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Swiss Nanoscience Institute

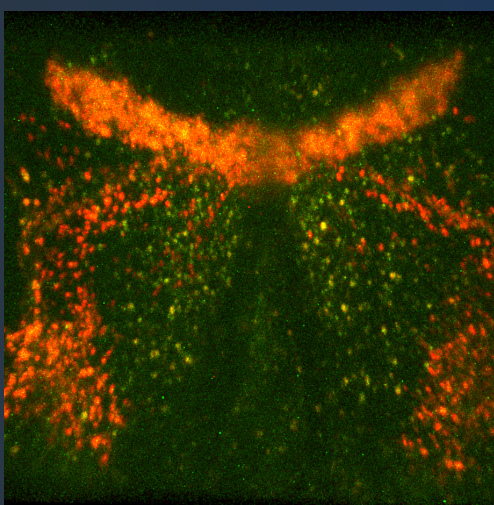
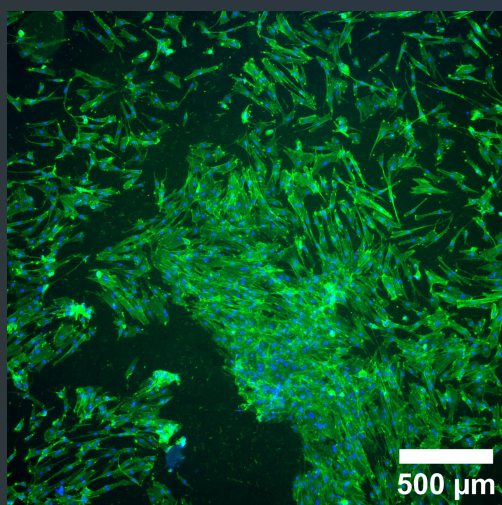
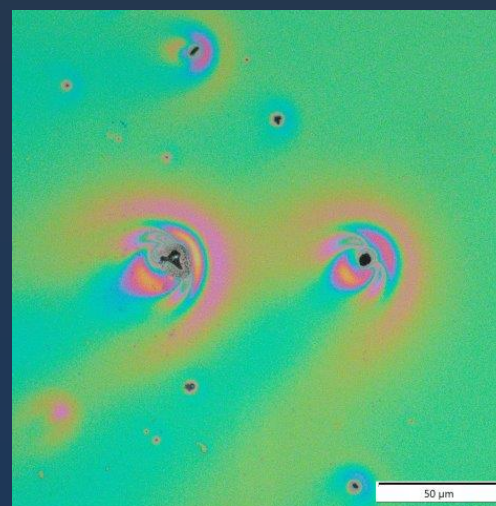
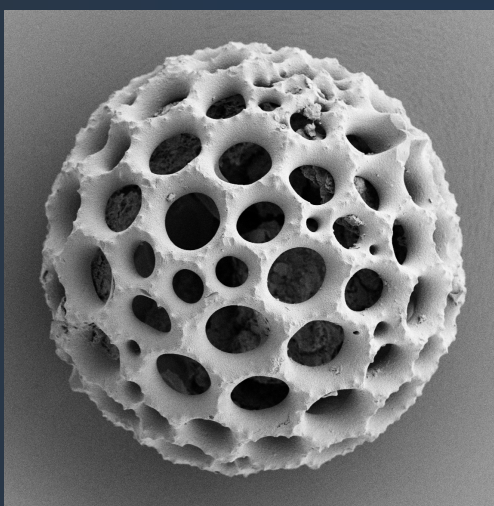
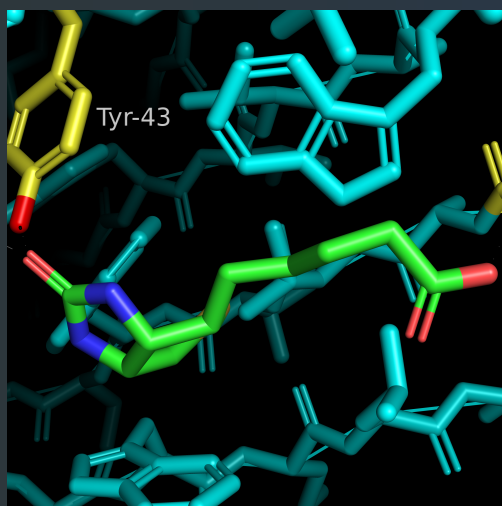


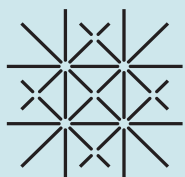
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# Small Talk

## 14. Mai 2025

Klingelbergstrasse 82, 4056 Basel  
Physik Mensa; 8:00 - 15:15





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8:00 - 8:25

## Registration and Introduction

Anja Car

8:30 - 8:45

## Artificial Metallonezymes - Protein Hosts for Transition Metal Catalysis

Sarah Vogel

8:45 - 9:00

## Studying Holliday Junction Interconversion Dynamics with Increasing Concentration of Magnesium Chloride using smFRET

Lea Studer

9:00 - 9:15

## Nanoscopic Imaging and Analysis

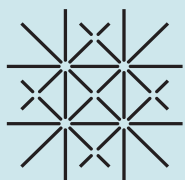
Natalie Walser

9:15 - 9:30

## Synthesis of Zr Oxo Clusters and Metal Organic Framework

Meret Benninger

Coffee Break (15 min.)



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9:45 - 10:00

Optimization of Lipid Nanoparticles for Gene  
Delivery

Louis Schulz

10:00 - 10:15

Quantum dots in a silicon-on-insulator  
nanowire

Judith Leu

10:15 - 10:30

Biophysics of water uptake in bacterial  
biofilms

Eduard Basler

10:30 - 12:00

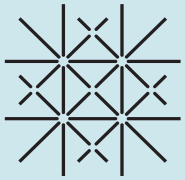
Poster Session

Lunch Break (60 min.)

13:00 - 13:15

Smart microgels for iridescent materials

Valeria Gempler



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13:15 - 13:30

Static Compensation of Magnetic  
Fluctuations in  $\text{Ca}^+$  Traps

Linus Wesp

13:30 - 13:45

$\text{SrTiO}_3$  Nano Membrane research using  
Raman Spectroscopy

Xaver Hohmann

Coffee Break (15 min.)

14:00 - 14:15

Analyzing the Stability and Capacity Limits  
of Hopfield Networks

Dominik Kaufmann

14:15 - 14:30

Thermoresponsive Polymers

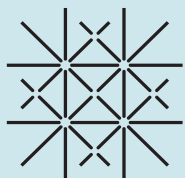
Josefine Dühnöft

14:30 - 14:45

Voltage Tuneability of Varactor Diodes on  
STO Substrate

Sarah Stalder





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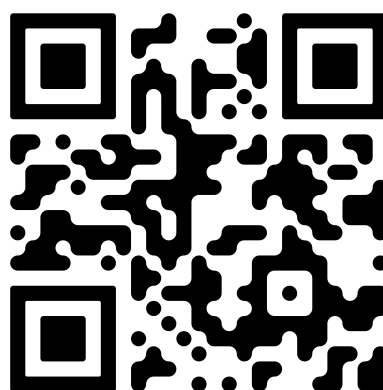
# Closing Remarks & Awards

Prof. Martino Poggio

## Nano-Merch 2025



Available at the Jubiläumsfeier 28.06



See you there See you there See you See you See you there See you there See