

SCIENTIFIC PROGRAM OF ISOFT'13-BUDAPEST

Sunday, June 2.

10:00 – 18:00	Registration and Poster Mounting Venue:	
13:00 – 17:30	Tutorials on Fluorous Chemistry Chairpersons: J. Drabowicz (TL-1 and TL-2), G. Pozzi (TL-3 and TL-4), and B.Y. Yu (TL-5)	
13:00 – 13:45	ELEMENTAL FLUORINE – ONE OF THE MOST VERSATILE REAGENTS IN ORGANIC CHEMISTRY Shlomo Rozen School of Chemistry, Tel Aviv University, Tel Aviv, Israel 69978	TL-1
13:45 – 14:30	INTRODUCTION TO FLUOROUS CHEMISTRY: BASIC PRINCIPLES John A. Gladysz Department of Chemistry, Texas A&M University, PO Box 30012 College Station, Texas 77842-3012, USA	TL-2
14:30 – 15:00	Break	
15:00 – 15:45	ORGANOFLUORINE CHEMISTRY AT THE BORDERLINE OF SYNTHETIC METHODOLOGY AND BIOMEDICAL APPLICATION Günter Haufe Organisch-Chemisches Institut, Universität Münster, Corrensstraße 40, Münster, Germany	TL-3
15:45 – 16:30	INORGANIC FLUORINE CHEMISTRY AND PROCESS DEVELOPMENT FOR THE FLUOROCHEMICAL INDUSTRY Joseph S. Thrasher Department of Chemistry, Clemson University, 91 Technology Drive, 215 Advanced Materials Research Laboratory, Anderson, SC 29625 USA	TL-4
16:30 – 16:45	Break	
16:45 – 17:30	EFFECT OF FLUORINE ON THE SELF-DISPROPORTIONATION OF ENANTIOMERS Vadim A. Soloshonok Department of Organic Chemistry I, Faculty of Chemistry, University of Basque Country UPV/EHU, 20018 San Sebastian, Spain; IKERBASQUE, Basque Foundation for Science, 48011 Bilbao, Spain	TL-5
18:00 – 18:45	Opening Ceremony Opening Remarks József Rábai and László T. Mika Welcome Address Péter Surján , Dean, Eötvös University Livia Sarkadi , Hungarian Chemical Society Introduction of the Fluorous Technology Award Winners József Rábai , Eötvös University	
18:45 – 19:30	Fluorous Technology Award Lecture (1): Chairperson: I.T. Horvath FLUOROUS BIPHASIC CATALYSIS: OXIDATION OF ALKANES, ALKENES, ALCOHOLS, AND ALKENOLS WITH Mn(II), Co(II), AND Cu(I AND II) FLUOROUS SOLUBLE OR THERMOMORPHIC COMPLEXES, AND NEW PARADIGMS IN CROWN ETHER AND ONIUM ION PHASE TRANSFER CATALYSIS Richard H Fish Lawrence Berkeley National Laboratory, University of California, Berkeley, CA 94720, USA	AL-1
19:30 – 20:15	Fluorous Technology Award Lecture (2): Chairperson: I.T. Horvath	AL-2

Chairpersons **in red** agreed, **in blue** asked by e-mail at May 15/RJ

FLUOROUS/NON-FLUOROUS CARBOXYLATES: USEFUL METAL LIGANDS/COUNTERIONS FOR APPLICATIONS IN CATALYSIS AND SELECTIVE EXTRACTION PROCESSES

J.-M. Vincent

Institut des Sciences Moléculaires, Université Bordeaux-CNRS UMR 5255, 351 Crs de la Libération, 33405 Talence, France

20:15 – 21:30 Get-together party
Venue: 1st floor, adjacent to the Spherical Hall

Monday, June 3.

Session 1.

Chairperson: P. Metrangolo

- 8:30 – 9:15 ADVENTURES IN FLUOROUS CHEMISTRY: DABBLING IN CATALYSIS PL-1
E.G. Hope
Department of Chemistry, University of Leicester, Leicester. LE1 7RH UK
- 9:15 – 9:45 PERFLUOROPOLYETHER-BASED PONYTAILS AS A KEY MOTIF IN FLUOROUS LIGANDS IL-1
J. Kvíčala, M. Babuněk, J. Hošek, M. Rybáčková
Department of Organic Chemistry, Institute of Chemical Technology, Prague, Technická 5, 166 28 Prague 6 Czech Republic
- 9:45 – 10:05 USE OF FLUOROUS-PHASE ION-SELECTIVE ELECTRODES TO STUDY THE TOXICITY OF SILVER NANOPARTICLES O-1
M.A. Maurer-Jones, S. M. Mousavi, Li D. Chen, C. L. Haynes, and P. Bühlmann
Department of Chemistry, University of Minnesota, 207 Pleasant St SE, Minneapolis, MN 55455, USA
- 10:05 – 10:30 Break

Session 2.

Chairperson: K. Hatanaka

- 10:30 – 10:50 HYDROGEN BONDING IN FLUOROUS SYSTEMS: THERMODYNAMICS AND HINTS ABOUT APPLICATIONS O-2
S.G. Weber, H.Zhang, S. Wang, C. McGowan
Department of Chemistry, University of Pittsburgh, Chevron Science Center, Pittsburgh, PA, USA
- 10:50 – 11:10 MISCIBILITY OF ETHERS AND ALCOHOLS WITH PERFLUOROCARBONS O-3
P. Beier, Peter Babiak, Adriana Němcová, Luboš Rulíšek, Karel Řehák
Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Flemingovo nam. 2, 166 10 Prague, Czech Republic
- 11:10 – 11:30 HYDROPHOBIN AS A STABILISER OF FLUOROUS LIQUIDS AND GASES IN AQUEOUS ENVIRONMENTS O-4
L. Pirrie¹, R. Milani¹, E. Monogioudi¹, M. Linder^{1,4}, G. Resnati^{2,3}, P. Metrangolo^{1,2,3}
¹VTT Technical Research Centre of Finland, Finland
²Center for Nanoscience and Technology @Polimi, Istituto Italiano di Tecnologia, Italy
³NFMLab, DCMIC "Giulio Natta", Politecnico di Milano, Italy
⁴School of Chemical Technology, Aalto University, Espoo, Finland
- 11:30 – 11:50 ACTIVATION OF NITRATION OF AROMATIC MOLECULES IN FLUORINATED ALCOHOLS: TEMPLATE CATALYSIS? O-5
Š. Možina¹, J. Iskra^{1,2}
¹Laboratory of Organic and Bioorganic Chemistry, Department of Physical and Organic Chemistry, „Jožef Stefan” Institute, Jamova 39, Ljubljana, Slovenia; ²The Centre of Excellence for Integrated Approaches in Chemistry and Biology of Proteins (CIPKeBiP), Jamova 39, Ljubljana, Slovenia
- 12:00 – 13:20 Lunch

Session 3.

Chairperson: M.-P. Krafft

- 13:40 – 14:10 ENCAPSULATION OF GUEST MOLECULES SUCH AS SILICA NANOPARTICLES AND KETONES INTO FLUOROALKYL END-CAPPED OLIGOMERIC AGGREGATES CORES IL-2
H. Sawada
Department of Frontier Materials Chemistry, Graduate School of Science and Technology, Hirosaki University, Hirosaki 036-8561, Japan
- 14:10 – 14:30 REACTIONS OF FRUSTRATED LEWIS PAIRS WITH NO AND CO O-6

Chairpersons **in red** agreed, **in blue** asked by e-mail at May 15/RJ

- M. Sajid, L. Elmer, C. Rosorius, A. Stute, G. Kehr, C. G. Daniliuc, G. Erker***
Organisch-Chemisches Institut der Universität Münster, Corrensstr. 40, D-48149 Münster, Germany
- 14:30 – 14:50 FLUORINE AS AN ENABLING ELEMENT IN CATALYST DESIGN
T. Soós
Institute of Organic Chemistry, Research Centre for Natural Sciences of Hungarian Academy of Sciences, 59-67 Pusztaszeri, H-1025, Budapest, Hungary O-7
- 14:50 – 15:10 SYNTHESIS OF FLUOROUS COMPLEXES BEARING NHC LIGANDS
M. Rvbáčková, O. Šimůnek, M. Skalický, J. Kvičala
Department of Organic Chemistry, Institute of Chemical Technology Prague, Technická 5, 166 28 Prague 6, Czech Republic O-8
- 15:10 – 15:30 Break

Session 4.

Chairperson: J. A. Gladysz

- 15:30 – 16:00 DEVELOPING FLUORINATED DENDRIMERS FOR ¹⁹F MAGNETIC RESONANCE IMAGING
B. Y. Yu:
University of Maryland, Maryland, USA IL-3
- 16:00 – 16:20 FLUOROUS CHIRAL BISOXAZOLINES: SYNTHESIS AND APPLICATION IN ASYMMETRIC NITROALDOL (HENRY) REACTION
T. Deng, C. Cai
School of Chemical Engineering, Nanjing University of Science and Technology, 200 Xiao Ling Wei Street, Nanjing, Jiangsu, People's Republic of China O-9
- 16:20 – 16:50 FLUORINATED MALONAMIDES FOR LIQUID-LIQUID EXTRACTION OF f-ELEMENTS
M.-C. Dul¹, D. Bourgeois¹, J. Maynadié¹, D. Meyer¹
¹Laboratoire de Chimie et Physico-chimie des Actinides, Institut de Chimie Séparative de Marcoule, UMR5257, Bât. 426, BP 17171, 30207 Bagnols-sur-Cèze cedex, France O-10
- 16:50 – 17:10 ACID-STABLE HEAVY FLUOROUS TAG WITH THREE FLUOROUS CHAINS FOR CARBOHYDRATE SYNTHESIS
M. Mizuno¹, K. Fukuda^{1,2}, M. Tojino¹, K. Goto¹, H. Dohi², Y. Nishida²
¹Laboratory of Glyco-organic Chemistry, The Noguchi Institute, 1-8-1, Kaga, Itabashi-ku, Tokyo, 173-0003 JAPAN; O-11
²Department of Nanobiology, Graduate School of Advanced Integration Science, Chiba University, 648 Matsudo, Matsudo, Chiba 271-8510, JAPAN
- 17:10 – 17:30 EFFECT OF FLUOROUS SOLVENT CONTENT ON CELL CULTURE
M. C. Z. Kasuya, K. Hatanaka
Institute of Industrial Science, The University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8505, Japan O-12

Poster Session

- 17:30 – 19:40 **Selection Committee for the Best Poster Award:**
J. A. Gladysz, M.-P. Krafft, and G. Pozzi,
P1
UNCONVENTIONAL OPTICAL PURIFICATION METHODS: SELF-DISPROPORTIONATION OF ENANTIOMERS OF FLUORINATED COMPOUNDS BY ACHIRAL CHROMATOGRAPHY
V.A. Soloshonok^{1,2}, A.E. Sorochinsky^{1,2,3}, J.L. Aceña¹
¹Department of Organic Chemistry I, Faculty of Chemistry, University of the Basque Country UPV/EHU, 20018 San Sebastian, Spain;
²IKERBASQUE, Basque Foundation for Science, 48011 Bilbao, Spain;
³Institute of Bioorganic Chemistry & Petrochemistry, National Academy of Sciences of Ukraine, Murmanska 1, Kyiv 02660, Ukraine
- P2
CARBOXYLATION WITH EX-SITU GENERATED CO IN A DUAL SYSTEM USING GAS PERMEABLE PERFLUORINATED POLYMER TUBE
T. Fukuyama¹, C. Brancour¹, Y. Mukai¹, T. Skrydstrup², and I. Ryu
¹Department of Chemistry, Graduate School of Science, Osaka Prefecture University, Sakai, Osaka 599-8531, Japan;
²Center for Insoluble Protein Structure (inSPIN), Interdisciplinary Nanoscience Center and Department of Chemistry, Aarhus University, Gustav Wieds Vej 14, 8000 Aarhus, Denmark
- P3
STUDY OF PARTITION COEFFICIENTS OF FLUOROUS CARBOHYDRATE SYNTHESIS
K. Goto and M. Mizuno
Laboratory of Glyco-Organic Chemistry, The Noguchi Institute, 1-8-1, Kaga, Itabashi-ku, Tokyo, Japan.
- P4

IMPROVING FRUSTRATED LEWIS PAIRS BY THE PRINCIPLE OF SIZE EXCLUSION THEORY

A. Gyömöre, H. Mehdi, T. Soós

H.A.S.-Research Centre for Natural Sciences, Institute of Organic Chemistry,
Budapest, Hungary

P5

SYNTHESIS OF 3-FLUOROINDOLES USING DIETHYL FLUOROMALONATE

A. Harsányi, G. Sandford*

Durham University, South Road, Durham, DH1 3LE, UK

P6

SOLUBILISATION OF ENZYME USING FLUOROUS TECHNIQUE

N. Hoshi^{1,2}, A. Yoshida¹

¹The Noguchi Institute, 1-8-1, Kaga, Itabashi-ku, Tokyo, 173-0003 Japan

²Asahi Kasei Corporation, 2-1, Samejima, Fuji, Shizuoka, 416-8501 Japan

P7

FLUOROUS METAL-EXTRACTION FROM STRONGLY ACIDIC MEDIA

R. Ohtawa¹, S. Itoh¹, and T. Inazu^{1,2}

¹Department of Applied Chemistry, School of Engineering, and ²Institute of Glycoscience,

Tokai University, Kitakaname 4-1-1, Hiratsuka, Kanagawa 250-1292 Japan

P8

THE INFLUENCE OF FLUOROUS TAGGING ON SELF-ASSEMBLING AMPHIPHILIC PROTEINS

R. Milani¹, P. Metrangola^{1,2,3}, M. Linder^{1,4}, G. Resnati^{2,3}, E. Monogioudi¹, M. Baldrighi³

¹VTT Technical Research Centre of Finland, Finland

²Center for Nanoscience and Technology @Polimi, Istituto Italiano di Tecnologia, Italy

³NFMLab, DCMIC "Giulio Natta", Politecnico di Milano, Italy

⁴School of Chemical Technology, Aalto University, Espoo, Finland)

P9

SYNTHESIS OF FLUORINATED POLYMERS

T. Kimura^{1,2}, M. C. Z. Kasuya², K. Matsuoka¹ and K. Hatanaka²

¹Saitama University, 255 Shimoookubo, Sakura-ku, Saitama, Saitama 338-8570, Japan

²The University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8505, Japan

P10

A STEREOCONTROLLED NOVEL SYNTHESIS OF FLUORINATED CISPENTACINS

L. Kiss¹, M. Nonn², R. Sillanpää³, S. Fustero⁴, F. Fülöp^{1,2}

¹Institute of Pharmaceutical Chemistry,

²Stereochemistry Research Group of the Hungarian Academy of Sciences, University of Szeged, H-6720 Szeged, Eötvös u. 6, Hungary

³Department of Chemistry, University of Jyväskylä, FIN-40014, Jyväskylä, Finland

⁴Universidad de Valencia, Facultad de Farmacia, Departamento de Química Orgánica, Valencia, Spain

P11

REACTIVITY OF FLUORINATED PHOSPHINE-THIOETHER LIGANDS TOWARDS RHODIUM COMPLEXES

A.M. López-Vinasco, I. Guerrero-Ríos, E. Martín*

Department of Inorganic Chemistry, Faculty of Chemistry, UNAM, Av. Universidad 3000, México D.F., Mexico

P12

THERMOREVERSIBLE FLUOROUS GELS FOR CELL CULTURE

H. Miyajima¹, M. C. Z. Kasuya¹, K. Hatanaka¹, A. Del Guerso² and J. M. Vincent²

¹Institute of Industrial Science, The University of Tokyo, 4-6-1 Komaba, Meguro-ku, Tokyo 153-8505, JAPAN

²Institut des Sciences Moléculaires, Université de Bordeaux, UMR-CNRS 5255, 351 Crs de la Libération, 33405 Talence Cedex, France

P13

PEROXIDATION OF PERFLUOROALLYL FLUOROSULPHATE WITH HYDROGEN PEROXIDE

I. Wlassics, R. Biancardi, C. Monzani, V. Tortelli, G. Marchionni

Solvay Specialty Polymers, R&D Centre, Viale Lombardia 20, 20021 Bollate, Milan, Italy

P14

OPTIMIZATION OF ¹⁸F PRODUCTION ON ¹⁸FDG RADIOPHARMACEUTICAL

M. Mirzaei, P. Ashtari, A. Sattari

Nuclear Medicine Group, Agriculture and Medicine Research School, Karaj-Iran

P15

DERACEMIZATION AND L- TO D-INTERCONVERSION OF FLUORINATED α -AMINO ACIDS BY FORMATION OF CHIRAL NI(II) COMPLEXES

Chairpersons **in red** agreed, **in blue** asked by e-mail at May 15/RJ

V.A. Soloshonok^{1,2}, A. E. Sorochinsky^{1,2,3}, J.L. Aceña¹, Hi. Moriwaki⁴, T. Sato⁴, R. Takeda⁴

¹Department of Organic Chemistry I, Faculty of Chemistry, University of the Basque Country UPV/EHU, 20018 San Sebastian, Spain

²IKERBASQUE, Basque Foundation for Science, 48011 Bilbao, Spain

³Institute of Bioorganic Chemistry & Petrochemistry, National Academy of Sciences of Ukraine, Murmanska 1, Kyiv 02660, Ukraine

⁴Hamari Chemicals Ltd. 1-4-29 Kunijima, Higashi-Yodogawa-ku, Osaka, Japan 533-0024

Tuesday, June 4.

Session 5.

Chairperson: E. G. Hope

9:00 – 9:45	FLUOROUS SUPRAMOLECULAR CHEMISTRY WITH HALOGEN BONDING G. Cavallo, P. Metrangolo, G. Resnati, G. Terraneo NFMLab, Department of Chemistry, Materials, and Chemical Engineering „Giulio Natta”, Politecnico di Milano, Via L. Mancinelli 7, 20131 Milano, Italy	PL-2
9:45 – 10:15	POLAR POLYCATIONS AND POLYANIONS IN FLUOROUS MEDIA J. A. Gladysz Department of Chemistry, Texas A&M University, PO Box 30012 College Station, Texas 77842-3012, USA	IL-4
10:15 – 10:35	THE DISORDER OF PERFLUOROALKYL CHAINS IN CRYSTALS: INTERPRETATION AND REFINEMENT G. Cavallo, T. Pilati, P. Metrangolo, G. Resnati, G. Terraneo ¹ NFMLab, Department of Chemistry, Materials and Chemical Engineering “G. Natta”, Politecnico di Milano, via Mancinelli 7, 20131 Milano, Italy	O-13
10:35 – 11:00	Break	

Session 6.

Chairperson: J. Kvičala

11:00 – 11:20	SELF-DISPROPORTIONATION OF ENANTIOMERS: WARNING TO ORGANIC CHEMISTS AND EXTRA DIMENSION IN OPTICAL PURIFICATIONS V. A. Soloshonok Department of Organic Chemistry I, Faculty of Chemistry, University of Basque Country UPV/EHU, 20018 San Sebastian, Spain IKERBASQUE, Basque Foundation for Science, 48011 Bilbao, Spain	O-14
11:20 – 11:40	OPTICALLY ACTIVE ORGANOFUORINE COMPOUNDS WITH A TETRACOORDINATED OR HYPERVALENT STEREOGENIC HETEROATOM OR AXIAL CHIRALITY AS POTENTIAL CHIRAL IONIC LIQUIDES AND/OR ORGANOCATALYSTS J. Drabowicz^{1,2}, A. Zając¹, D. Krasowska^{1,2}, B. Bujnicki¹, P. Pokora-Sobczak¹ ¹ Center of Molecular and Macromolecular Studies PAS, 90-363 Lodz, Sienkiewicza 112, Poland; ² Jan Długosz University in Czestochowa, Institute of Chemistry, Environmental Protection and Biotechnology, Armii Krajowej 13/15, 42-201 Czestochowa, Poland	O-15
11:40 – 12:00	GOLD NANOPARTICLES PROTECTED BY FLUORINATED LIGANDS FOR ¹⁹ F MRI M. Boccalon, I. Zucca, R. Spreafico, F. Sousa, F. Stellacci, J. J. Delgado, P. Pengo, L. Pasquato ¹ DSCF, University of Trieste, via L. Giorgieri 1, Trieste, Italy; ² Unit of Scientific Direction, Neurological Institute C. Besta, Milano, Italy; ³ Clinical Epileptology and Experimental Neurophysiology Unit, Neurological Institute C. Besta, Milano, Italy; ⁴ European Center for Nanomedicine, Neurological Institute C. Besta, IFOM-IEO-campus, Milan, Italy. ⁵ Institute of Materials, École Polytechnique Fédérale de Lausanne, Lausanne, Switzerland. ⁶ Departamento de Ciencia de Los Materiales e Ingeniería Metalúrgica y Química Inorgánica, Facultad de Ciencias, Universidad de Cádiz Campus Río San Pedro, 11510-Puerto Real, Cádiz, Spain.	O-16
12:00 – 12:20	HEAVY FLUOROUS CYCLOPENTADIENES – NEW APPROACHES J. Čermák, T. Strašák, L. Č. Šťastná	O-17

Chairpersons **in red** agreed, **in blue** asked by e-mail at May 15/RJ

Department of Organic Synthesis and Analytical Chemistry, Institute of Chemical Process
Fundamentals ASCR, v.v.i., Rozvojová 135, CZ-16502 Prague, Czech Republic

12:20 – 13:45 Lunch

14:00 – Excursion to Visegrád and Banquet

Wednesday, June 5.

Session 7.

Chairperson: V. A. Soloshonok

9:00 – 9:20 TRIFLUOROMETHYLATION OF ARYL HALIDES WITH FLUOROFORM-DERIVED CuCF_3
A. Lishchynskiy, P. Novák, and V. V. Grushin O-18
Institute of Chemical Research of Catalonia (ICIQ), Tarragona 43007, Spain

9:20 – 9:40 COPPER CATALYZED TRIFLUOROMETHYLATION OF AROMATIC AND HETEROAROMATIC
IODIDES WITH IN SITU GENERATED BORATE SALTS
Z. Novák, ¹Zs. Gonda, ¹Cs. Wéber, ²T. Gáti, ²A. Kotschy, O-19
¹Department of Organic Chemistry, Institute of Chemistry. Eötvös University, Pázmány Péter stny. 1/a,
Budapest, Hungary.
²Servier Research Institute of Medicinal Chemistry, Záhony utca 7. Budapest, Hungary

9:40 – 10:00 CHEMOSELECTIVE ADDITIONS OF (TRIFLUOROMETHYL)TRIMETHYLSILANE TO C=O AND
C=N BONDS OF α -IMINOKETONES DERIVED FROM GLYOXALS O-20
E. Objalska,* M. Kowalski
Department of Organic and Applied Chemistry, University of Łódź, Tamka 12, 91-403 L

10:00 – 10:20 Ag(I) TRIFLATE, FLUOROSULFATE AND DIFLUOROPHOSPHATE: THREE UNUSUAL
FLUOROUS LEWIS ACIDS O-21
W. Grochala
¹Centre for New Technologies, University of Warsaw, Zwirki i Wigury 93, 02089 Warsaw, Poland
²Faculty of Chemistry, University of Warsaw, Pasteur 1, 02093, Warsaw, Poland

10:20 – 10:40 Break

Session 8.

Chairperson: J.-M. Vincent

10:40 – 11:25 SUSTAINABILITY OF FLUOROUS CHEMISTRY PL-3
I.T. Horváth
Department of Biology and Chemistry, City University of Hong Kong,
Tat Chee Avenue, Kowloon, Hong Kong

11:25 – 11:45 COMPRESSIBLE MULTI-SCALE CONSTRUCTS: DECORATING THE OUTER SURFACE OF
SELF-ASSEMBLED FLUOROUS MICROBUBBLES WITH IRON OXIDE OR GOLD
NANOPARTICLES O-22
P.N. Nguyen¹, A. Kovalenko¹, P. Polavarapu¹, J. Jouhannaud², G. Pourroy², G. Waton¹,
M.P. Krafft¹
¹SOFFT, Institut Charles Sadron (UPR CNRS 22), University of Strasbourg, 23 rue du Loess,
Strasbourg (France)
²DCMI, Institut de Physique et Chimie des Matériaux de Strasbourg (IPCMS, UMR 7504), University
of Strasbourg, 23 rue du Loess, Strasbourg (France)

11:45 – 12:05 PHASE TRANSFER ACTIVATION OF FLUOROUS GRUBBS' ROMP CATALYST SYSTEMS O-23
R. Tuba¹, H. S. Bazzi¹, J. A. Gladysz
¹Department of Chemistry, Texas A&M University at Qatar, P.O. Box 23874, Doha, Qatar,
²Department of Chemistry, Texas A&M University, P.O. Box 30012, College Station, Texas 77842-
3012, USA

12:05 – 12:25 FLUOROUS CHIRAL BIFUNCTIONAL THIOUREAS AS ORGANOCATALYSTS IN MICHAEL-TYPE
REACTIONS O-24
G. Pozzi¹, S. Orlandi¹, M. Benaglia²
¹Istituto di Scienze e Tecnologie Molecolari del Consiglio Nazionale delle Ricerche, ISTM-CNR, via
Golgi 19, 20133 Milano, Italy.
²Department of Chemistry, University of Milano, via Golgi 19, 20133 Milano, Italy

12:20 – 13:15 **Closing Ceremony--- Chairperson: I. T. Horvath (City University of Hong Kong, China)**

Award Presentation

Chairpersons **in red** agreed, **in blue** asked by e-mail at May 15/RJ

IsoFT 15 --- P. Metrangolo (Politecnico di Milano, Italy)

Closing Remarks --- J. Rabai (Eötvös Loránd University) Hungary