

Preclinical testing of nanoparticles targeting glioblastoma

Pablo Hervella
Instituto de Investigación Sanitaria de Santiago, Santiago de Compostela, Galicia, Spain

Glioblastoma derived models

Carla Vitorino
University of Coimbra, Portugal

Modeling the brain tumor microenvironment in glioma mouse models: metabolism, microstructure and perfusion

Rui Simoes
Neuroengineering and Computational Neuroscience, Porto, Portugal

13.45-15.45

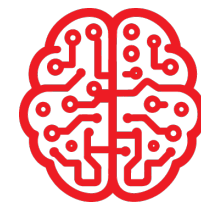
IN VIVO MODELS WORKSHOP

Current and future challenges in GEMMs and PDOX models for brain tumors

LIMITED PLACES: registration at

<https://forms.gle/mj9BAFRKZwtufx6F7>

10th MARCH 2025



Net4Brain
Let's beat brain cancer together

Modelling Minds: Innovations in Preclinical Brain Cancer Research

13.45-15.45 **IN VIVO MODELS
WORKSHOP**

Define the current and future challenges in
GEMMs and PDOX models for brain tumors

Chairs:
Hélène Castel
Vinton Cheng

REGISTRATION AT:

<https://forms.gle/mj9BAFRKZwtufx6F7>

Limited to 30 participants

SESSION 1

Short talks about GEMMs and PDOX
models for brain tumor research

Discussions

SESSION 2

Historical overview of brain tumor
models

Sebastian Brandner
UCL Queen Square Institute of Neurology,
London, UK



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