Call for Members

Competence Center Personalized Medicine UZH/ETH

The Competence Center Personalized Medicine (CC-PM) was founded in April 2014 by the University of Zurich (UZH) and ETH Zurich.

Prospective CC-PM Executive Committee:
Prof. Ruedi Aebersold, Molecular Systems Biology, ETH
Prof. Niko Beerenwinkel, Computational Biology, ETH
Prof. Joachim Buhmann, Computer Science, Machine Learning, ETH
Prof. Simon Hoerstrup, Regenerative Medicine, UZH/USZ
Prof. Wilhelm Krek, Cell Signalling and Disease Biology, ETH
Prof. Gerd Kullak-Ublick, Clinical Pharmacology and Toxicology, UZH/USZ
Prof. Holger Moch, Cancer Pathology, UZH/USZ
Prof. Anita Rauch, Medical Genetics, UZH
Prof. Michael Weller, Neurology, Biology of Malignant Gliomas, UZH/USZ
Prof. Christian Wolfrum, Translational Nutrition Biology, ETH

Objectives of the Competence Center Personalized Medicine

The Competence Center coordinates and actively supports interdisciplinary research at the University of Zurich, ETH Zurich and the University Hospitals in Zurich in the field of genome-based healthcare. Cooperation between basic and clinical research will be intensified through the Competence Center. The common goal of the Center is to develop and implement methods for genome-guided prevention, diagnosis and therapy based on the genetic disposition of each individual person. CC-PM will build and provide the framework for generating and integrating multidimensional genomic and (epi)genetic datasets. As such, it will operate at the interface of the life sciences, medicine and technology.

CC-PM will be built on three technology units that will coordinate and extend existing structures of the involved institutions:

- The Tissue, Serum and Cell Banking Unit (Prof. Holger Moch, UZH/USZ) makes patient’s (oncology) biospecimens available for translational research.
- The Personalized Medicine ICT Unit (Prof. Niko Beerenwinkel, ETH) provides IT solutions to integrate genomic profiles with clinical data and information about individual life parameters, and it provides support for analyzing these datasets. The unit will interact with Science IT of UZH, SyBIT and Scientific IT and the Big Data initiatives of ETH.
• The **Theragnostics Discovery Unit (Prof. Wilhelm Krek, ETH)** provides the technology for investigations of complex biological processes in disease models and drug interactions. This unit is tightly connected to the Phenomics Center and the Biomedical Automation Technology Center of ETH.

**Molecular and Translational Biomedicine (MTB) PhD Program**

The CC-PM offers an international PhD program under the umbrella of the Life Science Zurich Graduate School. The PhD program «Molecular and Translational Biomedicine» imparts knowledge, concepts and modern approaches in basic and applied biomedical research.

**Invitation for Membership**

The Competence Center Personalized Medicine is open to scientists, physicians and clinicians (professorship level) of the University of Zurich, ETH Zurich, and the University Hospitals in Zurich. In their role as members, they engage in long-term research projects in the field of genome-based biomedical research with a strong emphasis on personalized medicine. CC-PM members will find an ideal environment to pursue interdisciplinary research projects for which close collaboration of basic and clinical researchers is essential. CC-PM members will initiate collaborative projects and operationalize them within the Center.

Benefits for Members:

- CC-PM members have priority access to CC-PM platforms
- CC-PM supports their members in finding research funding
- The network of CC-PM extends to other institutions and international industry. CC-PM will help with finding matching research collaborators
- CC-PM organizes a yearly scientific retreat in order to present current research findings, exchange of scientific insights and collaboration
- CC-PM members can hire PhD students within the PhD program «Molecular and Translational Biomedicine» of the LSZGS

Requirements:

- For application for CC-PM membership, please hand in a project proposal (1-max 2 pages) with minimum one partner from ETH Zurich and one from University of Zurich or one of the University Hospitals in Zurich (indicating the number of personnel that will be involved) and your CV. The CC-PM Executive Committee reviews all proposals for scientific merit and responsiveness to the Center’s above described criteria.
- The membership fee is CHF 1000 per year (excluding Assistant Professors).

**Contact Details**

If you are interested, please contact us and send your CV and project proposal to: silke.schneider@uzh.ch

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