



SCIENTIFIC PROGRAM

Morning

	Sunday 28 th July	Monday 29 th July	Tuesday 30 th July	Wednesday 31 st July	Thursday 01 st August	Friday 02 nd August
08:40		ISOCs-30 Opening Ceremony	PL - 02 Norio Shibata	PL - 03 Michael Willis	IL - 08 Renzo Luisi	PL - 05 Carstem Bolm
08:50						
09:00						
09:10		PL - 01 Geraldine Masson	IL - 04 Michael Barbarieicz	IL - 07 Joelle Wang	OC - 31 Kei Goto	IL - 12 Paola Stagnaro
09:20						
09:30						
09:40		IL - 01 Masakazu Nambo	OC - 13 J. J. Garrido - Gonzalez	OC - 23 Lorenzo Zani	OC - 32 Turan Ozturk	IL - 13 Xuefeng Jiang
09:50						
10:00						
10:10		OC - 14 Maria L. Alfieri	OC - 24 Stefan Benndorf	OC - 34 Marc Gingras		COFFEE BREAK
10:20						
10:30						
10:40	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	IL - 14 Michaela Gulea
10:50						
11:00		OC - 01 Vittorio Pace	OC - 15 Catherine H. Kaschula	OC - 25 Raghuram Gujjarappa	Prof. Giorgio Modena Centenary Section	
11:10		OC - 02 Hideki Yorimitsu	OC - 16 Yu T. Wong	OC - 26 Ricardo I Rodriguez	PL - 04 Scott Denmark	Memorial Prof. Capozzi and Prof Degl'Innocenti
11:20						
11:30						
11:40		OC - 03 Aurelien Chignac	OC - 17 Chizuru Kasahara	OC - 27 Qi Zhang	PL - 06 Adrian Schwan	ISOCs-31 Announcement and CLOSING
11:50						
12:00						
12:10		OC - 04 Kenta Arai	OC - 18 Veronica Ceccucci	OC - 28 Francesco Basoccu	IL - 09 Stephane Perrio	
12:20		OC - 05 Valentina Pelliccioli	OC - 19 Eddie L. Myers	OC - 29 Kazuya Kanemoto	OC - 35 Jozef Drabowicz	ISOCs-31 Announcement and CLOSING
12:30						
12:40						
12:50		OC - 06 Phil Liebing	OC - 20 Stefano Barranco	OC - 30 Moritz von Geysso	OC - 36 Wolfgang Weigand	
13:00		LUNCH	LUNCH	LUNCH	LUNCH	
13:10						
14:10						



SCIENTIFIC PROGRAM

Afternoon

	Sunday 28 th July	Monday 29 th July	Tuesday 30 th July	Wednesday 31 st July	Thursday 01 st August	Friday 02 nd August	
14:30							
14:40		IL - 02 Eder Lenardao	IL - 05 Claus Jacob		IL - 10 Michael Pluth		
14:50							
15:00		OC - 07 Yuanxin Deng	OC - 21 Vanessa Nascimento	EXCURSION	OC - 37 Ivana Fleischer		
15:10					OC - 38 Francesca Milano		
15:20		OC - 08 Elena Ermini	OC - 22 René Hommelsheim				
15:30	REGISTRATION						
15:40		IL - 03 Anna Barattucci	IL - 06 Mieko Arisawa			IL - 11 Ming Xian	
15:50							
16:00							
16:10							
16:20		COFFEE BREAK				COFFEE BREAK	
16:30							
16:40		OC - 09 Benedict A. Williams				OC - 39 Mingkai Wei	
16:50							
17:00		OC - 10 Akio Kamimura	COFFEE BREAK and POSTER SECTION			OC - 40 Ibrahim M. Basma	
17:10							
17:20		OC - 11 Eoghan M. McGarrigle				OC - 41 Giulia Tuci	
17:30							
17:40		OC - 12 Bagrat A. Shainyan				OC - 42 Vladimir A. Potapov	
17:50							
18:00							
18:10							
18:20							
18:40							
19:00							
20:00	Welcome MIXER						
21:00					Banquet		
22:00							
23:00							



HISTORY OF ISOCS

ISOCS meetings are well established international forums for the presentation and discussion of research results on the many aspects of sulfur chemistry. The importance of sulfur chemistry and responsiveness of the symposium to the needs of the participants has propelled this conference into a prestigious international meeting awaited by the scientific community. Sulfur meetings attract worldwide interest, bringing together chemists from all over the world, sharing their interest in the different areas of sulfur chemistry.

ISOCS 30 follows the long-dated tradition of these symposia, originating back from the first one held in a castle in Liblice, near Prague in 1964, exactly 60 years ago. The initial success of this conference led to its regular repetition every two years except 2020 due to covid-19 pandemic situation.

The conferences were convened in Europe until 1996, when the first conference in Asia was organized in Tsukuba, Japan. The conference then returned to Europe until 2002, when the first conference in the Western Hemisphere was held in Flagstaff, Arizona.

While the focus of these symposia has always been sulfur chemistry, areas of emphasis have changed. The areas originally emphasized were structure, mechanism and reactive intermediates. Then the emphasis shifted to stereochemistry, hypervalent sulfur and synthetic applications.

Currently the interest on synthetic chemistry, as well as on mechanisms and stereochemistry still continues, but there has also been expansion to biochemistry, medicinal chemistry, materials science and environmental issues. In all of these areas sulfur chemistry plays an important and key role.

ISOCS-30 in Florence has the aim to continue this prestigious series of events. Since ISOCS is being held in Italy for the fourth time, organizers have to opportunity to celebrate in 2024 the centenary of birth of Prof. Giorgio Modena, one of the fathers of Italian Organic Chemistry, and the centenary of the University of Florence.



The full listing of ISOCS Symposia:

1964 Liblice (Czech Republic)	1966 Groningen (The Netherlands)
1968 Caen (France)	1970 Venice (Italy)
1972 Lund (Sweden)	1974 Bangor (UK)
1976 Hamburg (Germany)	1978 Portoroz (Slovenia)
1980 Riga (Latvia)	1982 Bangor (UK)
1984 Lindau (Germany)	1986 Nijmegen (The Netherlands)
1988 Odense (Denmark)	1990 Lodz (Poland)
1992 Caen (France)	1994 Merseburg (Germany)
1996 Tsukuba (Japan)	1998 Florence (Italy)
2000 Sheffield (UK)	2002 Flagstaff (USA)
2004 Madrid (Spain)	2006 Saitama (Japan)
2008 Moscow (Russia)	2010 Florence (Italy)
2012 Czestochowa (Poland)	2014 Istanbul (Turkey)
2016 Jena (Germany)	2018 Tokyo (Japan)
2022 Guelph (Canada)	2024 Florence (Italy)



COMMITTEES OF ISOCS-30

International Scientific Committee

Józef **Drabowicz** - Jan Dlugosz University in Czestochowa/CMMS PAS, Łódź (PL)

Kei **Goto** - Tokyo Institute of Technology (JP)

Stefano **Menichetti** - University of Florence (IT)

Mogens B. **Nielsen** - University of Copenhagen (DK)

Turan **Ozturk** - Istanbul Technical University (TR)

Stéphane **Perrio** - University of Caen (FR)

Adrian **Schwan** - University of Guelph (CA)

Wolfgang **Weigand** - University of Jena (DE)

Organizers Committee

Stefano **Menichetti**

Antonella **Capperucci**

Caterina **Viglianisi**

Damiano **Tanini**

Staff

Giulia **Agnoloni**

Matilde **Becheroni**

Tommaso **Gaspari**

Ahtsham **Ishaq**

Laurent **Levani**

Michela **Lupi**

Caterina **Monti**

Martina **Mori**

Martina **Tozzetti**



National Organizing Committee

Paola **Bonaccorsi** - University of Messina

Claudia **Bello** - University of Florence

Massimo **Calamante** - University of Florence/ ICCOM-CNR

Marco **Frediani** - University of Florence

Giuliano **Giambastiani** - University of Florence

Andrea **Goti** - University of Florence

Elena **Lenci** - University of Florence

Francesca **Mangiavacchi** - University of Florence

Marco **Marradi** - University of Florence

Daniele **Martella** - University of Florence

Camilla **Matassini** - University of Florence

Alessandro **Mordini** - University of Florence/ ICCOM-CNR

Cristina **Nativi** - University of Florence

Anna M. **Papini** - University of Florence

Camilla **Parmeggiani** - University of Florence

Lucia **Pasquato** - University of Trieste

Gianna **Reginato** - University of Florence/ ICCOM-CNR

Barbara **Richichi** - University of Florence

Claudio **Santi** - University of Perugia

Andrea **Trabocchi** - University of Florence



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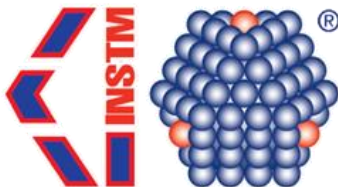
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COMUNE DI
FIRENZE



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GENERAL INFORMATION

The Symposium will start in the afternoon of **Sunday July 28** with the Registration (15:30-19:00) and the *Welcome mixer* (19:00-22:00) at the **Natural History Museum, Botanical Garden**, Via Pier Antonio Micheli 3, Florence.

The Scientific sections will start on Monday July 29 (08:40) with the Opening Ceremony with the presence of the Rector of the University of Florence and the President of the Italian Chemical Society. The symposium venue is on the **Campus Novoli** of the University of Florence, Via delle Pandette, 9, 50127 Florence D6: Building ground floor **conference location**.

The easiest way to reach the Symposium Venue from downtown (Alamanni-SMN Station) is **T2 line – VESPUCCI** and from Florence Airport is the **T2 line - VESPUCCI** tram line dropping off at “**SAN DONATO - Università**” station that is located 2-3 minutes walking from the D6 conference building (purchasing tickets).

Florence and its metro area are served by several bus lines. The bus company providing the service is called “*Autolinee Toscane*”. Bus tickets can be bought from bars, tobacconists, newsagents, from automatic machines, and app. In the metropolitan area of Florence, all “urbano capoluogo” tickets and passes allow you to use urban trams and buses.

The price for a single ticket is € 1.70. Contactless payment is available on buses and tram for purchasing tickets on board using credit/debit cards, smartphones, and enabled wearables. Mastercard, Visa and American Express cards are accepted. Hold your card near the ticket validation machine. A green screen means you have successfully checked in. On urban lines, tap every time you board. If your journey involves changing buses or trams, you will not be charged additional tickets within the validity period (90 min) of the ticket purchased with the first tap. To purchase tickets for multiple people, download the app at bus.

Visit our website for additional information.



SOCIAL PROGRAM

➤ Sunday July 28, 2024

19:00-22:00 **Welcome mixer**, Natural History Museum, Botanical Garden,
Via Pier Antonio Micheli 3, Firenze.

The Botanical Garden of Florence *Giardino dei Semplici*, founded on 1st December 1545 by Cosimo I de Medici, is the third most ancient botanical garden in the world after those of Pisa and Padua. Here, every day since almost 500 years, well-documented collections of living plants have been cared for, grown up and spread all around here for conservation, research and educational aims.

➤ Wednesday July 31, 2024

15:00-24:00 **Social excursion to Siena with a Tuscany dinner**, Siena.

Siena, a city rich in history and culture and with a medieval charm that is still nearly intact today. The excursion, with a Tuscany dinner, will be at the "Contrada dell'Onda" garden.

➤ Thursday August 01, 2024

20:00-23:00 **Banquet Panoramic B-Roof**, Grand Hotel Baglioni, Piazza dell'Unità
Italiana 6, Firenze.

Participation requires the payment of the gold registration fee.



SCIENTIFIC PROGRAM

Plenary Lectures (PL01 - PL06, 40 min. discussion included).

Invited Lectures (IL01 - IL14, 30 min. discussion included).

Oral Communications (OC01 - OC42, 20 min. discussion included).

Poster session (P01 - P34).

The poster session has been scheduled on Tuesday, July 30 in the same building, ground floor. Please refer to the Scientific Program to get the number assigned to the posters.

The area available for each poster is 70 cm (width) x 100 (height).

Material for mounting posters will be available at the Symposium desk.

Posters can be displayed from lunch time of Monday, July 29 till lunch time of Wednesday, July 31.

The WSeS-11 and the ISOCS-30 organizers have reached an agreement with Phosphorus, Sulfur, and Silicon and the Related Elements to jointly publish the proceedings of the two symposia.



➤ **Monday, July 29**

08:40-09:20 **Opening Ceremony**

Chair **Gianluca M. Farinola**

09:20-10:00 PL-01 **Geraldine Masson**
A Sulfur-Handle for the Advanced Synthesis of Functionalized Chiral Amines
ICSN-CNRS Paris Saclay University, France
geraldine.masson@cnrs.fr

10:00-10:30 IL-01 **Masakazu Nambo**

Radical-based Transformations through Reductive Activation of Alkylsulfones
Nagoya University, Japan
nambo.masakazu.p3@f.mail.nagoya-u.ac.jp

10:30-11:00 **Coffee Break**

Chair **Josef Drabowicz**

11:00-11:20 OC-01 **Vittorio Pace**
Designing Molecular Modifications for Sulfur-Centered Platforms with Nucleophilic C-1 Releasing Agents
University of Turin, Italy
vittorio.pace@unito.it

11:20-11:40 OC-02 **Hideki Yorimitsu**

Aromatic Metamorphosis of Thiophenes
Kyoto University, Japan
yori@kuchem.kyoto-u.ac.jp

11:40-12:00 OC-03 **Aurelien Chignac**

Cationic and Neutral Sulfur-Bridged [6] Helicenes
University of Geneva, Switzerland
aurelien.chignac@unige.ch

12:00-12:20 OC-04 **Kenta Arai**

S-to-Se Substitution Strategy for Preparation of Insulin Superfamily Proteins
Tokai University, Japan
k-arai4470@tokai-u.jp



12:20-12:40 OC-05 **Valentina Pelliccioli**
Benzodithiophenes: Key Intermediates for the Preparation of Thiahelicenes
University of Milan, Italy
valentina.pelliccioli@unimi.it

12:40-13:00 OC-06 **Phil Liebing**
Amino-Acid Derived Dithiocarbamates – Building Blocks for Hard/Soft-Heterobimetallic Coordination Networks
Friedrich Schiller University Jena, Germany
phil.liebing@uni-jena.de

13:00-14:30 **Lunch**

Chair **Wolfgang Weigand**

14:30-15:00 IL-02 **Eder Lenardao**
Greening the Synthesis of Thiochromones and Benzothiazoles
Federal University of Pelotas, Brazil
lenardao@ufpel.edu.br

15:00-15:20 OC-07 **Yuanxin Deng**
Poly(disulfide)s Toward Sustainability
East China University of Science and Technology, China
yuanxin.deng@ecust.edu.cn

15:20-15:40 OC-08 **Elena Ermini**
A Novel Bioresponsive Self-immolative Spacer Based on Aza-quinone Methide Reactivity for the Controlled Release of Thiol
University of Siena, Italy
elena.ermmini@iccom.cnr.it

15:40-16:10 IL-03 **Anna Barattucci**
The Contribution of Sulfenic Acid Intermediates in the Building-up of New Molecular Architectures
University of Messina, Italy
anna.barattucci@unime.it

16:10-16:40 **Coffee Break**



Chair **Oswaldo Lanzalunga**

16:40-17:00 OC-09 **Benedict A. Williams**

A Long-Lived Acyclic Triplet Aldimine Enables Modular Synthesis of Azetidines via an Intermolecular Aza-Paternò Büchi Reaction

University of Oxford, UK

benedict.williams@chem.ox.ac.uk

17:00-17:20 OC-10 **Akio Kamimura**

Mild Redox Reactions for Switching Functions of Molecules

Yamaguchi University, Japan

ak10@yamaguchi-u.ac.jp

17:20-17:40 OC-11 **Eoghan M. McGarrigle**

Visible-Light-Induced Difunctionalisations of Alkynes with Arylsulfonates

University College Dublin, Ireland

eoghan.mcgarrigle@ucd.ie

17:40-18:00 OC-12 **Bagrat A. Shainyan**

Diverse Courses of Oxidative Sulfonamidation of Unsaturated Compounds

Siberian Branch of the Russian Academy of Sciences, Russia

bagrat@irioch.irk.ru



➤ **Tuesday, July 30**

Chair **Kei Goto**

08:40-9:20 PL-02 **Norio Shibata**
Recent Progress of Synthesis of Fluoro-sulfanyl Molecules
Nagoya Institute of Technology, Japan
nozshiba@nitech.ac.jp

09:20-09:50 IL-04 **Michal Barbasiewicz**
Synthesis and Transformations of α,β -unsaturated Sulfonyl Fluorides and Triflones
University of Warsaw, Poland
barbasiewicz@chem.uw.edu.pl

09:50-10:10 OC-13 **Jose J. Garrido-Gonzalez**
Photocatalytic Ring Expansion of Alkenyl Sulfonium Salts in Flow
University of Padova, Italy
jose.garrido@unipd.it

10:20-10:30 OC-14 **Maria L. Alfieri**
Sulfur Functionalization as a Strategy to Improve the Bioactivity of Natural Phenolic Compounds
University of Naples "Federico II", Italy
marialaura.alfieri@unina.it

10:30-11:00 **Coffee Break**

Chair **Renzo Luisi**

11:00-11:20 OC-15 **Catherine H. Kaschula**
Insights into the Cytotoxicity of Garlic-Related Trisulfides
Stellenbosch University, South Africa
kaschula@sun.ac.za

11:20-11:40 OC-16 **Yu T. Wong**
Vinyl Sulfonimidamides as Potential Bioisosteres of Acrylamides
University of Oxford, UK
yu.wong@some.ox.ac.uk

11:40-12:00 OC-17 **Chizuru Kasahara**
Metal-Free Thiolato Ligands for use as Photosensitizers: [FeFe]-Hydrogenase Mimic Complexes for Photocatalytic H₂ Production
University Jena, Germany
chizuru.kasahara@uni-jena.de



12:00-12:20 OC-18 **Veronica Ceccucci**
The Role of Selenium-sulfur Bond in the Biological Activity of the Selenorganic Compounds: the Case Study of Ebselen®
University of Perugia, Italy
veronica.ceccucci@dottorandi.unipg.it

12:20-12:40 OC-19 **Eddie L. Myers**
Cysteine Thioaldehydes: Photolytic Generation and Reactivity
University of York, UK
eddie.myers@universityofgalway.ie

12:40-13:00 OC-20 **Stefano Barranco**
Uncatalyzed [3+2] Annulation of 2-alkylenecyclobutanones with Thiourea Derivatives for the Construction of Cyclobuta-fused- imidazolidine-2-thiones and -thiazolidine-2-imines
University of Cagliari, Italy
ste.barranco96@gmail.com

13:00-14:30 **Lunch**

Chair **Enrico Marcantoni**

14:30-15:00 IL-05 **Claus Jacob**
Redneck Chemistry: When Sulfur Meets Selenium
Saarland University, Germany
c.jacob@mx.uni-saarland.de

15:00-15:20 OC-21 **Vanessa Nascimento**
In Vitro and In Silico Analysis of Neuroprotective Effects of Sulfur-Containing Dihydrobenzofurans
Federal University of Fluminense, Brazil
nascimentovanessa@id.uff.br

15:20-15:40 OC-22 **Renè Hommelsheim**
2-Azido Sulfoximines as Building Blocks for Benzothiadiazine Oxides in Metal-Catalysed Reactions
RWTH Aachen University, Germany
rene.hommelsheim@rwth-aachen.de

15:40-16:10 IL-06 **Mieko Arisawa**
Design, Synthesis, and Biological Activity of Organosulfur/selenium Compounds for Environmental Stress Responses
Kyushu University, Japan
arisawa@agr.kyushu-u.ac.jp

16:10-18:10 **Coffee Break and POSTER SECTION**



POSTER SECTION

P-01 Osvaldo Lanzalunga

Simultaneous Oxidative and Reductive C-S Bond Cleavage in t-Alkyl Aryl Sulfoxides Catalyzed by Tetrabutylammonium Decatungstate

University of Roma "La Sapienza", Italy
osvaldo.lanzalunga@uniroma1.it

P-02 Andrea Temperini

Alkynyl Phenyl Selenides as Intermediates in the Metal-free Cyclization of N-Tosyl Homopropargyl Amides to γ -Lactams

University of Perugia, Italy
andrea.temperini@unipg.it

P-03 Rumi Mikami

Ca²⁺-triggered Allosteric Disulfide/Diselenide Catalyst: Potential Regulator for Cellular Redox Homeostasis

Tokai University, Japan
3ctad019@tokai.ac.jp

P-04 Mukund Jha

Access to Indole-fused Sulfur-containing Polycycles

Nipissing University, Canada
mukundj@nipissingu.ca

P-05 Giovanni Simonetti

Liquid Crystal-Based Inks via Michael Thiol-Acrylate Reaction for 3D Printing

University of Florence, Italy
giovanni.simonetti@unifi.it

P-06 Vanessa E. Becker

Synthesis of Triarylsulfonium Salts and their Applications in Organic Synthesis

University College Dublin, Ireland
vanessa.becker@ucdconnect.ie

P-07 Carmine Bellantoni

Sulfur- and Sulfone-Bridged m,m-Heteracalix[4]arenes

University of Messina, Italy
carmine.bellantoni@studenti.unime.it

P-08 Federica Cefali

Sulfur-mediated Cycloaddition Reactions. A Potent Strategy Toward Glycosydic Antigens' Synthesis

University of Florence, Italy
federica.cefali@unifi.it



P-09 Renè Hommelsheim

2-Azido Sulfoximines as Building Blocks for 3-Amino-Substituted Benzothiadiazine Oxides
RWTH Aachen University, Germany
rene.hommelsheim@rwth-aachen.de

P-10 Keisuke Iijima

Synthesis of Heterocyclic Tin Polysulfides Bearing Bulky Ferrocenyl Groups
University of Tsukuba, Japan
keisuke@dmb.chem.tsukuba.ac.jp

P-11 Elisa Bianchi

Lipoic Acid as a Linker to Auranofin Analogue on Nanocellulose
University of Florence, Italy
elisa.bianchi1@unifi.it

P-12 Giovanna Longhi

Chiroptical and Magneto-Optical Investigation of a Hetero[4]Helicene Radical Cation
University of Brescia, Italy
giovanna.longhi@unibs.it

P-13 Chiara Mangini

A Library of Sulfur-containing Glycomimetics as Next-generation of Precision Therapeutics in Cancer Treatment
University of Firenze, Italy
chiara.mangini@unifi.it

P-14 Maura Monforte

When Curcumin Lights up Sulfenic Acid
University of Messina, Italy
maura.monforte@studenti.unime.it

P-15 Dorian G. Muntean

β -Lactams as Inhibitors of SARS-CoV-2 M^{pro}
University of Oxford, United Kingdom
dorian-gabriel.muntean@new.ox.ac.uk

P-16 Tetsuo Narumi

Stereoselective Synthesis of Chloroalkene Dipeptide Isosteres with Sulfur-Centered Chirality via Remote Asymmetric Induction
Shizuoka University, Japan
narumi.tetsuo@shizuoka.ac.jp

P-17 Daniela H. de Oliveira

Synthesis of Sulfur-containing N-heterocycles by Mild Reactions Conditions: Tetrazolo[1,5- α]quinolines and Pyrazoles
Federal University of Pelotas, Brazil
daniela.hartwig@ufpel.edu.br



P-18 Shotaro Otaka

Elucidation of Reactivity of a Cysteine Sulfenyl Iodide Utilizing a Molecular Cradle
Tokyo Institute of Technology, Japan
otaka.s.ad@m.titech.ac.jp

P-19 Seong J. Park

Intramolecular Cyclization of N-Cyano Sulfoximines for the Synthesis of Thiadiazine 1-Oxides and Thiadiazinone 1-Oxides
KRICT, Republic of Korea
sjunpark@kRICT.re.kr

P-20 Valentina Pelliccioli

Synthesis and Characterization of Benzodithiophene-based Atropisomers
University of Milan, Italy
valentina.pelliccioli@unimi.it

P-21 Debora Pratesi

Azasugar-based Sulfonamides as Selective Carbonic Anhydrase Inhibitors: Probing the Role of the Triazole Linker
University of Florence, Italy
debora.pratesi@unifi.it

P-22 Adam B. Riddell

The Nature and Chemical Utility of Proximal Boron Functionalities on the S-Alkylation of Sulfenic Acid Anions
University of Guelph, Canada
riddella@uoguelph.ca

P-23 Adam B. Riddell

Examining the Effect of Proximal Chiral Boronate Esters on the Stereoselective Alkylation of Sulfenate Anions
University of Guelph, Canada
riddella@uoguelph.ca

P-24 Katherine G. Rodden

Expanding the Toolbox of S(VI) Electrophiles for Covalent Ligand Discovery
University of Oxford, UK
katherine.rodden@chem.ox.ac.uk

P-25 Defne Serbetci

Fast One-pot Synthesis of Aza-S(VI) Fluorides from Sulfinyl Amines
University of Bari, Italy
defne.serbetci@uniba.it



P-26 Dheirya K. Sonecha

Approaches to the Parent 1,4- and 1,2-Thiazines

University of St Andrews, UK

dk1@st-and.ac.uk

P-27 Marco Turriani

Synthesis and Applications of Liquid Crystal Elastomers Prepared through Thiol-acrylate Polymerization

LENS, Italy

turriani@lens.unifi.it

P-28 Mariko Yukimoto

Synthesis and Reactivity of Heavy Germanamides

University of Toyama, Japan

yukimoto@sus.u-toyama.ac.jp

P-29 Laurent Levani

Synthesis and Study of the Glutathione Peroxidase-like Properties of Chalcogenolesters

University of Florence, Italy

laurent.levani@edu.unifi.it

P-30 Tommaso Gaspari

Synthesis of 5'-Alkylseleno-substituted Thymidine Derivatives

University of Florence, Italy

tommaso.gaspari@edu.unifi.it

P-31 Martina Tozzetti

GPS-SH1: an Innovative Receptor for the Determination of FKBP12

University of Florence, Italy

martina.tozzetti@unifi.it

P-32 Giulia Agnoloni

Design, Synthesis and Resolution of Chiral donor-acceptor Dyads to Study the CISS Effect

University of Florence, Italy

giulia.agnoloni@unifi.it

P-33 Caterina Monti

Dithia-aza[4]helicenes for Spintronics Devices

University of Florence, Italy

caterina.monti@edu.unifi.it

P-34 Raghuram Gujjarappa

Substrate- and Anion-Assisted Mechanochemical Synthesis of Thio-Hemicucurbiturils

The Open University of Israel, Israel

raghuram.g.n.p@gmail.com



➤ **Wednesday, July 31**

Chair **Stephane Perrio**

08:40-9:20 PL-03 **Michael Willis**
New Functional Groups for Synthetic and Discovery Chemistry
University of Oxford, Oxford, UK
michael.willis@chem.ox.ac.uk

09:20-09:50 IL-07 **Joelle Wang**
Asymmetric Hydrothiolation, Hydroselenation and Hydrophosphination
Hong Kong Baptist University, Hong Kong
junwang@hkbu.edu.hk

09:50-10:10 OC-23 **Lorenzo Zani**
Sulfur-Containing Organic Compounds for Solar Energy Conversion Technologies: from Molecular Properties to Device Performances
ICCOM-CNR, Italy
lorenzo.zani@iccom.cnr.it

10:20-10:30 OC-24 **Stefan Benndorf**
Functionalization of CdSe Quantum Dot Films with [FeFe] Hydrogenase Mimics for Light-Driven Hydrogen Evolution
University of Jena, Germany
stefan.benndorf@uni-jena.de

10:30-11:00 **Coffee Break**

Chair **Anna Barattucci**

11:00-11:20 OC-25 **Raghuram Gujjarappa**
Conformationally-adaptive Thio-hemicucurbiturils Exhibit Promiscuous Anion Binding by Induced Fit
The Open University of Israel, Israel
raghuram.g.n.p@gmail.com

11:20-11:40 OC-26 **Ricardo Rodriguez**
Radical Strain-release Photocatalysis for the Synthesis of Azetidines
University of Padova, Italy
ricardo.rodriguezperez@unipd.it

11:40-12:00 OC-27 **Qi Zhang**
Sustainable Poly(disulfide)s
East China University of Science and Technology, China
q.zhang@ecust.edu.cn



12:00-12:20 OC-28 **Francesco Basoccu**

Thiourea Oxidized Derivatives: The Unveiling of Their Potentiality Through Solvent-less Techniques

University of Cagliari, Italy

francesco.basoccu@unica.it

12:20-12:40 OC-29 **Kazuya Kanemoto**

Diverse Synthesis of Various Unsymmetrical Disulfides Facilitated by a Novel Disulfurating Reagent

Tohoku University, Japan

kazuya.kanemoto.a1@tohoku.ac.jp

12:40-13:00 OC-30 **Moritz von Geyso**

Enantioselective Au-Catalyzed Synthesis of Thia[5]- and Thia[6]helicenes and Their Transformation into Bowl-shaped Pleiadenes

Georg-August-University Göttingen, Germany

moritz.von-geyso@chemie.uni-goettingen.de

13:00-14:30 **Lunch**



➤ **Thursday, August 01**

Chair **Adrian Schwan**

08:40-09:10 IL-08 **Renzo Luisi**
Contributing to the Renaissance of S(IV) and S(VI) Functional Groups
University of Bari, Italy
renzo.luisi@uniba.it

09:10-09:30 OC-31 **Kei Goto**
Modeling Reactive Persulfide Derivatives Utilizing Molecular Cavities
Tokyo Institute of Technology, Japan
goto@chem.titech.ac.jp

09:30-09:50 OC-32 **Turan Ozturk**
Organic Electronic and Optoelectronic Materials Based on Thienothiophene and Dithienothiophene
Istanbul Technical University, Türkiye
ozturktur@itu.edu.tr

09:50-10:10 OC-33 **Alan Aitken**
New Reactions of Sulfur-Containing Aryl Benzyl Ethers
University of St Andrews, UK
raa@st-and.ac.uk

10:10-10:30 OC-34 **Marc Gingras**
"The Sulfur Dance" Around Arenes and Heteroarenes - the Reversible Nature of Nucleophilic Aromatic Substitutions
CNRS - Aix Marseille University
marc.gingras@univ-amu.fr

10:30-11:00 **Coffee Break**

Chair **Lucia Pasquato**

11:00-11:20 **Prof. Giorgio Modena Centenary Section**

11:20-12:00 PL-04 **Scott Denmark**
Catalytic, Enantioselective Syn-Difunctionalization of Alkenes
University Of Illinois, USA
sdenmark@illinois.edu

12:00-12:30 IL-09 **Stephane Perrio**
Expanding the Molecular Diversity of Thiochromans Using Allenyl Sulfones as Substrates
ENSICAEN - University of Caen, France
stephane.perrio@unicaen.fr



12:30-12:50 OC-35 **Jozef Drabowicz**

t-Butylarythio and Selenophosphinic acids: Syntheses, Structural Studies and Attempts to Use Them as Chiral Auxiliaries

University of Lodz, Poland

jozef.drabowicz@cbmm.lodz.pl

12:50-13:10 OC-36 **Wolfgang Weigand**

The Potential Role of Iron Sulfide in the Prebiotic Chemistry

Friedrich Schiller University, Germany

wolfgang.weigand@uni-jena.de

13:10-14:30 **Lunch**

Chair **Turan Ozturk**

14:30-15:00 IL-10 **Michael Pluth**

Chemical Tools and Models for Investigating Reactive Sulfur and Selenium Species

University of Oregon, USA

pluth@uoregon.edu

15:00-15:20 OC-37 **Ivana Fleischer**

Making and Breaking of C–S Bonds Using Metal Catalysis

University of Tübingen, Germany

ivana.fleischer@uni-tuebingen.de

15:20-15:40 OC-38 **Francesca Milano**

Thiolated Iminosugars as Ligands for Gold Nanoparticles to Address Gaucher Disease

University of Florence, Italy

francesca.milano@unifi.it

15:40-16:10 IL-11 **Ming Xian**

Chemical Tools for Regulating Reactive Sulfur Species

Brown University, USA

ming_xian@brown.edu

16:10-16:40 **Coffee Break**

Chair **Paola Stagnaro**

16:40-17:00 OC-39 **Mingkai Wei**

Palladium-catalysed Addition of Aryl Halides to N-sulfinylamines for the Synthesis of Sulfonamides

University of Oxford, UK

mingkai.wei@chem.ox.ac.uk



17:00-17:20 OC-40 **Ibrahim M. Basma**
Hydrogen Evolution through a Photoactive Hydrogenase Mediator Using Visible Light
Friedrich Schiller University, Germany
ibrahim.basma@uni-jena.de

17:20-17:40 OC-41 **Giulia Tuci**
Surface Chemical Functionalization of MoS₂ Derivatives with Strong Acids: Fostering Hydrogen Evolution Reaction under Alkaline Conditions
ICCOM-CNR, Italy
giulia.tuci@iccom.cnr.it

17:40-18:00 OC-42 **Vladimir A. Potapov**
Novel Heterocyclic and Condensed Compounds Based on Annulation and Cyclofunctionalization Reactions of Electrophilic Chalcogen Reagents. Comparison of the Reactivity of Sulfur, Selenium and Tellurium Halides
Siberian Division of the Russian Academy of Sciences, Russia
v.a.potapov@mail.ru



➤ **Friday, August 02**

Chair **Mogens Nielsen**

08:40-09:20 PL-05 **Carsten Bolm**

Sulfur Compounds in the Bolm Group: Syntheses and Applications

RWTH Aachen University, Germany

carsten.Bolm@oc.RWTH-Aachen.de

09:20-09:50 IL-12 **Paola Stagnaro**

Up-cycling of Waste Sulfur by Inverse Vulcanization: Novel Macromolecular Architectures for Advanced Photonics

CNR "Giulio Natta", Italy

paola.stagnaro@cnr.it

09:50-10:20 IL-13 **Xuefeng Jiang**

Green Organosulfur Chemistry

East China Normal University, China

xjiang@chem.ecnu.edu.cn

10:20-11:00 **Coffee Break**

Chair **Claudio Santi and Paola Bonaccorsi**

10:50-11:20 IL-14 **Michaela Gulea**

Synthesis of S- and N,S-heterocycles by Gold-catalyzed Cyclizations

CNRS - University of Strasbourg, France

gulea@unistra.fr

11:20-11:30 **Memorial Prof. Giuseppe Capozzi and Prof. Alessandro Degl'Innocenti**

11:30-12:10 PL-06 **Adrian Schwan**

The Significance of Boron Interactions with Sulfoxides and Sulfenate Anions

University of Guelph, Canada

schwan@uoguelph.ca

12:10-12:50 **ISOCs-31 Announcement and CLOSING**



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