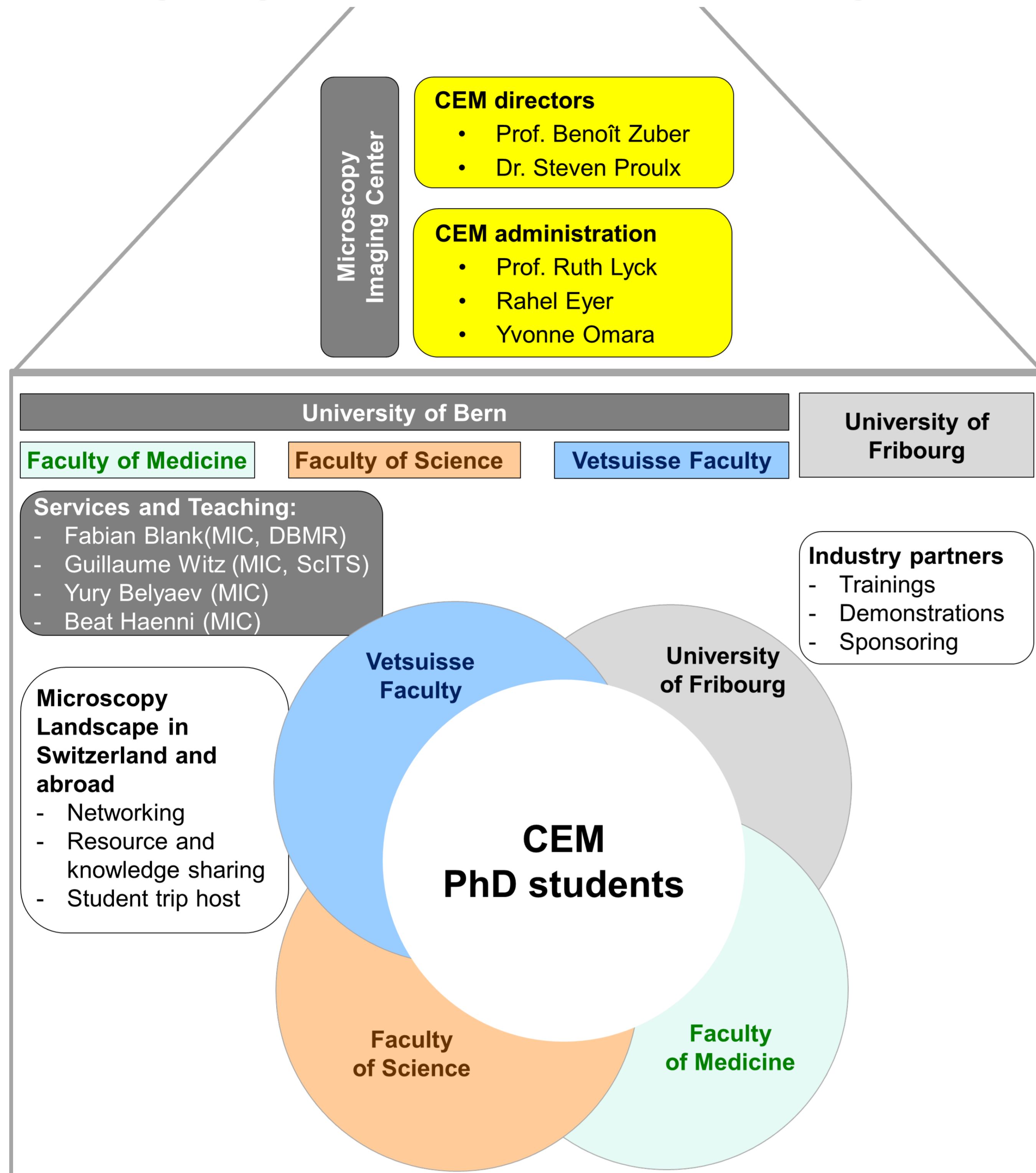


The Cutting Edge Microscopy (CEM) PhD program

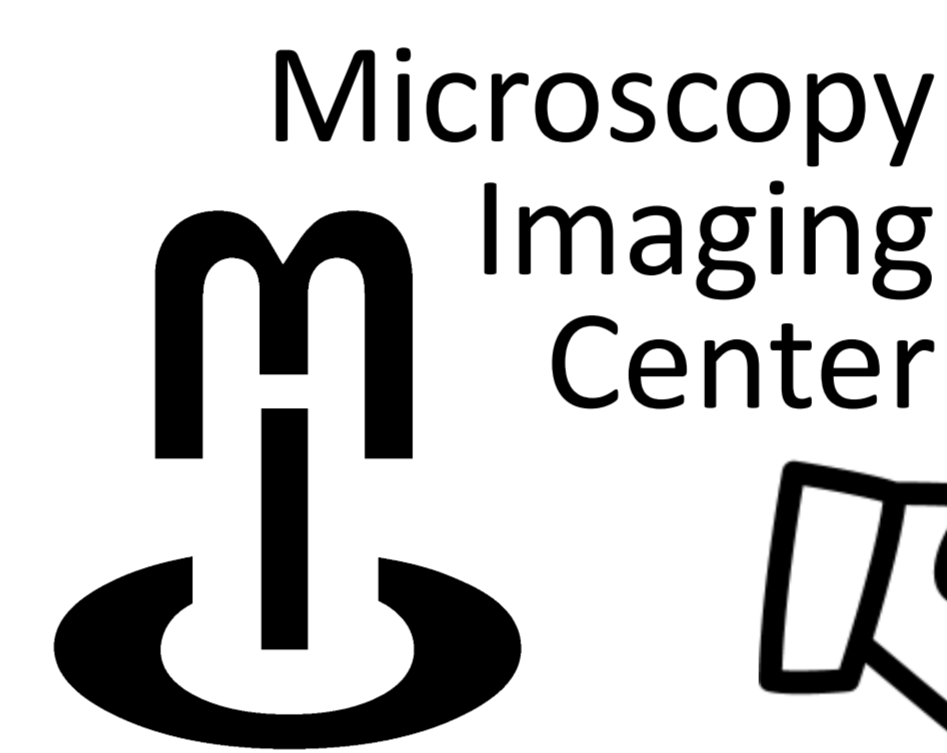
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UNIVERSITÄT
BERN

Organigram of the CEM PhD program



The Cutting Edge Microscopy (CEM) PhD program offers a specialization for PhD students of the Graduate School for Cellular and Biomedical Sciences (GCB). The main objective of the CEM program is to provide PhD students with interdisciplinary training to become first-class experts in biological imaging. The interfaculty framework of the Microscopy Imaging Center (MIC) provides the necessary infrastructure and expertise. The success of the CEM PhD program relies on the close collaboration between the GCB and the MIC. Since its beginning in 2017, 19 students have successfully completed the program. Currently, 17 students are enrolled in the program.



Graduate School
for Cellular and
Biomedical Sciences

CEM Education

- MIC Lecture series on Advanced Microscopy
- MIC workshops
- MIC trainings
- Special events
 - o CEM summer school
 - o MIC Research Day
 - o MIC Symposium
 - o Communication training
 - o Regular presentation events
 - o CEM study trip

CEM Program Requirements

- PhD students registered at the GCB
- Total ECTS points to be achieved: 10 ECTS
 - o 2 ECTS from courses NOT related to microscopy.
 - o 4 ECTS within the CEM basic module
 - o 4 ECTS within the CEM advanced module.
- The CEM PhD certificate will be valid only in combination with the graduation certificate of the GCB.

Do you use microscopy
and are you in your 1st (or 2nd) year?
→ **Join the CEM PhD program**

CEM – Your benefits

- Basic knowledge in microscopy.
- Know-how about high-end microscopy.
- Overview on the broad panel of microscopic techniques available in Bern and Fribourg.
- Workshops and practical courses that can individually be chosen.
- CEM representative at the MIC committee.
- Direct contact to MIC committee members.
- Contact to industry partners.
- Interdisciplinary networking between students of the University of Bern and the University of Fribourg.
- Knowledge about the Swiss Microscopy landscape.
- Certified specialization in microscopy.

CEM schedule 2022

- MIC Research Day: June 29
- CEM Summer School: June 30 – July 01
- MIC Symposium: November 18
Imaging subcellular dynamics in cell migration