

## **Transferkolleg 2007 - Industrial Biotechnology**

New developments in technology and methods as well as changed ecological and economical conditions lead to a renaissance in industrial biotechnology. According to McKinsey, biobased products will account for 10 percent of sales within the chemical industry. To reach these ambitious goals a variety of innovations, especially in biocatalysis and biosynthesis, is required. Products of Industrial Biotechnology are used in various industries (agriculture, cosmetics, detergents, diagnostics, energy, fine chemicals, food, paper and pulp, pharma and textiles, etc.) and include a variety of products, e.g. new or improved industrial enzymes, fine chemicals, solvents, nutraceuticals, pharmaceuticals, bio-pesticides or bio-materials.

To establish the production of basic and complex compounds from renewable raw materials, the industry has to accomplish enormous structural changes to introduce more and more biological processes into production. The Transferkolleg aims to support these companies at an early stage to enable feasibility studies of biotech processes in their production and to lower their threshold to use this technology.

### **Project team**

- Prof. Klaus Ragaller (president)
- Prof. Daniel Gyax (Fachhochschule Nordwestschweiz)
- Prof. Oreste Ghisalba (Novartis Pharma AG)
- Dr. Karl Knop (CSEM)
- Dr. Hans-Rudolf Zeller (Consenec AG)
- Cathy Kroll (Swiss Biotech Association)