

MONDAY, 14<sup>TH</sup> SEPTEMBER 2015

Exhibition Open: 09:30 – 18:30  
 Registration Desk Open: 08:00 – 18:30  
 Speaker Preview Room Open: 08:00 – 18:30  
 Poster Exhibition Open: 10:20 – 18:30

9:30 – 14:50

09:30–09:45	<b>OPENING SESSION</b> Anke Kaysser-Pyzalla, <i>HZB Berlin</i> – Angela Ittel, <i>TU Berlin</i> Auditorium H0104			09:30 – 09:45
09:50–10:40	<b>PLENARY SESSION 1</b> “WHERE COLLOID SCIENCE MEETS DRUG DELIVERY; SAS AND BEYOND” Allison Paul, <i>University Cardiff, School of Chemistry, UK</i> Chair: Matthias Ballauff / Auditorium H0104			09:50 – 10:40
10:40 – 11:10	Poster Hanging Lichthof / Atrium			10:40 – 11:10
10:40 – 11:10	Coffee Break Exhibition Area			10:40 – 11:10
11:10 – 12:30	<b>ORAL PRESENTATIONS</b> <b>Mon-C1: Colloids and Complex Fluids</b> Chair: Allison Paul / Room: H0110	<b>ORAL PRESENTATIONS</b> <b>Mon-H1: Hybrid and Biomaterials</b> Chair: Ian Hamley / Room H0104	<b>ORAL PRESENTATIONS</b> <b>Mon-L1/O1: Dimensional Metrology and Other</b> Chair: Karen Edler / Room H1058	11:10 – 12:30
11:10	“MAPPING OF FLOW-INDUCED NANO-STRUCTURES IN COMPLEX FLUIDS BY COMBINING MICROFLUIDICS AND SCANNING-SAXS” Viviane Lutz-Bueno, <i>ETH Zurich Switzerland</i>	“SELF-ASSEMBLY OF PEPTIDE-POLYMER CONJUGATES IN SOLUTION: STRUCTURE & CHAIN CONFORMATIONS” Reidar Lund, <i>University of Oslo, Norway</i>	“DIMENSIONAL METROLOGY OF NANOPATTERNS WITH SMALL ANGLE X-RAY SCATTERING FOR THE SEMICONDUCTOR INDUSTRY” R. Joseph Kline, <i>National Institute of Standards and Technology, U.S.A</i>	11:10
11:30	“SAXS AND SANS STUDIES OF THE STRUCTURE OF CONCENTRATED HARD SPHERE SUSPENSIONS” Gary Bryant, <i>RMIT University, Australia</i>	“TUNABLE PEPTIDE-PHOSPHOLIPID SYSTEMS SELF-ASSEMBLY INTO BILAYERS THAT STABILISE MEMBRANE PROTEINS” Andreas Nørgård Larsen, <i>University of Copenhagen, Denmark</i>	“LIMITS OF SMALL ANGLE SCATTERING: CALCULATION OF SCATTERING PATTERN INCLUDING PHASE SHIFT BY PARTICLE AND PARTIAL COHERENT ILLUMINATION” Wolfgang Treimer, <i>Helmholtz-Zentrum Berlin, Germany</i>	11:30
11:50	“PROTEIN INCORPORATION INTO THE NANOSTRUCTURE OF BICONTINUOUS MICROEMULSIONS” Volker Urban, <i>Oak Ridge National Laboratory, United States</i>	“CYTOCHROME C ADSORPTION ONTO CORE-SHELL MICROGELS ANALYSED BY ANOMALOUS SMALL-ANGLE X-RAY SCATTERING (ASAXS)” Albrecht Petzold, <i>Helmholtz-Zentrum Berlin, Germany</i>	“SCANNING SAXS IN THE CONTEXT OF OTHER IMAGING TECHNIQUES” Oliver Bunk, <i>Paul Scherrer Institut, Switzerland</i>	11:50
12:10	“TARGET NANOPARTICLES: SANS, ASAXS, DLS OF MODULAR DRUG CARRIERS” Thomas Nawroth, <i>Gutenberg University, Germany</i>	“PROTEIN ADSORPTION ON NANOSTRUCTURED SURFACES: ACCESSING THE NANO-BIO INTERACTION BY SMALL ANGLE SCATTERING” Jens Meissner, <i>TU Berlin, Germany</i>		12:10
12:30 – 14:00	Lunch Break Exhibition Area			12:30 – 14:00
12:45 – 13:45	Lunch Session 1: canSAS Forum Room H0110		Lunch Session 2: CCP-SAS Demonstration Room H1058	12:45 – 13:45
14:00 – 14:50	<b>PLENARY SESSION 2</b> SAXS, ANOMALOUS SAXS, AND RESONANT SOFT X-RAY SCATTERING STUDIES OF NATIVE AND IRON-FORTIFIED LIQUID MILK Bridget Ingham, <i>The Mac Diarmid Institute for Advanced Materials and Nanotechnology, NZ</i> Chair: Jill Trehwella / Auditorium H0104			14:00 – 14:50

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14:50 – 15:00		Break		14:50 – 15:00	
15:00 – 16:00	<b>ORAL PRESENTATIONS</b> <b>Mon-C2: Colloids and Complex Fluids</b> Chair: Andrew Jackson / Room: H0110	<b>ORAL PRESENTATIONS</b> <b>Mon-H2: Hybrid and Biomaterials</b> Chair: Wim Bras / Room: H0104	<b>ORAL PRESENTATIONS</b> <b>Mon-S1: Structural Biology</b> Chair: Tom Weiss / Room: H1058	<b>ORAL PRESENTATIONS</b> <b>Mon-T1: Instruments and Techniques</b> Chair: Bridget Ingham / Room: H1012	15:00 – 16:00
15:00	“ORIENTATIONAL ORDER IN COLLOIDAL THIN FILMS AND CRYSTALS STUDIED BY X-RAY CROSS-CORRELATION ANALYSIS” Martin Schroer, <i>DESY, Germany</i>	“SAS STUDIES OF SELF-ASSEMBLING LIPOPEPTIDES” Ian Hamley, <i>University of Reading, United Kingdom</i>	“SANS: A POWERFUL AND UNIQUE TOOL TO PROVIDE STRUCTURAL INSIGHT INTO LARGE PROTEIN-PROTEIN AND PROTEIN-RNA COMPLEXES” Frank Gabel, <i>Institut de Biologie Structurale, France</i>	“SAXS, GISAXS AND ASAXS IN THE TENDER X-RAY RANGE” Michael Krumrey, <i>Physikalisch-Technische Bundesanstalt, Germany</i>	15:00
15:20	“ULTRATHIN GOLD NANOWIRES: GROWTH MECHANISM AND SELF-ASSEMBLY” Marianne Impéror-Clerc, <i>CNRS / Université Paris-Sud, France</i>	“CHARACTERIZING SELF-ASSEMBLED NANOPARTICLES EMPLOYED IN DRUG DELIVERY: ADVANTAGE OF ANOMALOUS SAXS” Kazuo Sakurai, <i>University of Kitakyushu, Japan</i>	“STRUCTURAL, DYNAMICAL AND FUNCTIONAL STUDY OF THE PROTEASOME ACTIVATING COMPLEX (PAN)” Ziad Ibrahim, <i>Institut de Biologie Structurale / Institut Laue-Langevin, France</i>	“OPPORTUNITIES AND CHALLENGES WITH HIGH-ENERGY COHERENT X-RAYS AT THE ESRF BEAMLINE ID10” Federico Zontone, <i>European Synchrotron Radiation Facility, France</i>	15:20
15:40	“SPACE AND CONFORMATION DESIGN ON CORE-SHELL STRUCTURED NANOCRYSTALLITES: AN IN-SITU SMALL ANGLE X-RAY SCATTERING INSPECT” Tsan-Yao Chen, <i>National Tsing Hua University, Taiwan, R.O.C.</i>	“TOWARDS TRACEABLE SIZE DETERMINATION OF BIOLOGICAL NANOPARTICLES USING SAXS” Zoltan Varga, <i>Research Centre for Natural Sciences, Hungary</i>	“STRUCTURE AND DYNAMICS OF THE INTRINSICALLY DISORDERED MYELIN BASIC PROTEIN” Andreas Stadler, <i>Forschungszentrum Jülich GmbH, Germany</i>	“LABORATORY HI-RESOLUTION GISAXS APPARATUS FOR ADVANCED NANO-STRUCTURES” Peter Siffalovic, <i>Slovak Academy of Sciences, Slovakia</i>	15:40
16:00 – 16:30		Coffe Break Exhibition Area		16:00 – 16:30	
16:30	“DOES A LOW-Q UPTURN IN ULTRA-SMALL-ANGLE SCATTERING REFLECT MATERIAL'S STRUCTURE?” Yuya Shinohara, <i>The University of Tokyo, Japan</i>	“VARIOUS NANOCELLULOSE CRYSTALS – A SHAPE AND STABILITY INVESTIGATION” Martin Uhlig, <i>Technische Universität Berlin, Germany</i>	“SMALL-ANGLE SCATTERING STUDIES OF LARGE LIPIDIC MOLECULAR MACHINES: THE A-ATPASE ASSEMBLY” Haydyn Mertens, <i>European Molecular Biology Laboratory, Germany</i>	“HIGH-FLUX SAXS INSTRUMENT WITH LIQUID METAL JET SOURCE WITH AUTOMATED SAMPLE HANDLER AND STOPPED-FLOW APPARATUS” Jan S. Pedersen, <i>Aarhus University, Denmark</i>	16:30
16:50	“SHAPE INDUCED PHASE TRANSITIONS IN CRYSTALS OF COLLOIDAL CUBES” Janne-Mieke Meijer, <i>Utrecht University, Netherlands</i>	“IN SITU SMALL ANGLE STUDIES OF ROLL-TO-ROLL COATED PEROVSKITE SOLAR CELLS” Lea Hildebrandt Rossander, <i>Technical University of Denmark, Denmark</i>	“INVESTIGATING MEMBRANE PROTEINS USING NOVEL MATCH-OUT DEUTERATED DETERGENTS AND SANS” Søren Roi Midtgaard, <i>University of Copenhagen, Denmark</i>	“NEW OPPORTUNITIES FOR TIME-RESOLVED ULTRA SMALL-ANGLE X-RAY SCATTERING AT THE ESRF” Theyencheri Narayanan, <i>European Synchrotron Radiation Facility, France</i>	16:50
17:10 – 17:20		Break		17:10 – 17:20	
17:20 – 18:10	<b>FLASH POSTER TALKS</b> <b>Mon-F-C1: Colloids and Complex Fluids</b> Posters P-C-07, P-C-20, P-C-30, P-C-56 <b>Mon-F-L1: Dimensional Metrology</b> Posters P-L-01, P-L-03, P-L-04 <b>Mon-F-I1: Interfaces and Surfaces</b> Posters P-I-14, P-I-18, P-I-20 Chair: Armin Hoell / Room: H0110	<b>FLASH POSTER TALKS</b> <b>Mon-F-H1: Hybrid and Biomaterials</b> Posters P-H-04, P-H-10, P-H-11, P-H-12, P-H-22, P-H-23 <b>Mon-D-F1: Dynamics</b> Posters P-D-01, P-D-05 Chair: Daniel Clemens / Room: H0104	<b>FLASH POSTER TALKS</b> <b>Mon-F-S1: Structural Biology</b> Posters P-S-31, P-S-32, P-S-39, P-S-48, P-S-47, P-S-50, P-S-59, P-S-62 Chair: Emanuel Schneck / Room: H1058	<b>FLASH POSTER TALKS</b> <b>Mon-F-T1: Instruments and Techniques</b> Posters P-T-09, P-T-11, P-T-15, P-T-16, P-T-26, P-T-39, P-T-46, P-T-50, P-T-51, P-T-60 Chair: Annegret Günther / Room: H1012	17:20 – 18:10
18:10 – 19:30	Poster Session (Posters with even number & Flash Talk Posters of the day) and Refreshments Lichthof / Atrium				18:10 – 19:30

➤ The plenary session's abstracts can be found on page 54.  
 All abstracts are available at [www.sas2015.org](http://www.sas2015.org)