

- P01 Layara Abiko**, University of Basel, *Biased agonism in the  $\beta$ 1-adrenergic G protein-coupled receptor is governed by conformational selection*
- P02 Saumya Badoni**, LRM/ISIC/EPFL, *Optimal sensitivity for relayed DNP at fast MAS*
- P03 Leonie Bourgeois**, University of Basel, *Design and Application of LCTs for PCS NMR spectroscopy on RNA*
- P04 Matthias Bütikofer**, ETH Zürich, *From screening to structure - Boosting NMR-based drug discovery with hyperpolarization and label-free structure determination*
- P05 Fabio Casagrande**, F. Hoffmann-La Roche Ltd, *NMR at Roche Basel: from small to large Molecules, from liquids to solids, from high to low fields*
- P06 Dib Chakif**, University of Bern, *Broadband APT (BAPT): a Versatile APT Experiment with Improved J. Compensation and Optimal Suppression of Artifacts in Cq-only Spectra*
- P07 Ray Cowen**, EPFL, *NMR Investigations of Pre-Nucleation Species in Early-Stage Calcium-Silicate-Hydrate Reaction*
- P08 Lidiia Dubenska**, ETH Zürich, *The  $^{133}\text{Cs}$  NMR as a Physical Structure Probe of Lead Halide Perovskites*
- P09 Agnes Eck**, ETH Zürich, *Lipid raft targeted DNP*
- P10 Cesar Fernandez**, Novartis Biomedical Research, *From weak to strong: an interplay between NMR, in-silico approaches and 3D structures in drug discovery*
- P11 Chukun Gao**, ETH Zürich, *Handheld 47 Tesla magnet*
- P12 Katharina Gaus**, Syngenta Crop Protection AG, Stein, *Quantification at very low limits - mapping applications by spraying robots*
- P13 Julien Grimont**, Idorsia, *NMR @ Idorsia - Overview of a unique swiss army knife in drug discovery*
- P14 Ummugulsum Gunes**, EPFL, *Atomic-level Structure Determination of Two-Dimensional Mixed Halide Perovskites by NMR Crystallography*
- P15 Annika Jagels**, LifeMine Therapeutics, *Mining the Medicines of Life: Isolation and Structure Elucidation of Fungal Natural Products*
- P16 Soumyadip Jana**, University of Zürich, *Structural and Dynamic Insights of the Minimal HDV-Like Ribozyme Drz-Mtgn-1*
- P17 Thomas Kauf**, Solvias AG, *Application of NMR in Pharmaceutical Industry*
- P18 Olivier Kirchhoffer**, University of Geneva, *Isolation and Structural Elucidation of Anti-Infective Hits from a Large Library of Plant Extracts*
- P19 Lukas Lätsch**, ETH Zürich, *NMR Signatures and Electronic Structure of Ti Sites in Titanosilicalite-1 from Solid-State  $^{47/49}\text{Ti}$  NMR Spectroscopy*
- P20 Anna Leder**, University of Basel, *PDIA6 condensates regulate ER stress signaling*
- P21 Arnelle Löbber**, ETH Zürich, *Switching off a GPCR: receptor desensitization studied at atomic resolution by NMR spectroscopy*
- P22 Nils Lorz**, ETH Zürich, *Towards New Drug Screening Approaches With and Without DNP*
- P23 Lea Marti**, ETH Zürich, *Spinning in Optical Traps: Towards Optical Magic Angle Spinning Magnetic Resonance*
- P24 Guillaume Mas**, University of Basel, *Mapping of the RAS oncogenic activation landscape*
- P25 Annika Matt**, University of Basel, *New lanthanoid chelating tags with novel scaffolds for PCS NMR spectroscopy*
- P26 Christoph Meyer**, University of Bern, *Complex I, V and MDH2 deficient human skin fibroblasts reveal distinct metabolic signatures by  $^1\text{H}$  HR-MAS NMR*
- P27 Marthe Millen**, ETH Zürich, *Control of Microwave characteristics of a 198 GHz Gyrotron for Magnetic Resonance*
- P28 Jessie Mosso**, CIBM, EPFL, *Sex- and brain region-specific  $^1\text{H}$  MRS neurometabolic profiles in young rats with hepatic encephalopathy*
- P29 Simone Poli**, MRM, University of Bern, *Tri-Nuclear MRS: Spatial dependence of hepatic glucose uptake dynamics after oral ingestion of deuterated glucose. Initial observations by Deuterium Metabolic Imaging (DMI) at 7 T*
- P30 Lauren Price**, ETH Zürich, *Advances in Spherical Rotor DNP*
- P31 Yu Rao**, EPFL, *Steady-state Hyperpolarization of  $^1\text{H}$  in Liquids by Overhauser Dynamic Nuclear Polarization with  $^{13}\text{C}$ - $^1\text{H}$  Polarization Transfer*
- P32 Pascal Rieder**, University of Basel, *Nanobody GPS by PCS: An Efficient NMR Analysis Method for G Protein Coupled Receptors and Other Large Proteins*
- P33 Marco Ruckstuhl**, ETH Zürich, *Insights into functional interactions of a GPCR, enabled by isotope labelling in mammalian cells*
- P34 Simon Rüdiger**, ETH Zürich, *Conformations of Macrocyclic Peptides Sampled by NMR: Models for Cell-Permeability*
- P35 Sebastian Sabisch**, ETH Zürich, *Probing the Electronic Structure of Lead Halide Perovskites using  $^{207}\text{Pb}$  NMR*
- P36 Emine Sager**, Novartis, *Automated Structure Verification in NMR - a forward looking technology using the data of the past*
- P37 Edward Saliba**, ETH Zürich, *Adiabatic Solid Effect Simulations for DNP at 790 GHz*
- P38 Jasmin Schoenart**, Colorado School of Mines/PhoenixNMR, *High-Resolution NMR Spinning Modules*
- P39 Amy Sparks**, CERN, *Investigating ionic interfacial diffusion in all-solid-state battery materials using  $^8\text{Li}$   $\beta$ -NMR*
- P40 Stefan Schütz**, Novartis, *Intrinsically disordered regions in the transcription factor MYC:MAX modulate DNA binding via intramolecular interactions*
- P41 Marta Stefanska**, University of Basel, *Shedding Light on Indole Derivatives: Studies of PhotoCIDNP NMR Spectroscopy*
- P42 Mark Tanchev**, EPFL, *Hack, Drill and Spin Wood for Solid-State NMR - an Apprenticeship at the NMR Platform of EPFL*
- P43 Daria Torodii**, EPFL, *Barriers to Proton Resolution in Solids*
- P44 Ran Wei**, EPFL, *Rational Design of Dinitroxide Polarizing Agents for Dynamic Nuclear Polarization to Enhance Overall NMR Sensitivity*
- P45 Guodong Weng**, University of Bern, *Simultaneous Multi-Region Detection of GABA+ and Glx using 3D Spatially Resolved SLOW-editing and EPSI-readout at 7 T*
- P46 Gabriela Stadler**, ETH Zürich, *Fragment Screening and Fast Micromolar Detection on a Benchtop NMR Spectrometer Boosted by Photoinduced Hyperpolarization*
- P47 Gyula Pálffy**, ETH Zürich, *Liquid-liquid phase separation of human hnRNP1 protein in free and RNA-bound form studied by NMR spectroscopy*
- P48 Michael Pesek**, CERN, *Radiation detected ZULF NMR spectroscopy*