BioSensor 2017

1st European & 10th German BioSensor Symposium

20-23 March 2017 • Potsdam • Germany

Program

Venue:
University of Potsdam, Campus Griebnitzsee, August-Bebel-Straße 89, Building 6, 14482 Potsdam

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Program overview

Time	Monday, March 20		Tuesday, March 21		Wednesday, March 22		Thursday, March 23	
09:00 am	Registration and poster mounting		Lecture hall H03		Lecture hall H03		Lecture hall H03	
			PL2 Philip N. Bartlett - *DNA detection and discrimination using electrochemical SERS*		**PL3 Hubert Girault** - *Bio-SECM of cells and tissues*		**PL4 Karsten Haupt** - *Synthetic antibody mimics and nanomaterials for biosensing*	
10:00 am			Lecture hall H02	Lecture hall H03	Lecture hall H02	Lecture hall H03	Lecture hall H02	Lecture hall H03
			KN3 S. Keller	**KN6 T. Bocklitz**	**KN9 L. Gorton**	**KN11 G.-U. Flechsig**	**KN13 A. Yarman**	**KN15 R. Schasfoort**
			O15 Guha	O30 Puiu	O45 Oberländer	O55 Rotariu	O65 Cieplak	O71 Stern
			O16 Rödiger	O31 Ramos	O46 Harnisch	O57 Miranda Castro	O66 Jetzschmann	O72 Scherbahn
11:00 am			Coffee break		Coffee break		Coffee break	
			O17 Nechaeva	O32 Schmälzlin	O47 Caviglia	O58 Sigolaeva	**KN14 M. Menger**	**KN16 A. Le Goff**
			O18 Dathe	O33 Mayer	O48 Feller	O59 Ingebrandt		
12:00 pm			O19 S.Schulze	O34 Hoang	O49 Abbandonato	O60 Tkac	O67 Zuccheri	O73 Murawska
			O20 Beyer	O35 Schäferling	O50 Bastian	O61 Welden	O68 Garcia-Cruz	O74 Gross
			O21 Pacholski	O36 Nizamov	O51 Stolwijk	O76 Schröder	O69 Ju	O75 Conzuelo
							O70 Weber	
1:00 pm			Lunch + Exhibition + Poster session 1: NANO + TIF (Authors present 1:30-2:30pm)		Lunch + Exhibition + Poster session 2: AA + CB + BB (Authors present 1:30-2:30pm)		Lecture hall H03	
	Lecture hall H03						Closing ceremony + Poster prizes + Announcement of 2nd EBS	
	Opening ceremony (Bier)							
2:00 pm	**PL1 Jürgen Popp** - *Biophotonics and biomedical spectroscopy*							
	Lecture hall H02	Lecture hall H03	**KN4 S. Scarano**	**KN7 R.J. Schneider**	**KN10 A. Lesch**	**KN12 A. Ruff**		
3:00 pm	**KN1 J. Kneipp**	**KN2 P. Skladal**	O22 Gajovic-Eichelmann	O37 Kober	O52 Lensen	O62 Mitrova		
	O1 Clement	O8 Shumyantseva	O23 Nirmalananthan	O38 Becher	O53 Solda	O63 Riegel		
	O2 Nöll	O9 Burkitt	O24 Bemetz	O39 Dame	O54 Bunea	O64 Kavanagh		
			O25 R.Schneider	O40 Cahill				
4:00 pm	Coffee break + Poster viewing		Coffee break		Coffee break			
			KN5 K. de Wael	**KN8 P. Wagner**	Social event (Visit of Sanssouci Palace with bus transfer - registration necessary)			
5:00 pm	O3 Suranti	O10 Giannetto	O26 Kopiec	O41 Matysiak-Brynda				
	O4 Belicky	O11 Kurbanoglu	O27 Ngandili	O42 Riedel				
	O5 Stieger	O12 Weigel	O28 Laux	O43 Barreda-Garcia				
	O6 Bollela	O13 Serafin	O29 Campuzano	O44 H.Schulze				
	O7 Kröner	O14 Kowalczyk						
6:00 pm	Lecture hall H03		Poster viewing + Exhibition					
	Evening Lecture - Wolfgang Schuhmann							
7:00 pm	Poster viewing + Exhibition + Get together							
8:00 pm					Conference dinner (Campus Griebnitzsee)			

PL: Plenary lecture
KN: Keynote lecture
O: Oral presentation

Session topics overview:

NANO: Nanotechnology, surface engineering and bioelectronics
AA: Advances in applications
TIF: Technologies for innovative formats
CB: Cell biosensors
BB: Bioengineered and biomimetic recognition elements

Monday, March 20		
11:00 am – 1:30 pm	Registration and poster mounting	
1:30 pm – 1:45 pm	**Opening ceremony**	
1:45 pm – 2:30 pm	**Plenary lecture (Room H03)** Chair: F. Bier **Jürgen Popp**, Friedrich Schiller University Jena, Germany (PL1) *Biophotonics and biomedical spectroscopy*	
	NANO - Biophotonics (Room H02) Chair: T. Bocklitz	**AA - Biosensors for biomarkers (Room H03)** Chair: M. Schöning
2.45 pm – 3:15 pm	**Keynote lecture** **Janina Kneipp**, Humboldt Universität zu Berlin, Germany (KN1) *One- and two-photon excited surface-enhanced Raman scattering for biosensing*	**Keynote lecture** **Petr Skládal**, Masaryk University, Czech Republic (KN2) *Immunosensing of pathogens using piezoelectric, electrochemical and surface plasmon resonance based transducers*
3:15 pm – 3:30 pm	**Jean-Emmanuel Clément**, University Bourgogne Franche-Comté, France (O1) *Temporal fluctuations of single protein by dynamical SERS*	**Victoria Shumyantseva**, Russian Federation (O8) *Electrochemical methods in biochemical and biomedical investigations*
3:30 pm – 3:45 pm	**Gilbert Nöll**, University of Siegen, Germany (O2) *New strategies for the label-free optical detection of oligonucleotides or antibodies with surface plasmon fluorescence spectroscopy*	**Richard Burkitt**, Leeds Beckett University, United Kingdom (O9) *Film and electrical signal optimisation for carbon pad printed electrodes to detect ferro/ferricyanide redox probes and pathogenically relevant pyocyanin*
3:45 pm – 4:45 pm	Coffee break + Poster viewing	
	NANO - Bioelectronics (Room H02) Chair: L. Gorton	**AA - Biosensors for biomarkers (Room H03)** Chair: A. Baeumner
4:45 pm – 5:00 pm	**Emmanuel Suraniti**, Max Planck Institute for Intelligent Systems, Germany (O3) *On-chip enzymatic micro biofuel cell-powered integrated circuit*	**Marco Giannetto**, University of Parma, Italy (O10) *Competitive amperometric immunosensor for determination of p53 protein in urine with carbon nanotubes/gold nanoparticles screen printed electrodes: a rapid and noninvasive screening tool for early diagnosis of bladder carcinoma*
5:00 pm – 5:15 pm	**Stefan Belicky**, Slovak Academy of Sciences, Slovak Republic (O4) *Electrochemical lectin biosensor: A perspective approach to prostate cancer diagnostics*	**Sevinc Kurbanoglu**, Ankara University, Turkey (O11) *Electrochemical nanobiosensor for the tyrosinase inhibition via phosphodiesterase type 5 inhibitor: sildenafil*
5:15 pm – 5:30 pm	**Kai Stieger**, Technical University of Applied Sciences Wildau, Germany (O5) *Effective strategies for the integration of photosystem I into photobioelectrodes by means of cytochrome c*	**Wilfried Weigel**, Scienion AG Berlin, Germany (O12) *Biofunctionalization as key step in biosensor applications – From R&D to highthroughput manufacturing*

5:30 pm – 5:45 pm	**Paolo Bollella**, Sapienza University of Rome, Italy (O6) *Self-powered and portable biosensor based on CtCDH C291Y deposited onto AuNPs-carbon electrodes for glucose detection*	**Verónica Serafín**, University Complutense of Madrid, Spain (O13) *Novel electrochemical immunoplatforms for the determination of emerging cardiac biomarkers*
5:45 pm – 6:00 pm	**Felix Julian Kröner**, TU Dresden, Germany (O7) *Biophysical analysis of Cas9 – DNA interactions and enzymatic activity with the switchSENSE biosensor platform*	**Agata Kowalczyk**, University of Warsaw, Poland (O14) *DNA hybridization biosensor based on changes of volume phase transition temperature of hydrogel*
6:15 pm – 7:00 pm	**Evening lecture (Room H03)** Chair: G. Gauglitz **Wolfgang Schuhmann**, Ruhr-Universität Bochum, Germany *From reagentless biosensors to biofuel cells and photobiovoltaics*	
7:00 pm – 9:00 pm	Poster viewing + Exhibition + Get together	

Tuesday, March 21		
9:00 am – 9:45 am	**Plenary lecture (Room H03)** Chair: U. Wollenberger **Philip N. Bartlett**, University of Southampton, United Kingdom (PL2) *DNA detection and discrimination using electrochemical SERS*	
	TIF - Structures (Room H02) Chair: J. Emneus	**TIF - Modeling (Room H03)** Chair: T. Bachmann
10:00 am – 10:30 am	**Keynote lecture** **Stephan S. Keller**, Technical University of Denmark (KN3) *Pillars, beams, strings and scaffolds - Sensing with micro- and nanofabricated structures*	**Keynote lecture** **Thomas Bocklitz**, Friedrich Schiller University Jena, Germany (KN6) *Investigation and construction of analysis routines for Raman-effect related data*
10.30 am – 10:45 am	**Subhajit Guha**, IHP, Germany (O15) *CMOS compatible THz biosensing platform based on Germanium plasmonic antennas*	**Mihaela Puiu**, University of Bucharest, Romania (O30) *Uni – and multivariate data analysis for predicting the sensor output during the specific binding of large analytes to functionalized gold surfaces of plasmonic and acoustic devices*
10:45 am – 11:00 am	**Stefan Rödiger**, BTU Cottbus-Senftenberg, Germany (O16) *Simultaneous multiparamteric analysis of biomarkers on combined microbead-cell arrays*	**Inês I. Ramos**, Universidade do Porto, Portugal (O31) *Development of automated immunosensing methods for clinical and environmental analysis using lab-on-valve platforms*
11:00 am – 11:30 am	Coffee break	
	NANO - Biophotonics (Room H02) Chair: R. Schaasfort	**AA - Imaging and sensing (Room H03)** Chair: C. Hille
11:30 am – 11:45 am	**Natalia Nechaeva**, Institute of Biochemical Physics RAS, Russian Federation (O17) *New SERS-substrate for cholinesterase detection*	**Elmar Schmälzlin**, Leibniz-Institut für Astrophysik Potsdam, Germany (O32), *Raman imaging of skin samples with integral field spectroscopy*
11:45 am – 12:00 pm	**André Dathe**, Leibniz-Institute of Photonic Technology, Germany (O18) *Electrically-driven plasmons in hybrid nanostructures*	**Michael Mayer**, Universität Regensburg, Germany (O33) *Multiple detection electrochemiluminescence (ECL) for biosensing*
12:00 pm – 12:15 pm	**Sven Schulze**, University of Potsdam, Germany (O19) *Development of a label free fiber optical biosensor based on etched fiber Bragg grating technique*	**Hoa Thi Hoang**, University of Potsdam, Germany (O34) *FRET-based immunoassay using anti-TAMRA-antibodies coupling to liposomes and a DBD dye derivative*
12:15 pm – 12:30 pm	**Sebastian Beyer**, Bundesanstalt für Materialforschung und -prüfung, Germany (O20) *Colloidal metalorganic frameworks as novel biofunctional nanoparticles for immunoassay applications*	**Michael Schäferling**, Bundesanstalt für Materialforschung und -prüfung, Germany (O35) *Sensing and imaging of intracellular pH using photon upconversion based nanoprobes*

12:30 pm – 12:45 pm	**Claudia Pacholski**, University of Potsdam, Germany (O21) *Optical sensors based on periodic hole arrays in metallic films*	**Shavkat Nizamov**, BTU Cottbus-Senftenberg, Germany (O36) *Advanced wide-field surface plasmon microscopy of single adsorbing nanoparticles: analytics in complex biological media and electrochemical characterisation*
12.45 pm – 2.30 pm	Lunch + Exhibition **Poster session 1** (Authors present 1:30 pm – 2:30 pm)	
	NANO - Surfaces (Room H02) Chair: A. Lesch	**TIF - Pathogens (Room H03)** Chair: G. Proll
2:30 pm – 3:00 pm	**Keynote lecture** **Simona Scarano**, University of Florence, Italy (KN4) *Composite plasmonic nanomaterials for cheap, versatile and smart LSPR-based (bio)sensing applications: recent advances*	**Keynote lecture** **Rudolf J. Schneider**, Bundesanstalt für Materialforschung und -prüfung, Germany (KN7) *Fluorescence polarization immunoassays - Comparison of platforms*
3:00 pm – 3:15 pm	**Nenad Gajovic-Eichelmann**, Fraunhofer IZI-BB, Germany (O22) *Peptide decorated electropolymer films for biosensors: Comparison of different strategies for oriented peptide immobilization*	**Catharina Kober**, Technical University of Munich, Germany (O37) *Culture-independent serotyping of L. pneumophila in water and urine samples*
3:15 pm – 3:30 pm	**Nithiya Nirmalananthan**, Bundesanstalt für Materialforschung und -prüfung, Germany (O23) *Photometric methods for the quantification of functional groups on particle surfaces*	**Gunther Becher**, BecherConsult, Germany (O38) *MCC-IMS spectral analyses of headspaces from bacterial cultures for rapid identification of bacterial infections*
3:30 pm – 3:45 pm	**Jonas Bemetz**, Technical University of Munich, Germany (O24) *A low-cost minimal-step preparation method for mass production of antibody microarrays from polycarbonate*	**Gregory Dame**, Brandenburg Medical School Theodor Fontane, Germany (O39) *Point of care diagnostics for rapid detection of infectious diseases in water*
3:45 pm – 4:00 pm	**Ralf Schneider**, Bundesanstalt für Materialforschung und -prüfung, Germany (O25) *Investigation and control of protein adsorption through plasmonic interaction of fluorophore labelled proteins like BSA and metal nanoparticles*	**Brian P. Cahill**, Institut für Bioprozess- und Analysenmesstechnik, Heilbad Heiligenstadt, Germany (O40) *Dose response screening of C. vaccinii using impedimetric sensing of microfluidic droplets*
4:00 pm – 4:30 pm	Coffee break	
	NANO - Bioelectronics (Room H02) Chair: P. Skládal	**TIF - Bioelectronics (Room H03)** Chair: M. Minunni
4:30 pm – 5:00 pm	**Keynote lecture** **Karolien De Wael**, University of Antwerp, Belgium (KN5) *Molecular photosensitizers: emerging (bio)analytical sensing tools*	**Keynote lecture** **Patrick Wagner**, University of Leuven, Belgium (KN8) *Bio- and biomimetic sensors based on impedance spectroscopy and thermal boundary effects*
5:00 pm – 5:15 pm	**Gabriel Bruno Kopiec**, Ruhr-University Bochum, Germany (O26) *Electrochemical phosphate sensor based on two bioelectrocatalytic and one electrocatalytic oxidation cascade with "on-demand" 4 to 6 electrons per analyte molecule*	**Edyta Matysiak-Brynda**, University of Warsaw, Poland (O41) *Novel transferrin immunosensor based on its paramagnetic properties*

5:15 pm – 5:30 pm	**Peter Munyao Ndangili**, University of the Western Cape, South Africa (O27) *Electrochemical signaling of 5-enolpyruvylshikimate-3-phosphate synthase GMO plant biomarker*	**Marc Riedel**, Technical University of Applied Sciences Wildau, Germany (O42) *Connecting quantum dots with enzymes: Mediator-based approaches for the light-directed detection of glucose and fructose*
5:30 pm – 5:45 pm	**Eva-Maria Laux**, Fraunhofer IZI-BB, Germany (O28) *Detection of dielectrophoretically accumulated bacteria at nanoelectrode arrays by surface enhanced Raman spectroscopy*	**Susana Barreda-García**, Universidad de Oviedo, Spain (O43) *A robust indium-tin-oxide platform for the electrochemical detection of Salmonella*
5:45 pm – 6:00 pm	**Susana Campuzano**, Universidad Complutense de Madrid, Spain (O29) *Electrochemical sensing of biomarkers for early detection of cancer using molecular biosensors*	**Holger Schulze**, The University of Edinburgh, United Kingdom (O44) *Electrochemical biosensor platform for rapid antimicrobial resistance testing at point-of-care*
6:00 pm – 7:30 pm	Poster viewing + Exhibition	

Wednesday, March 22

9:00 am – 9:45 am	**Plenary lecture (Room H03)** Chair: F. Lisdat **Hubert Girault**, EPFL Valais Wallis, Switzerland (PL3) *Bio-SECM of cells and tissues*	
	CB - Bioelectronics (Room H02) Chair: A. Le Goff	**NANO - DNA and polyelectrolytes (Room H03)** Chair: F. Lisdat
10:00 am – 10:30 am	**Keynote lecture** **Lo Gorton**, Lund University, Sweden (KN9) *Electrochemical study of the extracellular electron transfer of wild type and mutants of Enterococcus faecalis to electrodes*	**Keynote lecture** **Gerd-Uwe Flechsig**, University at Albany, SUNY, United States of America (KN11) *Redox-induced switching of DNA-layers observed on a millisecond timescale by means of electrochemical quartz crystal microbalance*
10.30 am – 10:45 am	**Jan Oberländer**, FH Aachen, Germany (O45) *Functionalized spore-based biosensor to evaluate gaseous sterilization processes*	**Lucian Rotariu**, University of Bucharest, Romania (O55) *New strategies for dehydrogenase biosensors based on nanostructured polyelectrolytes composite materials*
10:45 am – 11:00 am	**Falk Harnisch**, Helmholtz-Centre for Environmental Research - UFZ, Germany (O46) *Electroactive biofilms as recognition element for anaerobic digestion: Sensing of volatile fatty acids (VFAs)*	**Rebeca Miranda-Castro**, Universidad de Oviedo, Spain (O57) *Direct electrochemical detection of waterborne pathogen's 16S rRNA using thioaromatic-based oligonucleotide monolayers*
11:00 am – 11:30 am	Coffee break	
	CB - 3D (Room H02) Chair: J. Wegener	**NANO - Applications (Room H03)** Chair: S. Scarano
11:30 am – 11:45 am	**Claudia Caviglia**, Technical University of Denmark, Denmark (O47) *Three-dimensional sensing scaffold for bone cells studies*	**Larisa V.Sigolaeva**, M.V. Lomonosov Moscow State University, Russian Federation (O58) *Nanosized polymeric films for design of advanced biosensor systems*
11:45 am – 12:00 pm	**Karl-Heinz Feller**, Ernst-Abbe-Hochschule Jena, Germany (O48) *Towards 3D cell cultures as an alternative for irritation tests*	**Sven Ingebrandt**, University of Applied Sciences Kaiserslautern, Germany (O59) *Silicon nanowire biosensor platform to electronically sense biomolecules in physiological buffer concentration*
12:00 pm – 12:15 pm	**Gerardo Abbandonato**, NEST, Scuola Normale Superiore and Istituto Nanoscienze - CNR, Italy (O49) *Dual probe for biological dynamic processes*	**Jan Tkac**, Slovak Academy of Sciences, Slovak Republic (O60) *Nanoscale controlled architecture of biosensors for glycan recognition applied in diagnostics*
12:15 pm – 12:30 pm	**Philipp U. Bastian**, University of Potsdam, Germany (O50) *Multiplexed targeting of cells and tissue – novel surface-modulated upconversion nanoparticles for biosensing and -imaging*	**Rene Welden**, FH Aachen, Germany (O61) *Light-addressable lab-on-a-chip-based analysis platform*
12:30 pm – 12:45 pm	**Judith Anthea Stolwijk**, University of Regensburg, Germany (O51) *Tuning the potential of whole-cell impedance assays to assess the activity of pathway-biased GPCR ligands*	**Uwe Schröder**, Technische Universität Braunschweig, Germany (O76) *Material and structural aspects of microbial biofilm electrodes*
12.45 pm – 2:30 pm	Lunch + Exhibition **Poster session 2** (Authors present 1:30 pm – 2:30 pm)	

	CB - Diagnostics (Room H02) Chair: A. Yarman	**NANO - Surfaces (Room H03)** Chair: N. Plumeré
2:30 pm – 3:00 pm	**Keynote lecture** **Andreas Lesch**, EPFL Valais Wallis, Switzerland (KN10) *Portable POC diagnostics using inkjet printed sensor plates*	**Keynote lecture** **Adrian Ruff**, Ruhr-Universität Bochum, Germany (KN12) *Design strategies for (redox-)polymers for the immobilization of enzymes on electrode surfaces*
3:00 pm – 3:15 pm	**Marga C. Lensen**, Technische Universität Berlin, Germany (O52) *Unique micro- and nano-patterns of gold nanoparticles on PEG-based hydrogels*	**Biljana Mitrova**, University of Potsdam, Germany (O62) *Effect of the molybdenum coordination sphere in TMAO reductase revealed by direct bioelectrocatalysis*
3:15 pm – 3:30 pm	**Alice Soldà**, University of Bologna, Italy (O53) *Development of enzyme-based microsensors for ex vivo analyses*	**Anna-Lena Riegel**, Karlsruhe Institute of Technology, Germany (O63) *Impact of shearing and drying on the catalytic activity of enzyme for biosensor applications*
3:30 pm – 3:45 pm	**Ada-Ioana Bunea**, Technical University of Denmark, Denmark (O54) *Carbon coated optical fibre for dopamine detection from cells*	**Paul Kavanagh**, Queens University Belfast, United Kingdom (O64) *Mediated enzyme electrodes for electrochemical biosensing at low overpotentials*
3:45 pm – 4:15 pm	Coffee break	
4:15 pm – 7:00 pm	**Social event** (Visit of Sanssouci Palace with bus transfer – registration necessary)	
7:30 pm	**Conference dinner** (Campus Griebnitzsee, Building 6, Canteen)	

Thursday, March 23		
9:00 am – 9:45 am	**Plenary lecture (Room H03)** Chair: F. Scheller **Karsten Haupt**, Compiègne University of Technology, France (PL4) *Synthetic antibody mimics and nanomaterials for biosensing*	
	BB - MIPs (Room H02) Chair: F. Scheller	**AA - SPR (Room H03)** Chair: U. Resch-Genger
10:00 am – 10:30 am	**Keynote lecture** **Aysu Yarman**, Turkish-German University, Turkey (KN13) *Enzymes for MIPs & MIPs for enzymes*	**Keynote lecture** **Richard Schasfoort**, University of Twente, Netherlands (KN15) *Overview of 25 years of commercial label free biomolecular interaction analysis*
10.30 am – 10:45 am	**Maciej Cieplak**, Polish Academy of Sciences, Poland (O65) *Semi-covalent imprinting for selective protein sensing at a femtomolar concentration level*	**Daniel Stern**, Robert Koch-Institut, Germany (O71) *Simultaneous differentiation and quantification of ricin and agglutinin by an antibody-sandwich surface plasmon resonance sensor*
10:45 am – 11:00 am	**Katharina J. Jetzschmann**, University Potsdam, Germany (O66) *Subunit-imprinting of the multidomain cytochrome P450 BM3*	**Vitali Scherbahn**, BTU Cottbus-Senftenberg, Germany (O72) *Application of wide field surface plasmon microscopy for investigation of biological micro- and nano-objects*
11:00 am – 11:30 am	Coffee break	
	BB - MIPs and aptamers (Room H02) Chair: P. Wagner	**NANO - Bioelectronics (Room H03)** Chair: I. Kurochkin
11:30 am – 12:00 pm	**Keynote lecture** **Marcus Menger**, Fraunhofer IZI-BB, Germany (KN14) *Aptamers as specific recognition elements in biosensors*	**Keynote lecture** **Alan Le Goff**, Université Grenoble Alpes, France (KN16) *Functionalized nanomaterials for oxygen reduction by multicopper oxidases: control of enzyme orientation and electron transfer pathway*
12:00 pm – 12:15 pm	**Giampaolo Zuccheri**, University of Bologna, Italy (O67) *Self-assembled functional DNA nanostructures as intracellular biosensors in single live human cells*	**Magdalena Murawska**, University of Bordeaux, France (O73) *Designing highly organized porous electrodes for miniaturized biofuel cells*
12:15 pm – 12:30 pm	**Alvaro Garcia-Cruz**, Polish Academy of Sciences, Poland (O68) *N-nitrosamine toxin determination in processed meat using a conducting thiosalenCo(III) molecularly imprinted polymer (MIP)*	**Andrew James Gross**, Université Grenoble Alpes, France (O74) *Redox-embedded buckypapers for portable glucose sensing and biofuel cell applications*
12:30 pm – 12:45 pm	**Huangxian Ju**, Nanjing University, China (O69) *Biorecognition for selective biosensing of intracellular biomolecules*	**Felipe Conzuelo**, Ruhr-Universität Bochum, Germany (O75) *Simultaneous collection of H_2O_2 and O_2 for the evaluation of light-induced stress of PS1 photocathodes by means of SPECM*
12:45 pm – 1:00 pm	**Patricia Weber**, University of Tübingen, Germany (O70) *In-line monitoring of antibiotics in fermentation processes with a biomimetic optical senor*	
1:15 pm – 1:45 pm	**Closing ceremony** **Poster prizes + Announcement of 2nd EBS**	