

List of Posters

The posters can be set up starting Monday, Sept. 17 13h00, and will be on display for the whole conference duration until Thursday, Sept. 20 after the last talk. In the two long poster sessions, Tue 18h-20h (including Bier and Bretzel) and Wed 12h30-15h (including lunch packets), the presenters of the odd and even-numbered contributions, respectively, should be present at their posters.

Dynamics in Biological Macromolecules

P1 Probing MHC dynamics with spin relaxation

Martin Ballaschk, Monika Beerbaum, Barbara Uchanska-Ziegler, Andreas Ziegler, Peter Schmieder

P2 PELDOR on Trimeric Betaine Symporter BetP

Burkhard Endeward, Izabela Wacławska, Haleh Hashemi Haeri, Christine Ziegler, Thomas Prisner

P3 Evidence for local and allosteric water-tuned structural differences in proteins using DEER: monitoring the hydrophobic effect at the nanoscale

Jörg Reichenwallner, Yasar Akdogan, Dariush Hinderberger

P4 NMR Spectroscopic Investigations of Structure and Folding of the DNA i-motif

Anna Lena Lieblein, Janina Buck, Kai Schlepckow, Boris Fürtig, Harald Schwalbe

P5 Relaxation Dispersion of Multiple Quantum Coherences

David Schulze Sünninghausen, Burkhard Luy, Jochen Balbach

P6 Carbohydrate Recognition and Dynamics of Siglec-7

Johannes M. Pröpster, Bastian Vögeli, Corinna Landig, Frédéric H.-T. Allain, Mario Schubert

P7 Internal protein dynamics in a wide frequency range by the solid-state NMR relaxation data analysis

Tatiana Zinkevich, Alexey Krushelnitsky

P8 Conformational switch upon phosphorylation trigger ubiquitin–proteasome mediated degradation of human p19INK4D

Amit Kumar, Mohanraj Gopalaswamy, Jochen Balbach

P9 Dynamic inter-domain crosstalk determines enzyme activity

Michael Kovermann, Caroline Haupt, Matthias Altenstein, Rica Patzschke, Dana Kahra, Christian G. Hübner, Jochen Balbach

Structural Biology

P10 The Y2 Receptor in Interaction with NPY – Moving Towards Structural Studies by NMR

Peter Schmidt, Kristina Witte, Mathias Bosse, Lars Thomas, Holger A. Scheidt, Stephan Theisgen, Daniel Nietlispach, Annette G. Beck-Sickinger, Daniel Huster

P11 Preparation of an Active G Protein Coupled Receptor for Structural Investigation - A Study with a Functional Neuropeptide Receptor Type 2 *in Vitro*

Mathias Bosse, Lars Thomas, Rayk Hassert, Annette G. Beck-Sickinger, Daniel Huster, Peter Schmidt

P78 Applications of adiabatic and fast passage ultra-wideband pulses in electron paramagnetic resonance spectroscopy

Andrin Doll, Stephan Pribitzer, René Tschaggelar, Gunnar Jeschke

EPR Applications

P79 Spectroscopy, electrochemistry and structural properties of hydroxylated 2,6-dimethoxy-para-benzoquinones

Haleh H. Haeri, Rubin Gulaboski, Ivan Bogeski, Valentin Mirceski, Markus Hoth, Reinhard Kappl

P80 Spin-probing and DEER characterization of charged cylindrical dendronized polymers

Dennis Kurzbach, Daniel R. Kattinig, Baozhong Zhang, A. Dieter Schlüter, Dariush Hinderberger

P81 EPR and ENDOR study of the hydroxyapatite nanoparticles

Marat Gafurov, Timur Biktagirov, Georgy Mamin, Sergei Orlinskii, Elena Klimashina, Valery Putlayev, Alexej Zamochkin, Igor Ignatjev

P82 The super reduced state of [FeFe] hydrogenase from *Chlamydomonas reinhardtii*. A new building block in the catalytic cycle?

Agnieszka Adamska, Alexey Silakov, Camilla Lambertz, Thomas Happe, Edward Reijerse, Wolfgang Lubitz

P83 Formation and Stability of Polyelectrolyte Multilayers: An Electron Paramagnetic Resonance (EPR) Study of Spin-Labeled Polymers

Uwe Lappan, Brigitte Wiesner, Ulrich Scheler

P84 Adsorption of ^{13}CO and $^{13}\text{CO}_2$ in Zn-substituted HKUST-1 studied by EPR spectroscopy

B. Jee, M. Mendt, P. Petkov, G. Vayssilov, T. Heine, M. Hartmann, A. Pöppl

P85 Architecture of the POTRA Domains from Cyanobacterial Omp85 Revealed by PELDOR Spectroscopy

Reza Dastvan, Eva-M. Brouwer, Sevdalina Lyubenova, Oliver Mirus, Maik S. Sommer, Enrico Schleiff, Thomas F. Prisner

P86 EPR spectroscopic studies of the first open-shell Ferracyclobutadiene

E. Schubert, U. Das, M. Straßmann, A. Filippou, O. Schiemann

P87 EPR spectroscopy of semiconducting ZnO films and porous HKUST-1 thin layers

Stefan Friedländer, Rolf Böttcher, Michael Lorenz, Holger Hochmuth, Marius Grundmann, Oleg Ovchar, Anatolii Belous, Andreas Pöppl

P88 Sensitivity Improvement in FDFT THz EPR for High Spin Systems

Alexander Schnegg, Robert Bitt, Karsten Holldack

P89 Site-directed spin labeling EPR spectroscopy in vivo

Sabrina Dunkel, Lakshmi Padmavathi, Johann Klare, Heinz-Jürgen Steinhoff

P90 Investigation of the electronic structure of a Bis(silylene)-radical cation using CW- and FT-EPR spectroscopy

Andreas Meyer, Marius Arz, Martin Straßmann, Alexander C. Filippou, Olav Schiemann