

2nd FRENCH-POLISH CHEMISTRY CONGRESS

CONFERENCE PROGRAMME

Monday 28th

Amphithéâtre Godechot, École nationale supérieure de chimie de Montpellier, 240 av. du Professeur Emile Jeanbrau, 34090 Montpellier, France

14:00

REGISTRATION & ROUND TABLE OVER A COFFEE & POSTER SESSION

15:00

OPENING CEREMONY

Member of Organizing Committee

Dr. Eric Clot, Head of Institut Charles Gerhardt of Montpellier (ICGM)

Prof. Pascal Dumy, Head of National Superior School of Chemistry of Montpellier (ENSCM), Head of Institut des Biomolécules Max Mousseron (IBMM)

Prof. Maciej Forycki, Adam Mickiewicz University in Poznań

Daniel Kan-Lacas, Honorary Consul of the Republic of Poland in Montpellier

Chairman: Prof. Piotr Pawluć

15:15

Prof. KAROL GRELA, University of Warsaw/Institute of Organic Chemistry, Polish Academy of Sciences
RUTHENIUM CATALYZED FORMATION OF TETRASUBSTITUTED OR CROWDED C-C DOUBLE BONDS—A
CHEMICAL STORY IN THREE ACTS

Chairman: Dr. Bruno Ameduri

15:45

Prof. GUILLAUME MAURIN, University of Montpellier (ICGM)
COMPUTATIONALLY-ASSISTED ADVANCES IN MOF-BASED MIXED MATRIX MEMBRANES

Chairmen: Prof. Łukasz Albrecht, Prof. Michael Smietana

16:15

Prof. Dariusz Matoga, Jagiellonian University Kraków
PORE FUNCTIONALIZATION OF METAL-ORGANIC FRAMEWORKS FOR PROTON CONDUCTION

16:30

Prof. Wojciech Bury, University of Wrocław
PRE- AND POSTSYNTHETIC STRATEGIES APPLIED TO MOFS - TOWARDS SELECTED CATALYTIC APPLICATIONS

16:45

Dr. Ingrid Suzana, Sorbonne Université
SUPRAMOLECULAR MAGNETIC DENDRIMERS

17:00

Dr. Grzegorz Markiewicz, Adam Mickiewicz University Poznań
SELF-ASSEMBLY OF A FLUORESCENT HYDROGEN-BONDED CAPSULE BASED ON AN AMINO-ACID
FUNCTIONALISED TETRAPHENYLETHYLENE

17:15

Dr. Iwona Nierengarten, University of Strasbourg CNRS
PILLAR[5]ARENE SCAFFOLDS: FROM MULTIFUNCTIONAL NANOMATERIALS TO MOLECULAR MACHINES AND
ROTAXANES

17:30

Prof. Janusz Dąbrowski, Jagiellonian University Kraków
PHOTODYNAMIC IMMUNOTHERAPY: RECENT ADVANCES AND FUTURE CHALLENGES

17:45

Prof. Katarzyna Matczyszyn, Wrocław University of Science and Technology
THE SYNTHESIS AND USE OF FOLIC ACID-DERIVED CARBON NANODOTS AS FLUORESCENT MARKERS FOR
NON-INVASIVE IMAGING OF MORPHOLOGICAL CHANGES IN LIPIDIC MESOPHASES.

18:00

Prof. Martin Jönsson-Niedziółka, Institute of Physical Chemistry, Polish Academy of Sciences
POINT-OF-CARE TESTING FOR C-REACTIVE PROTEIN IN A SEQUENTIAL MICROFLUIDIC DEVICE

18:15

POSTER SESSION

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09:45 MORNING COFFEE & POSTER SESSION

Chairmen: Prof. Marcin Hoffmann, Prof. David Virieux

- 10:15 **Dr. Michele Salmain**, Sorbonne Université
INTRACELLULAR LOCALIZATION OF CYTOTOXIC HALF-SANDWICH IRIIDIUM(III) COMPLEXES BY ADVANCED HIGH RESOLUTION IMAGING TECHNIQUES
- 10:30 **Prof. Robert Podgajny**, Jagiellonian University Kraków
SCO TRANSITIONS, SITE SELECTIVITY AND CORE-SHELL COMPOSITES IN [W(CN)₈]-BRIDGED COORDINATION CLUSTERS FAMILIES
- 10:45 **Prof. Elżbieta Wojaczyńska**, Wrocław University of Science and Technology
RING EXPANSION IN NITROGEN HETEROCYCLES
- 11:00 **Prof. Alberto Marra**, Institut des Biomolécules Max Mousseron (IBMM)
SYNTHESIS OF BIO-SOURCED ANTIOXIDANTS BY PHOTOINDUCED THIOL-ENE COUPLING UNDER CONTINUOUS-FLOW CONDITIONS
- 11:15 **Dr. Dorota Czajkowska-Szczykowska**, University of Białystok
MACROCYCLIC MOLECULAR ROTORS WITH STEROIDAL FRAMEWORKS – SYNTHESSES AND SOME PROPERTIES
- 11:30 **Prof. Piotr Młynarz**, Wrocław University of Science and Technology
CELLULAR METABOLOME IN RESPONSE TO EXTERNAL CONDITIONS
- 11:45 **Prof. Beata Nowicka**, Jagiellonian University Kraków
SWITCHABLE COORDINATION POLYMERS IN BETTER SHAPE
- 12:00 **Dr. Jakub Brzeski**, University of Gdańsk
A THEORETICAL STUDY ON THE ALKYLIMINO SUBSTITUTED SULFONAMIDES
- 12:15 **Prof. Justyna Walkowiak-Kulikowska**, Adam Mickiewicz University Poznań
AMPHIPHILIC TELECHELIC POLYMERS FORMULATED USING A CLICK CHEMISTRY APPROACH
- 12:30 **Dr. Tadeusz Muzioł**, Nicolaus Copernicus University in Toruń
STRUCTURAL STUDIES OF COMPLEXES WITH [Fe(OX)₃]³⁻ AND [Fe(OX)₂(H₂O)₂]⁻ UNITS
- 12:45 **Dr. Karolina H. Markiewicz**, University of Białystok
MEMBRANE-ACTIVE POLYMERS FOR DRUG DELIVERY: RAFT SYNTHESIS, DRUG ENCAPSULATION, AND BIOLOGICAL EVALUATION
- 13:00 **GROUP PHOTO**
- 13:15 **LUNCH BREAK**

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Chairman: Prof. Wojciech Macyk

15:00 **Prof. ARTUR CIESIELSKI**, University of Strasbourg/Adam Mickiewicz University Poznań
FUNCTIONAL 2D MATERIALS: FROM SMART DIAPERS TO CARDIOVASCULAR HEALTH MONITORING

Chairmen: Dr. Michele Salmain, Prof. Łukasz John

15:30 **Prof. Elżbieta Regulska**, University of Białystok
MODIFIED TERNARY METAL OXIDES: EN ROUTE TO FUNCTIONAL MATERIALS

15:45 **Prof. Sławomir Boncel**, Silesian University of Technology
FROM FUNCTIONALIZATION TO FUNCTIONALITY – PHYSICOCHEMISTRY OF NANOCARBONS TOWARD APPLICATIONS

16:00 **Prof. Magdalena Rowińska-Żyrek**, University of Wrocław
METAL BINDING TO ANTIMICROBIAL PEPTIDES - A SMALL STEP FOR STRUCTURAL CHEMISTRY, A BIG LEAP FOR MEDICINAL APPLICATIONS

16:15 **Prof. Volodymyr Sashuk**, Institute of Physical Chemistry, Polish Academy of Sciences
FROM ENZYMES TO CUCURBITURILS: EXPANDING THE HORIZONS OF CATALYSIS

16:30 **Prof. Monika Wałęsa-Chorab**, Adam Mickiewicz University Poznań
STRUCTURE-PROPERTY RELATIONSHIP OF MATERIALS FOR ELECTROFLUOROCHROMIC APPLICATIONS

16:45 **Dr. Wojciech Smutek**, Poznań University of Technology
BIOAVAILABILITY OF ANTIBIOTICS MODIFIED WITH PLANT SURFACTANTS

17:00 **Prof. Joanna Niedziółka-Jönsson**, Institute of Physical Chemistry, Polish Academy of Sciences
SILVER NANOWIRES AS BUILDING BLOCKS FOR SENSORS

17:15 **Dr. Mateusz Kowalik**, University of Gdańsk
ANTICANCER STUDY ON IRIIDIUM AND RHODIUM HALF-SANDWICH COMPLEXES WITH BIPYRIDYLSULFONAMIDE LIGAND

17:30 **Dr. Guillaume Vives**, Sorbonne Université
SWITCHABLE MOLECULAR TWEEZERS: A VERSATILE PLATFORM TO CONTROL MULTIPLE PROPERTIES

17:45 **Dr. Suzanne Peyrottes**, CNRS Research Associate (IBMM)
UA2239: AN ACYCLIC NUCLEOSIDE PHOSPHONATE WITH POTENT ANTIMALARIAL ACTIVITY & UNEXPECTED MECHANISM OF ACTION

18:00 **POSTER SESSION**

2nd FRENCH-POLISH CHEMISTRY CONGRESS

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Wednesday 30th

Amphithéâtre Godechot, École nationale supérieure de chimie de Montpellier, 240 av. du Professeur Emile Jeanbrau, 34090 Montpellier, France

09:30 **MORNING COFFEE & POSTER SESSION**

Chairman: Prof. Mariusz Makowski

10:00 **Prof. MIŁOSZ PAWLICKI**, Jagiellonian University Kraków
 π -CONJUGATED SYSTEMS DOPED WITH BORON

Chairmen: Prof. Joanna Gościańska, Prof. Jerzy Zając

10:30 **Dr. Umut Ugur Ozkose**, University of Montpellier
DEVELOPMENT AND FUNCTIONALIZATION OF NOVEL POLYMERIC MATERIALS FROM POLY(OXAZOLINE)S FOR THEIR POTENTIAL BIOAPPLICATIONS

10:45 **Prof. Anna Kajetanowicz**, University of Warsaw
HIGH CONCENTRATION RING CLOSING METATHESIS FOR EFFICIENT SYNTHESIS OF MACROCYCLIC MUSK COMPOUNDS

11:00 **Dr. Marcin Lindner**, Institute of Organic Chemistry, Polish Academy of Sciences
AMBIPOlar N-DOPED PAHS. A UNIQUE STRATEGY FOR THE EFFICIENT TADF OLED EMITTERS

11:15 **Prof. Till Bousquet**, University of Lille
PHOTOCATALYSIS IN HETEROCYCLIC CHEMISTRY

11:30 **COFFEE BREAK & POSTER SESSION**

Chairman: Dr. Mihail Dimitru Barboiu

12:00 **Prof. SEBASTIEN ULRICH**, CNRS Research Associate (IBMM)
DYNAMIC POLYMERS AS SMART FLUOROGENS

Chairmen: Dr. Renata Marcia de Figueiredo, Dr. Maciej Zaranek

12:30 **M.Sc. Zachary Pastorel**, University of Montpellier
DNA-BASED ASYMMETRIC PHOTOCATALYSIS

12:40 **M.Sc. Aleksandra Ciesielska**, University of Gdańsk
DETERMINATION OF LOW-MOLECULAR COMPOUNDS INTERACTIONS WITH DNA BIOMOLECULE USING SWITCHSENSE TECHNOLOGY

12:50 **M.Sc. Marion Gras**, University of Montpellier
CATALYTIC APPROACH FOR AMIDE COUPLING FOR THE DEVELOPMENT OF PEPTIDE-OLIGONUCLEOTIDE CONJUGATES

13:00 **M.Sc. Gracjan Kurpik**, Adam Mickiewicz University Poznań
STIMULI-RESPONSIVE SUPRAMOLECULAR TRANSFORMATIONS BETWEEN HOMOMETALLIC COMPLEXES AND HETEROMETALLIC POLYMERIC MATERIALS

13:10 **M.Sc. Laura Borrel**, University of Montpellier
INDOLIZINE BASED LIGANDS: SYNTHESIS OF BISOXAZOLINE AND PHOSPHINOXAZOLINE ANALOGUES

13:20 **M.Sc. Paulina Nowicka**, University of Gdańsk
COMPLEXING PROPERTIES OF LIGANDS WITH THIAZOLYL-HYDRAZONE SYSTEM TOWARDS CADMIUM IONS

13:30 **M.Sc. Paras Wanjari**, University of Montpellier
SELF-ASSEMBLED PROTON AND WATER CHANNELS WITH PHOTO-TUNABLE TRANSPORT PROPERTY

13:40 **M.Sc. Anaïs Guillou**, University of Montpellier
SYNTHESIS OF NOVEL ANTIVIRAL NUCLEOSIDE ANALOGUES BEARING A PYRAZOLE MOIETY

13:50 **M.Sc. Agata Kowalska**, University of Gdańsk
SYNTHESIS AND CHARACTERIZATION OF CORE-SHELL NANOMATERIALS BASED ON GOLD NANOPARTICLES

14:00 **M.Sc. Pierre Plouard**, University of Montpellier
RU(II)-CATALYZED HIGHLY ENANTIOSELECTIVE TRANSFER HYDROGENATION OF α -KETO PHOSPHONATES



Montpellier, 28-31 August 2023

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14:10

END OF MEETING

Dr. Mihail Dimitru Barboiu, CNRS Research Director (IEM)

Prof. Bogumiła Kaniewska, Rector of Adam Mickiewicz University in Poznań

Dr. Magdalena Sajdak, Director of Polish Academy of Sciences Scientific Center in Paris

Prof. Violetta Patroniak, Adam Mickiewicz University in Poznań