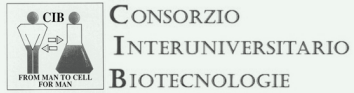


Partners



PreCanMed

is a project funded by the European Union, European Regional Development Fund and Interreg V-A Italia-Austria 2014-2020

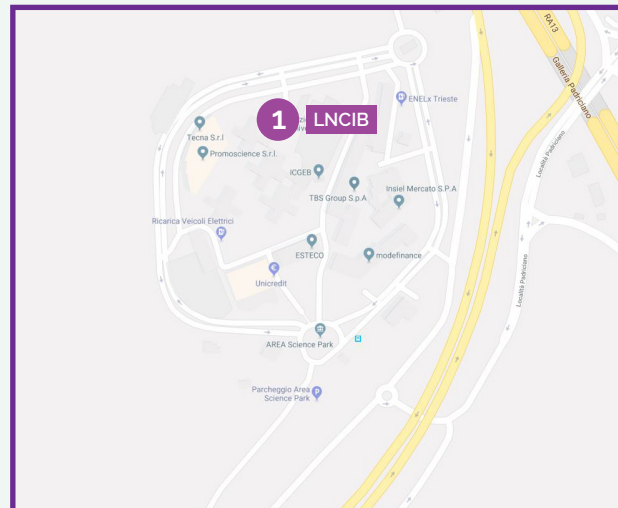
Locations & Map

- 1** Consorzio Interuniversitario per le Biotecnologie, Laboratorio Nazionale (LNCIB)

Palazzina F3 - Area Science Park, Padriciano 99, 34149 Trieste, Italy

- 2** Museo Revoltella

Via Armando Diaz, 27, 34123 Trieste - Italy



Interreg
Italia-Österreich

European Regional Development Fund



EUROPEAN UNION



Precision Cancer Medicine

Summer School
on tumor organoid technology

11-14 JUNE 2019

TRIESTE

PreCanMed Summer School overview

This course is aimed at PhD students and postdoctoral researchers that want to get experience with tumor organoid technology. The course will provide the participants with practical training through hands-on activities such as the manipulation of mouse organoids with retroviral vectors, the set-up of small scale drug tests and related assays for read-out as well as insights and discussions on the essentials of genomics analyses of tumor organoids.

Organizers

University of Trieste (UNITS)

Consorzio Interuniversitario per le Biotecnologie,

Laboratorio Nazionale (LNCIB)

Modules

Handling of tumor organoids obtained from genetic mouse cancer models

Manipulation of mouse organoids with retroviral vectors

Set-up and read-out of small scale drug tests

Insights into the essentials of genomics analyses of tumor organoids

Learning outcome

- Knowledge and experience exchange at the among researchers working with organoid technology
- Understanding critical steps in modifications of mouse organoids using viral vector systems
- Setup of drug tests and genomics analyses

11 JUNE

1 Laboratories at LNCIB

PreCanMed Summer School

For registered participants

13.00 Presentation: working experience with organoids at UNITS and the LNCIB

14.30 Hands on activity at LNCIB Labs

- Preparation of retrovirus for organoid transduction
- Preparation of organoids cultures for retroviral transduction
- Over-night transduction of organoids on non-adherent plastic

12 JUNE

1 Laboratories at LNCIB

PreCanMed Summer School

For registered participants

08.30 Hands on activity at LNCIB Labs

- Recovering of transduced organoids and seeding in Matrigel
- Setup of retroviral-modified organoid model systems for drug testing
- Preparation of drugs dilutions and treatment of organoid cultures

12.30 Lunch break

14.00 Social Event

Visit Castello di Miramare, Trieste*

13 JUNE

1 Laboratories at LNCIB

PreCanMed Summer School

For registered participants

08.30 Hands on activity at LNCIB Labs

- Read out of drug-tests by analysing cell viability
- Preparation and discussion of obtained data

12.00 Genomics analysis of organoids and discussion
Mariangela Santorsola (LNCIB)

Key issues of sample preparation , sequencing condition and data analysis

13.30 End of laboratory activity

14 JUNE

2 Museo Revoltella

PreCanMed Workshop on Precision Cancer Medicine

For registered participants

LECTURE SESSION FOR GENERAL PUBLIC

09.30 Registration

10.00 Welcome address

Stefan Schoeftner, PhD (LNCIB, Trieste)

10.15 Medicina di precisione: opportunità, limiti e nuove frontiere**

Stefano Piccolo, PhD (University of Padua, Italy - FIRC Institute of Molecular Oncology, Padua, Italy)

10.40 Ruolo ed importanza degli studi clinici**

Silvia Marsoni, M.D. (Candiolo Cancer Institute, Torino, Italy - University of Milano, Italy - FIRC Institute of Molecular Oncology, Milan, Italy)

11.05 Sviscerare l'avatar dei tumori in laboratorio: nuove terapie per la medicina anti-cancro di precisione**

Stefan Schoeftner, PhD (LNCIB, Trieste)

Presentation of results of the Interreg Italia - Austria project "PreCanMed: Creating a platform for precision anti-cancer medicine"

12.00 Break

LECTURE SESSION FOR EXPERTS

13.30 Practicing precision oncology in colorectal cancer

Silvia Marsoni, M.D.

14.15 Cancer tissue biology

Stefano Piccolo, PhD

15.00 Perturbation biology for precision immuno-oncology

Zlatko Trajanoski, PhD (MUI - Medizinische Universität Innsbruck, Austria)

15.45 Conclusions

* Depending on weather conditions. Costs (€8) need to be covered by participants.

** Talk in Italian; headset for German translation will be provided