

**UNI  
FR**

UNIVERSITÉ DE FRIBOURG  
UNIVERSITÄT FREIBURG



HEIA-FR  
HTA-FR

POLYMERE  
POLYMÈRES  
POLYMERS

CHIMIE  
CHEMISTRY  
CHEMIE

MATERIALS  
MATERIALIEN  
MATÉRIAUX

Short Talks  
& Posters

# Research & Industry Day

Lecture Halls, Pérolles II, UNIFR

16.09.2021, 13h30 – 17h30

Register (free): <https://www3.unifr.ch/form/rectorat/view.php?id=14251>



Physics & Chemistry



adolphe merkle institute  
excellence in pure and applied nanoscience



ChemTech

Institute of Chemical Technology



PLASTICS  
INNOVATION  
Competence Center

Rudolf Koopmans, Marco Lattuada, Jovana Milic, Olivier Nicolet, Barbara Rothen-Rutishauser, Albert Ruggi, Stefan Salentinig, Frank Scheffold, Ullrich Steiner, Veronique Trappe, Christoph Weder, Fabio Zobi

Speakers: Ana Akrap, Guillermo Acuna, Christophe Allemann, Christian Bernhard, Christian Bochet, Véronique Breguet Mercier, Thierry Chappuis, Michal Dabros, Alke Fink, Katharina Fromm, Dmitry Katayev,

# Program Research and Industry Day, 16.09.2021

13h30 Arrival & Registration (Bd de Pérolles 90, UniFR, Per II)

14h00 Session 1 – CHEMISTRY – BIOLOGY (Lecture Hall C120)

Welcome: Christophe Allemann

**Christophe Allemann:** ChemTech, the academic partner for your industrial success: from lab to plant

**Innosuisse:** New Flagship and other programs

**Christian Bochet:** Tester l'ADN sur le moment

**Dmitry Katayev:** Simplifying Nitration Chemistry with Bench-stable and Easily Accessible Reagents

**Stefan Salenting:** Milk goes nano: Nanostructure formation during milk digestion and implications for nutrient and drug delivery

**Véronique Breguet Mercier, Thierry Chappuis, Olivier Vorlet :** Synthesis from lab to ton scale

**Albert Ruggi:** Good kobolds: exotic photocatalysts for hydrogen production

**Barbara Rothen-Rutishauser:** Non-animal methods to predict human effects

**Roger Marti:** Process Research of a Drug Candidate for the Treatment of GM1-Gangliosidosis

**Michal Dabros:** Process Analytical Technology (PAT): applications in chemistry and bioprocessing

14h00 Session 2 – MATERIALS (Lecture Hall C140)

Welcome: Katharina M. Fromm

**Marco Lattuada:** Composite materials built from nanoparticles

**Alke Fink:** Swiss NanoAnalytics Platform – Analysis of nanomaterials in consumer products and drugs

**Ana Akrap:** Topological semimetals and their charge dynamics

**Christophe Allemann:** ChemTech, the academic partner for your industrial success: from lab to plant

**Innosuisse:** New Flagship and other programs

**Guillermo Acuna:** Fabricating hybrid structures with DNA Nanotechnology

**Jovana Milic:** A Supramolecular Approach to Renewable Energy Conversion in Hybrid Photovoltaics

**Christian Bernhard:** Growth and optical spectroscopy of complex oxide thin films and heterostructures

**Frank Scheffold:** Ink-jet printable structurally colored pigments

**Katharina Fromm:** From batteries to antimicrobial coatings and sensors

14h00 Session 3 – POLYMERS (Lecture Hall E120)

Welcome: Olivier Nicolet

**Veronique Trappe:** Mechanics and dynamics of soft solid-like systems

**Christoph Weder:** Functional Polymers

**Andreas Kilbinger:** New mechanisms for precision polymer synthesis

**Rudolf Koopmans:** Plastics for Circular Economy

**Ali Coskun:** Tailor-made Functional Polymers for Energy Storage and Environmental Applications

**Ulrich Steiner:** Functional materials made by polymer self-assembly

**Christophe Allemann:** ChemTech, the academic partner for your industrial success: from lab to plant

**Innosuisse:** New Flagship and other programs

16h: Posters, Networking, Beer and Pretzels / End

**Registration:** <https://www3.unifr.ch/form/rectorat/view.php?id=14251>