

# French-Polish Chemistry Congress

Paris, 4-6 July 2019

ANNÉE SCIENTIFIQUE  
FRANCO-POLONAISE  
2019

# FRENCH-POLISH CHEMISTRY CONGRESS






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# FRENCH-POLISH CHEMISTRY CONGRESS CONFERENCE PROGRAM

## Thursday 4<sup>th</sup> - Embassy of the Republic of Poland in Paris

18:30 OPENING CEREMONY

18:45 **Prof. KRZYSZTOF MATYJASZEWSKI**, Carnegie Mellon University, Pittsburgh,  
Lodz University of Technology  
*MACROMOLECULAR ENGINEERING BY TAMING FREE RADICALS*

## Friday 5<sup>th</sup> - Sorbonne University

### SESSION 1

Chairmen: Prof. Lukasz Albrecht, Prof. Florian Monnier

10:00 **Prof. BRUNO AMÉDURI**, Institute Charles Gerhardt, ENSCM, CNRS, Montpellier  
*2-TRIFLUOROMETHACRYLIC ACID (MAF) VERSATILE MONOMER FOR  
THE INSERTION OF FUNCTIONAL GROUPS IN PVDF*

10:30 **Prof. Teofil Jesionowski**, Poznan University of Technology  
*FROM HYBRID MATERIALS TO BIOTECHNOLOGY AND NANOMEDICINE*

10:45 **Dr. Yvain Nicolet**, Institut de Biologie Structurale, Grenoble  
*MECHANISM OF THE TRYPTOPHAN LYASE NosL*

11:00 **Prof. Bronisław Marciniak**, CAT, Adam Mickiewicz University, Poznań  
*PHOTOOXIDATION OF METHIONINE-CONTAINING PEPTIDES: FROM MODEL  
COMPOUNDS TO PROTEINS – MECHANISTIC STUDIES*

11:15 **Prof. Will Skene**, Université de Montréal  
*TOWARDS EXTENDED DUTY CYCLE OF ELECTROCHROMIC MATERIALS*

11:30 **Prof. Wojciech Macyk**, Jagiellonian University, Kraków  
*SELECTED APPROACHES TO PHOTOCATALYTIC CARBON DIOXIDE FIXATION*

11:45 **Prof. Anna Chrostowska**, Université de Pau et des Pays de l'Adour  
*THE SYNERGY BETWEEN THEORY AND EXPERIMENT IN DEVELOPING THE  
BASIC SCIENCE OF NEW BN HETEROAROMATICS*

12:00 **Prof. Mitosz Pawlicki**, University of Wrocław  
*ORGANOBORON COMPLEXES IN THE EDGE SHARING MACROCYCLES – THE  
TRIPHRYN(2.1.1)-TETRAPHYRIN(1.1.1.1) HYBRID*

12:15 **Prof. Mihail Barboiu**, Institut Europeen des Membranes, ENSCM, CNRS, Montpellier  
*ARTIFICIAL WATER CHANNELS*

12:30 **LUNCH BREAK**

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## SESSION 2

Chairmen: Prof. Regis Gauvin, Prof. Bogdan Marciniec

- 14:30** **Prof. ADAM PRONŃ**, Warsaw University of Technology  
*NONTOXIC SEMICONDUCTOR NANOCRYSTALS FOR ELECTRONICS AND BIOMEDICINE – SYNTHESIS AND FUNCTIONALIZATION*
- 15:00** **Prof. Katarzyna Matczyszyn**, Wrocław University of Science and Technology  
*PHOTOACTIVE SYSTEMS BASED ON PHOTOCHROMES AND BIOMOLECULES*
- 15:15** **Prof. Mathias Destarac**, IMRCP, Université Toulouse 3 Paul Sabatier, CNRS  
*THIOLACTONE-FUNCTIONAL REVERSIBLE-DEACTIVATION RADICAL POLYMERIZATION AGENTS FOR ADVANCED MACROMOLECULAR ENGINEERING*
- 15:30** **Prof. Agnieszka Z. Wilczewska**, University of Białystok  
*COPOLYMERS WITH LIPID MOIETIES AS DRUG CARRIERS*
- 15:45** **Dr. Till Bousquet**, University of Lille, CNRS  
*VISIBLE-LIGHT-MEDIATED HYDROXYCARBONYLATION OF DIAZONIUMS SALTS*
- 16:00** **SHORT BREAK**

## SESSION 3

Chairmen: Prof. Anna Chrostowska, Prof. Łukasz John

- 16:15** **Prof. Beata Nowicka**, Jagiellonian University, Kraków  
*THIN FILMS OF SOLVATOMAGNETIC CN-BRIDGED COORDINATION POLYMERS*
- 16:30** **Dr. Tadeusz M. Muzioł**, Nicolaus Copernicus University in Toruń  
*STRUCTURAL AND MAGNETIC STUDIES OF COMPLEXES IN SYSTEMS CONTAINING  $[Cr/Fe(ox)]^3$  AND  $[Cu(bpy/phen)]_2^{2+}$  UNITS*
- 16:45** **Prof. David Virieux**, ICGM, ENSCM, CNRS, Montpellier  
*WHAT ARE THE FRONTIERS OF ATROPOCHIRALITY?*
- 17:00** **Dr. Karolina Pułka-Ziach**, University of Warsaw  
*ELECTRON TRANSPORT THROUGH HELICOMIMETIC OLIGOUREA FOLDAMERS*
- 17:15** **Dr. Roza Szweda**, ISIS, University of Strasbourg, CNRS  
*SEQUENCE-DEFINED POLYMERS – A NEXT GENERATION DATA STORAGE MEDIUM*
- 17:30** **Dr. Justyna Walkowiak-Kulikowska**, Adam Mickiewicz University, Poznań  
*SYNTHESIS OF FLUORINATED STYRENE DERIVATIVES AND ITS APPLICATION FOR PREPARING AROMATIC FLUOROPOLYMERS*



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Saturday 6<sup>th</sup> - Polish Academy of Sciences  
Scientific Center in Paris

## SESSION 4

Chairmen: Prof. Izabela Nowak, Prof. Mihail Barboiu

- 10:00 Prof. MIR WAIS HOSSEINI**, Institut Le Bel, University of Strasbourg  
*WELDING CRYSTALS*
- 10:30 Prof. Krzysztof Woźniak**, University of Warsaw  
*EXPERIMENTAL CHARGE DENSITY DISTRIBUTION IN GROSSULAR UNDER HIGH PRESSURE*
- 10:45 Dr. Yvan Six**, L50, CNRS, ENSTA, Ecole polytechnique, IP Paris, Palaiseau  
*BICYCLIC AMINOCYCLOPROPANES AS PRECURSORS OF VARIOUS NITROGEN CONTAINING POLYCYCLIC SYSTEMS*
- 11:00 Dr. Bartosz Szyszko**, University of Wrocław  
*CHIRAL PHENANTHRIOPORPHYRINOIDS*
- 11:15 Prof. Richard Daniellou**, Université d'Orléans  
*CHEMO-ENZYMATIC SYNTHESIS OF A SIMPLE THIOTALACTOLIPIDE FORMING RESPONSIVE HYDROGEL FOR THE LIBERATION OF COSMETIC AGENTS*
- 11:30 Prof. Robert Podgajny**, Jagiellonian University, Kraków  
*SHAPING PROPERTIES BY PLAYING WITH CYANIDE-BRIDGED COORDINATION BACKBONES*
- 11:45 Dr. Kamila B. Muchowska**, ISIS, Université de Strasbourg, CNRS  
*SYNTHESIS AND BREAKDOWN OF UNIVERSAL METABOLIC PRECURSORS PROMOTED BY IRON*
- 12:00 COFFEE BREAK**

## SESSION 5

Chairmen: Prof. Valerie Marvaud, Prof. Miłosz Pawlicki

- 12:30 Prof. Marek Samoć**, Wrocław University of Science and Technology, NCN  
*MULTIPHOTON ABSORPTION IN MOF-BASED NLO PIGMENTS AS A TOOL FOR BETTER REMOTE TEMPERATURE MEASUREMENTS*
- 12:45 Dr. Mickaël Ménand**, Sorbonne Université, CNRS, IPCM, Paris  
*CHIRAL COMMUNICATIONS IN A THREE-LEVEL CHIRALITY TOTEM. REMOTE CONTROL OF THE MÖBIUS AROMATIC TWISTING IN HEXAPHYRIN CYCLODEXTRIN HYBRIDS*

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- 13:00** **Prof. Łukasz Albrecht**, Łódź University of Technology  
*VINYLOGY CONCEPT IN THE SYNTHESIS OF SELECTED CARBO- AND HETEROCYCLES*
- 13:15** **Dr. Paweł Dydio**, ISIS, University of Strasbourg, CNRS  
*DUAL-CATALYTIC SYSTEMS FOR FUNCTIONALIZATION OF UNREACTIVE SITES OF MOLECULES*
- 13:30** **Dr. Adam Gorczyński**, Adam Mickiewicz University, Poznań  
*(METALLO)SUPRAMOLECULAR SYSTEMS FOR TACKLING THE ENVIRONMENTAL ISSUES*
- 13:45** **Prof. Julien Leclaire**, Université de Lyon  
*DYNAMIC COVALENT CHEMISTRY AT WORK: SIMULTANEOUS CO<sub>2</sub> CAPTURE AND METAL PURIFICATION FROM WASTE STREAMS*
- 14:00** **Prof. Artur R. Stefankiewicz**, Adam Mickiewicz University, Poznań  
*GENERATION OF FUNCTIONAL METALLOSUPRAMOLECULAR ASSEMBLIES BASED ON AMBIDENTATE LIGANDS*
- 14:15** **LUNCH BREAK**
- 15:30** **POSTER SESSION**

## SESSION 6

Chairmen: Prof. Janusz Jurczak, Prof. Artur R. Stefankiewicz

- 16:30** **Prof. KAROL GRELA**, CNBCH, University of Warsaw  
*"MISSIONS IMPOSSIBLE" IN RUTHENIUM CATALYZED OLEFIN METATHESIS*
- 17:00** **Prof. JEAN-MARIE LEHN**, ISIS, Université de Strasbourg  
*PERSPECTIVES IN CHEMISTRY: TOWARDS ADAPTIVE CHEMISTRY*
- 18:00** **CLOSING CEREMONY**

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