

Rigi-Workshop, where disciplines meet

Thinking Big in a Small World: Creativity in the Molecular Sciences

January 20 – 22, 2013, Rigi-Kulm

Are you interested in the *molecular world*, whether in biology or chemistry, physics or nanotechnology? Then we challenge you to reach beyond your own research.

- Learn to understand the creative processes behind scientific discoveries.
- Explore the challenges of others and ask BIGGER questions.
- Be inspired by the examples of leading scientists.
- Dare to think creatively.
- Come to Rigi.

Invited speakers:

Creative Science and

How to win a Nobel Prize

Sir Tim Hunt, biochemist and Nobel Prize winner

Chemistry with Methane: Concepts Rather than Recipes and

The Magic of Molecular Soccer: Beauty and Purpose of Curiosity-driven Research

Prof. Helmut Schwarz, physical chemist and President of the Humboldt Foundation

Aromatic Architectures: Design and Synthesis and

Passion, Pride and Purpose in Curiosity Driven Research

Prof. Jay Siegel, organic chemist exploring molecular design, chemical synthesis and dynamic stereochemistry

Parallel creative domains – Arts, Science, Nature

Prof. Daniel Schümperli, molecular biologist and member of HUGO, a musical band that transposes DNA codes and other types of genetic and biological data into music

Where does creativity come from? A Cognitive Science perspective

Prof. Elsbeth Stern, expert in knowledge transfer, intelligence and the development of mathematical cognition and scientific reasoning

This 3-day course is held in English.

PhD students from all Swiss institutions of Higher Learning are most strongly encouraged to apply. Postdoctoral applications are also considered. Applicants are asked to submit a research title/abstract and a short letter of motivation for attending before October 31st, 2012. The organizing committee will select 40 of the most outstanding applicants to participate in this workshop.

Organizer: Dr. Marc Creus and Prof. Stefan Willitsch, Department of Chemistry, University of Basel

For further information and registration: <http://biologie.scnat.ch/d/Veranstaltungen/rigi-workshop>

Presented by

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