

PLENARY & INVITED SPEAKERS

Jean-Pierre Ansermet (*EPFL Lausanne*)
WHEN SPINTRONICS AND MAGNETIC RESONANCE CROSS PATHS

Dmitry Budker (*Gutenberg Universität Mainz*)
HYPERPOLARIZATION AND ZERO- AND ULTRALOW-FIELD NMR

Silvia Cavagnero (*University of Wisconsin*)
MARVELS AND CHALLENGES OF LC-PHOTO-CIDNP NUCLEAR-SPIN HYPERPOLARIZATION IN LIQUIDS

Peter Hore (*Oxford University*)
RADICAL PAIR MAGNETORECEPTION: HYPERPOLARIZED BIRDS?

Matthilde Lerche (*Danmarks Tekniske Universitet*)
t.b.a.

Yoh Matzuki (*Osaka University*)
METHODS AND INSTRUMENTS FOR HIGH-FIELD MAS DNP TOWARD INTRACELLULAR STRUCTURAL BIOLOGY

Fred Mentik-Vigier (*Tallahassee National Laboratory*)
PYRROTROPOL AND DEUTERATED ASYMPOL FROM THE VIEWPOINT OF SIMULATIONS AND EXPERIMENTS

Thomas Prisner (*Goethe Universität Frankfurt*)
t.b.a.

Anna Parker (*Ulm University*)
HYPERPOLARIZED SOLUTION-STATE NMR SPECTROSCOPY VIA INTERMOLECULAR NOE UTILIZING
OVERWHELMING SOURCE MAGNETIZATION

Warren Warren (*Duke University*)
IMPROVING SABRE HYPERPOLARIZATION USING NON-INTUITIVE FIELDS AND SEQUENCES

Jim Wild (*University of Sheffield*)
HYPERPOLARIZED 129XE MRI – METHODS AND BIOMEDICAL APPLICATIONS

PROMOTED SPEAKERS

Malcolm Levitt (*University of Southampton*)
WHAT IS HYPERPOLARIZATION?

Dominik B. Bucher (*TU München*)
MICROSCALE NV-NMR ON A CHIP LOOKING FOR HYPERPOLARIZATION METHODS

Olivier Lafon (*University of Lille*)
OBSERVATION OF QUADRUPOLEAR NUCLEI NEAR SURFACES USING HIGH-RESOLUTION MAS DNP AND ULTRA-HIGH-FIELD NMR

Sami Jannin (*University of Lyon*)
DYNAMIC NUCLEAR POLARIZATION WITH POLARIZING MATRICES: FROM SILICA AND EPOXY TO CONDUCTIVE POLYMERS

James Eills (*INEC Barcelona*)
PARAHYDROGEN-INDUCED POLARIZATION FOR METABOLIC IMAGING IN ORGAN-ON-A-CHIP DEVICES

Nobuhiro Yanai (*Kyushu University*)

TRIPLET DYNAMIC NUCLEAR POLARIZATION OF BIO-RELEVANT MOLECULES BY NEW POLARIZING AGENTS

Ville-Veikko Telkki (*University of Oulu*)

SINGLE-SCAN RELAXATION AND DIFFUSION METHODS FOR HYPERPOLARIZATION APPLICATIONS

Thomas Biedenbänder (*University of Rostock*)

A 2H APPROACH TOWARDS INVESTIGATION OF METHYL DYNAMICS UNDER DNP

Stefan Glögger (*MPI Göttingen*)

PARA-HYDROGEN ENHANCED MAGNETIC RESONANCE - NEW AVENUES TO STUDY HYDROGENASES AND FOR IN VIVO APPLICATIONS

Olivier Ouari (*Aix-Marseille Université*)

BETTER BIRADICALS FOR SIGNAL ENHANCED SSNMR DNP: A CHEMICAL AFFAIR

Henrike Heise (*Helmholtz Center Jülich*)

PROTEIN FOLDING OBSERVED AT HIGH SENSITIVITY: SHEDDING LIGHT ON CHAOTIC SYSTEMS

Wolfgang Kilian (*Physikalisch-Technische Bundesanstalt Berlin*)

ROUTINE HYPERPOLARIZED ¹²⁹XE NMR UTILIZING A BENCHTOP SPECTROMETER

Charlotte Bocquelet (*University Lyon*)

PERFORMANCES OF A TABLETOP FLOW DNP POLARIZER WITH POROUS MATRICES: TOWARDS RECYCLABLE HYPERPOLARIZATION

Andrea Capozzi (*EPFL Lausanne*)

ACROSS CITIES DDNP: STRATEGIES AND CHALLENGES TO MAKE HYPERPOLARIZATION TRANSPORTABLE

Dennis Kurzbach (*University of Vienna*)

DISSOLUTION DNP ACCESS TO MATERIAL FORMATION - BOOSTING RESONANCES OF SHORT-LIVED INTERMEDIATES ABOVE THE DETECTION THRESHOLD.

Christoph Tegenkamp (*TU Chemnitz*)

ELECTRON SPIN POLARIZATION IN POLYALANINE MOLECULES IN 2D AND QUASI-1D ASSEMBLIES: THE ROLE OF COUPLING, CHIRALITY AND COORDINATION

Snædís Björgvinsdóttir (*ETH Zürich*)

DEVELOPMENT OF A 28 T HTS GYROTRON MAGNET FOR DNP

Liubov Chuchkova (*University of Mainz*)

DEPENDENCE OF PHOTOCHEMICALLY INDUCED DYNAMIC NUCLEAR POLARIZATION ON WAVELENGTH, LIGHT INTENSITY AND MAGNETIC FIELD