

XXV Swiss NMR Symposium

9:00 – 9:40 Welcome Coffee / Registration

9:40 – 9:45 Opening remarks: Sebastian Hiller

9:45 – 11:00 Session 1, Chair: Sebastian Hiller

Prof. Dr. Roland Riek, ETH Zürich, *NMR versatility from 25 to 1200 MHz*

Carla Rodrigues, University of Zurich, group Sigel, *Using NMR to Start Untangling the BCL2 RNA G-quadruplex Dynamics*

Dr. Mihajlo Novakovic, ETH Zürich, group Allain, *No labels required – Restricted diffusion of biomolecules opens up a window into phase-separated condensates*

Dr. Alfred Ross, Hoffmann LaRoche AG, *Application of NMR spectroscopy for characterization and identity testing of oligonucleotide drug molecules*

Dr. Wolfgang Jahnke, Novartis, *Bio-NMR in drug discovery at Novartis*

Prof. Dr. Geoffrey Bodenhausen, Ecole Normale Supérieure Paris, *Collective long-lived coherences in aliphatic chains: a new tool for drug screening*

11:00 – 11:30 Coffee break

11:30 – 12:35 Session 2, Chair: Stephan Grzesiek

Prof. Dr. Matthias Ernst, ETH Zürich, *Dynamics in Solid-State NMR: How Fast is Fast?*

Dr. Luc Patiny, Zakodium, *www.nmrium.org: Process NMR spectra directly in your browser*

Dr. Federico De Biasi, EPFL, group Emsley, *Optically enhanced ^1H NMR spectroscopy*

Prof. Dr. Alexander Barnes, ETH Zürich, *Magnets, microwaves, and spheres for pulsed in-cell DNP*

Dr. Aitor Moreno, Bruker BioSpin, *New broadband homonuclear decoupling NMR experiments in Topspin and Helium recovery solutions for NMR spectrometers*

12:35 – 14:30 Lunch break, poster session, 13:45 – 14:30 Site visit of Basel NMR Facility with Bruker's Helium recovery system (direct elevator to floor -3)

14:30 – 15:30 Session 3, Chair: Daniel Häussinger

Prof. Dr. Magdalena Kowalska, University of Geneva, *Recent radiation-detected NMR developments at CERN*

Prof. Dr. Peter Vermathen, University & Inselspital Bern, *^{39}K MR-Spectroscopy at 7 T in human subjects. Establishment and first applications.*

Dr. Emily Baadsvik, ETH Zürich, group Prüssmann, *Mapping the myelin bilayer with short- T_2 MRI*

Dr. Marcel Aebli, ETH Zürich, group Kovalenko, *Disorder in Cesium Lead Halide Perovskite Nanoparticles by Colloidal ^{133}Cs NMR*

Dr. Alexander Yakimov, ETH Zürich, group Copéret, *Titanium Surface Sites in Ziegler-Natta Catalysts from $^{47/49}\text{Ti}$ MAS NMR Signatures*

15:30 – 16:00 Coffee break

16:00 – 17:00 Session 4, Chair: Wolfgang Jahnke

Prof. Dr. Oliver Zerbe, University of Zurich, *Protein NMR at UZH*

Ivana Petrovic, University of Basel, group Grzesiek, *Elucidating GPCR-arrestin interactions: from multisite phosphorylation to receptor internalisation*

Dr. Alvar Gossert, ETH Zürich, *The various facets of GPCR activation and deactivation*

Alexandra Polyakova, University of Basel, group Hiller, *Interaction Mode of the Chaperone Trigger Factor with Client Proteins*

Prof. Dr. Daniel Häussinger, University of Basel, *Lanthanoide tags for PCS NMR*

17:00 – 17:05 Closing Remarks: Daniel Häussinger

17:05 – 17:10 Announcing NMR Symposium 2026 in Lausanne: Ran Wei

17:10 – Aperó

