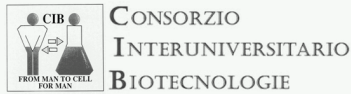


Partners



MEDIZINISCHE
UNIVERSITÄT
INNSBRUCK

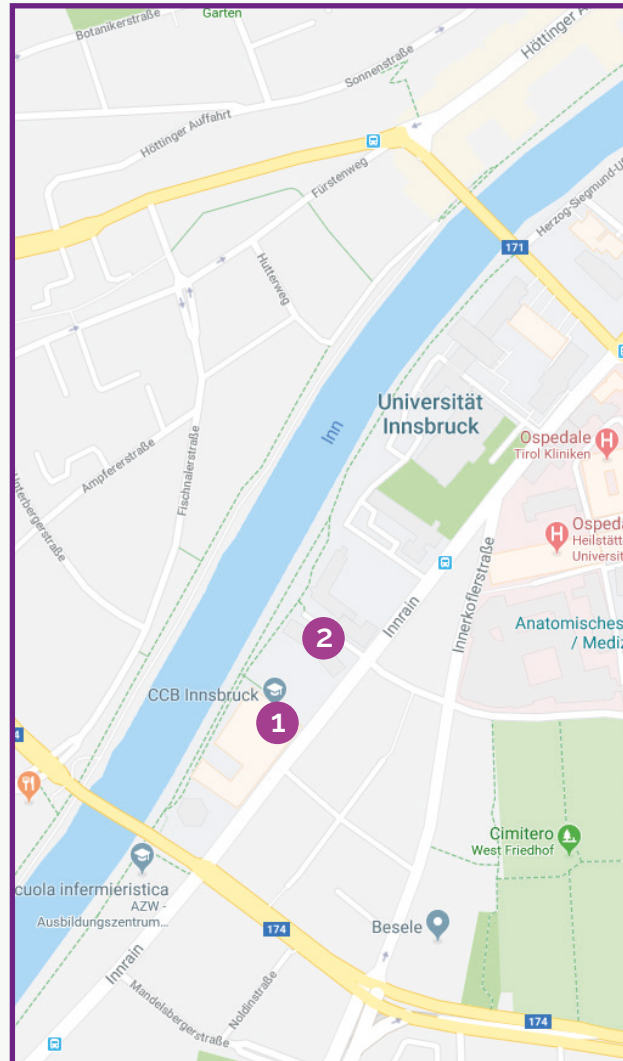


PreCanMed

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

Locations & Map

- 1 Medical University of Innsbruck**
room M.01.470, 1st floor CCB,
Innrain 80-82, Innsbruck
- 2 ADSI - Austrian Drug Screening
Institute GmbH, Labs**
6th floor, Innrain 66a, Innsbruck



**Interreg
Italia-Österreich**

European Regional Development Fund



EUROPEAN UNION



Precision Cancer Medicine

Summer School
on tumor organoid technology

10-12 JULY 2018

INNSBRUCK

PreCanMed Summer School overview

This course is aimed at PhD students and post-doctoral researchers that want to gain experience with tumor-organoids technology. The course will provide participants with practical training through hands-on activities including the cultivation and cryo-conservation of colorectal tumor-organoids as well as their characterization by immuno-histological techniques. Participants will further perform drug testing experiments and train the set-up of time lapse imaging and real-time cell viability assays. The course also envisages discussion and knowledge exchange sessions.

Organizers:

Austrian Drug Screening Institute (ADSI)
Medical University of Innsbruck (MUI), Austria

Modules:

Cultivation and conservation of organoids

Treatment of colon tumor organoids

Organoid preparation for paraffin embedding and immune-fluorescence staining

Drug-treatments

Time lapse imaging and rel-time cell viability assays

Learning outcome

- Knowledge and experience exchange at the regional level among researchers working with the organoid technology
- Understanding critical steps in organoid cultivation
- Training the setup of drug-testing scenarios and read-out

10 JULY

① MUI, room M01.470

11.00 Scientific Keynote Lecture

Bioinformatics: key technology for precision (immuno)-oncology

Prof. Zlatko Trajanoski (MUI)

12.30 *Break*

② ADSI – Lab 6th floor

PreCanMed Summer School

For registered participants

13.30 Hands on activity at the ADSI Lab

Topics:

- Drug treatment: Planning of experiment: controls and read outs (RealTime-Glo, imaging)
- Treatment of colon tumor organoids
- IF with whole mount organoids
- Organoid preparation for paraffin embedding

* depending on weather conditions. Registration until Wed, 11th. The costs of this excursion (34,50€/31,10€ for students) have to be covered by participants themselves

11 JULY

② ADSI – Lab 6th floor

PreCanMed Summer School

08:30 Hands on activity at the ADSI Lab

Topics:

- Drug treatment: set up time lapse imaging and RealTime-Glo assay
- Organoid maintenance: 4 media strategy of the ADSI
- Handling of tumor organoid culture (colon, lung and breast)
- Exchange of practical know-how between partners (freezing, thawing, passaging, etc.)

12.30 *Lunch break*

14:00 optional*: Social Event

Excursion to Hafelekar (landmark mountain at Innsbruck, 2300 m of altitude) by cable car directly from Innsbruck

12 JULY

② ADSI – Lab 6th floor

PreCanMed Summer School

08:30 Hands on activity at the ADSI Lab

Topics:

Final data collection:

- time lapse imaging and RealTimeGlo assay

11.00 Journal Club

Discussion of the most important literature in the field. Each group should present 1 paper

12.30 Finalizing data and reporting results Final discussions

13:00 End of Summer School and Farewell