

## SATW Transferkolleg

- Identifying innovative technologies
- Facilitating academia – industry collaboration
- Developing marketable products

## Call for proposals

Deadline for submission: 10 July 2011  
Please send project proposals by e-mail  
to [transferkolleg@satw.ch](mailto:transferkolleg@satw.ch)

## An attractive platform for scientists and commercial product developers

«Micro- and Nanotechnologies for Health» is already the 8<sup>th</sup> edition of the Transferkolleg, following «Synthetic Biotechnology» (2010), «Food Processing» (2009), «Industrial Photonics» (2008), «Industrial Biotechnology» (2007), «Applied Photonics» (2006), «Nano-Structured Surfaces» (2005) and «NanoBiotechnologies» (2004). The Transferkolleg is a collaborative initiative (including a workshop) intended to facilitate the commercial development of innovative ideas.

The workshop's protective setting and the signing of confidentiality agreements allow an intensive exchange of knowledge and experience. Workshop topics include intellectual property rights, prospects for securing CTI funding and much more. Participants are given easy access to experts in technology transfer and the opportunity to develop their network. They benefit from an open and intellectually stimulating workshop atmosphere.

Past Transferkollegs yielded remarkable benefits in terms of advice and support given by highly regarded representatives of the business and scientific communities as well as by CTI assessors.

## Funded by the SATW and the CTI

The Swiss Academy of Engineering Sciences (SATW) is a non-commercial, politically independent umbrella organisation which brings together institutions, individuals and specialised companies involved in applying and promoting the engineering sciences in Switzerland. Through its Transferkolleg, the SATW aims to encourage contact and collaboration between industry and academia, thus furthering many promising developments in their earliest stages. The Commission for Technology and Innovation (CTI) supports some 400 projects every year, investing well over 100 million Swiss francs. Its motto «Science to Market» captures its goal of rapidly translating new laboratory discoveries into successful products. The CTI funds a major part of the costs of the Transferkolleg. The R&D Network for Micro- and Nanotechnology ([www.swiss-mnt-network.ch](http://www.swiss-mnt-network.ch)) is the key partner of this year's initiative.

## Contacts

Project Manager: **Karl Knop**  
[knop@satw.ch](mailto:knop@satw.ch), 079 606 52 20  
SATW Administrator: **Esther Koller-Meier**  
[transferkolleg@satw.ch](mailto:transferkolleg@satw.ch), 044 226 50 10

SATW Transferkolleg 2011

## Micro- and Nanotechnologies for Health

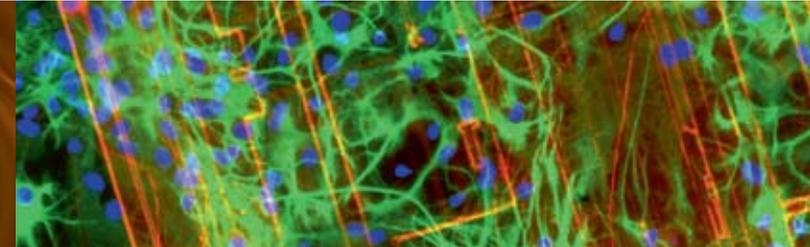
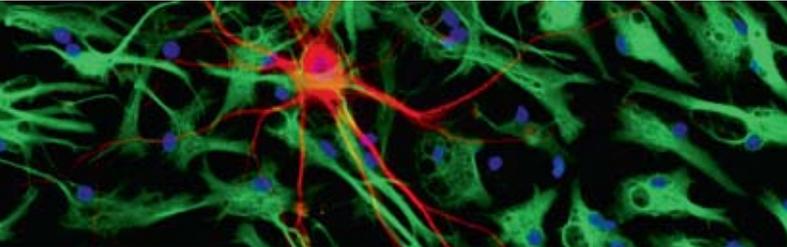
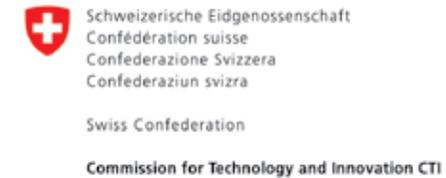
[www.satw.ch](http://www.satw.ch)

## Timeline

Submission of project proposals: **10 July 2011**

Notification of acceptance: **31 August 2011**

Workshop: **17/18 November 2011**



Images: ETH Zurich, Bio Engineering Laboratory and Bioprocess Laboratory

## The Transferkolleg at a glance

In collaboration with the Commission for Technology and Innovation (CTI), the Swiss Academy of Engineering Sciences (SATW) is issuing a call for project proposals in Micro- and Nanotechnologies for Health which have the potential for future industrial development.

The short project proposals should outline the basic idea and its possible commercial applications. Ideally, projects should be submitted jointly by partners from industry and academia (universities, ETH/EPF, universities of applied sciences, research institutions) interested in investigating possible applications. Where partners have not yet been identified, the SATW will offer its services to help establish contacts.

Funding for selected projects is set at CHF 16 000, intended to cover the cost of setting up the collaboration between academic and industrial partners. In addition to this financial support, the SATW will provide advice upon request. Furthermore, a one-and-a-half-day workshop is organised to bring together project partners with recognised experts in the field of innovation transfer.

## What you need to do

- Submit a project proposal (1–2 pages) outlining your ideas and the planned product, the estimated timeline and market potential. Please use the form available at [www.satw.ch/transferkolleg](http://www.satw.ch/transferkolleg).
- Work on the project together with your partner from academia or industry.
- Participate in the one-and-a-half-day workshop with your project partner.
- Write a brief final report (2–4 pages).

## What we will do

- Subsidise the academic partner with two payments of CHF 8 000 (this is a lump sum including VAT), while the industry partner covers his own expenses.
- Organise an exclusive workshop in Biel in November 2011 for you to meet with experts in technology transfer.
- Advise you – upon request – and observe your project's progress.

## Innovative products for health care

Micro- and Nanotechnologies (MNT) have already proven their indispensable value for applications in the health care and medical sector. MNT represent the enabling technology in many novel products and methods. Yet many more opportunities remain to be explored. Switzerland is well positioned in this worldwide rapidly growing market. This year's Transferkolleg will help identify even more opportunities and facilitate Swiss industry's access to expert know-how, technical support and the field itself.

The challenges addressed by the Transferkolleg include the following applications of Micro- and Nanotechnology:

- Sensors and actuators for human implantable devices
- Biochips and microarrays for fast chemical analysis and patient monitoring
- Miniaturised drug delivery systems
- Biocompatible surface treatment and coatings
- Novel assembly and packaging methods for medical devices
- Sustaining products for elderly people
- Smart mobile systems for health care and well-being
- Medicare equipment