

Programme

Confirmed Plenary Speakers (to Date)

Keynote Lecture

Programme

Thursday September 8, 2022

14:15 **Registration**

15:00 **Welcome and Opening**

Dr Maria DUCA (UNIVERSITY OF CÔTE D'AZUR, Nice, France)
Prof. Rui MOREIRA (UNIVERSITY OF LISBON, Lisbon, Portugal)

15:15 **KL01 - "All Models are Wrong, Some are Useful". The Medicinal Chemist is Never Better Than the Biological Models Available to Assess Compound Properties**

Prof. Benoit DEPREZ
(INSTITUT PASTEUR DE LILLE, Lille, France)

15:45 **EFMC-YMCS Competition Presentation Session I**

Session Chair:

Dr Maria DUCA
(UNIVERSITY OF CÔTE D'AZUR, Nice, France)

15:45 **OC01 - Degrading Into Opportunities: Self-Immolation as Mechanism for Artificial Signal Transduction Winner of the young medicinal chemist meeting in Denmark**

Dr Kaja BORUP LØVSCHALL
(TECHNICAL UNIVERSITY OF DENMARK, København Ø, Denmark)

16:05 **OC02 - From a Helix to a Cycle: Peptide Macrocyclization Strategies to Develop New Antimicrobial Agents Winner of the young medicinal chemist meeting in Italy**

Dr Francesco MERLINO
(UNIVERSITY OF NAPLES, FEDERICO II, Naples, Italy)

16:25 **OC03 - Disruption of Mitochondrial Redox Homeostasis by Enzymatic Activation of a Trialkylphosphine Probe Winner of the young medicinal chemist meeting in Switzerland**

Ms Jade NGUYEN
(EPFL, Geneva, Switzerland)

16:45 **Flash Poster Presentations (Part I)**

FP01 – Triazine-Based Small Molecules as Novel PD-L1 Modulators

Ms Giulia ASSONI
(UNIVERSITY OF TRENTO, Trento, Italy)

FP02 - Synthesis and Preclinical Validation of Limks Inhibitors: Promising Drugs for Osteosarcoma Treatment?

Mr Rayan BERABEZ
(UNIVERSITÉ D'ORLÉANS, ORLEANS, France)

FP03 - Development of Encoded Combinatorial Chemistry for The Identification of Specific Ligands of G-Quadruplex DNA Structures

Dr Gilles DEGOTTE
(I2BM/UNIVERSITY GRENOBLE ALPES, Grenoble, France)

FP04 - Synthesis and Biological Activity of Novel Azoniaspiro Type Quaternary Fluoroquinolones

Dr Joanna FEDOROWICZ
(MEDICAL UNIVERSITY OF GDANSK, Gdansk, Poland)

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FP05 - Development of Novel Necroptosis Inhibitors Targeting RIPK1

Ms Lara FIDALGO
(FF.ULISBOA, Lisboa, Portugal)

FP06 - Discovery of JNJ-1245, a Novel and Potent Fluoroallylamide MCL-1 Inhibitor for the Treatment of Hematologic Malignancies

Dr Soufyan JERHAOU
(JANSSEN PHARMACEUTICA NV, Beerse, Belgium)

FP07 - Target-Directed Dynamic Combinatorial Chemistry Towards the Discovery of Sars-Cov-2 Anti-Virals Targeting NSP10

Dr Gwenaëlle JÉZÉQUEL
(HZI, Braunschweig, Germany)

FP08 - Panicein a Hydroquinone and Analogs Overcome Chemotherapy Resistance in Cancer Cell

Mrs Sandra KOVACHKA
(UNIVERSITÉ COTE D'AZUR, Nice, France)

FP09 - Development of Bioorthogonal Palladium Catalysed Reactions for Specific Anticancer Drug Delivery

Ms Marine LEFEVRE
(UCLOUVAIN, Louvain la Neuve, Belgium)

FP10 - Design, Synthesis & Evaluation of Novel Aminopeptidase Inhibitors as Potent Antimalarials

Ms Mahta MANSOURI
(MONASH INSTITUTE OF PHARMACEUTICAL SCIENCES, Parkville, Australia)

FP15 - Synthesis and Biological Evaluation of Schistosoma Mansoni Sirtuin2 (SMSIRT2) Inhibitors

Dr Beatrice NOCE
(SAPIENZA, UNIVERSITY OF ROME, Rome, Italy)

FP16 - Design, Synthesis and Biological Evaluation of New Rna Ligands Targeting miRNA-210: Modulation of the Circadian Clock for Cancer Therapy

Mr Marc PANOSSETTI
(INSTITUT DE CHIMIE DE NICE - UNIVERSITÉ COTE D'AZUR, Nice, France)

FP17 - A Small Fluorescent Ligand to Investigate Soluble Epoxide Hydrolase Engagement in Living Cells

Ms Julia SCHOENFELD
(GOETHE-UNIVERSITY, Frankfurt am Main, Germany)

FP18 - Bactericidal Autophagy Inhibitors to Treat Recurrent Infections and Cancer

Mrs Alessandra UGOLINI
(FONDAZIONE ISTITUTO ITALIANO DI TECNOLOGIA (IIT), Genoa, Italy)

17:15 Coffee Break & Exhibition

EFMC-YMCS Competition Presentation Session II

Session Chair:

Dr Michele MARI
(UNIVERSITY OF URBINO, Urbino, Italy)

17:35 OC04 - Epitope Identification, a Case Study: Nanobodies Binding to MGLU5 Receptor Winner of the young medicinal chemist meeting in France

Ms Floriane ESHAK
(UNIVERSITY PARIS CITÉ, Paris, France)

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- 17:55** **OC05 - Studies on the Synthesis and Anticancer Potential of Novel 2,4-Diaminopyrimidine Derivatives**
Winner of the young medicinal chemist meeting in Turkey
Dr Deniz LINGERLI
(GAZI UNIVERSITY FACULTY OF PHARMACY, Ankara, Turkey)
- 18:15** **OC06 - Unraveling the Potential of Multicomponent Reactions in Drug Discovery**
Winner of the young medicinal chemist meeting in Spain
Mr Pau Nadal RODRÍGUEZ
(UNIVERSITY OF BARCELONA, Barcelona, Spain)
- 18:35** **EFMC-YMCS Poster Presentation Session 1 (Odd), Networking & Exhibition**
- 20:30** **End of the Day**

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Friday September 9, 2022

08:40 EFMC-YMCS Competition Presentation Session III

Session Chair:

Dr Stéphane AZOULAY
(UNIVERSITY OF CÔTE D'AZUR, Nice, France)

08:40 OC07 - Hydrophilic and Lipophilic Derivatives of Protulactone A: Synthesis, Antiproliferative Activity and Sar Analysis
Winner of the young medicinal chemist meeting in Serbia

Ms Sanja DJOKIC
(UNIVERSITY OF NOVI SAD, Novi Sad, Serbia)

09:00 OC08 - Advances in the Development of Novel Therapeutics Targeting Neurodegenerative Diseases
Winner of the young medicinal chemist meeting in Germany (DPHG)

Dr Steffen POCKES
(UNIVERSITY OF REGENSBURG, Regensburg, Germany)

09:20 OC09 - Design, Synthesis and Biological Evaluation of Novel P53 Activators by Targeting P53 Protein-Protein Interactions
Winner of the young medicinal chemist meeting in Portugal

Dr Margarida ESPADINHA
(UANTWERPEN, Antwerp, Belgium)

09:40 OC10 - Elevated Vacuolar Uptake of Fluorescently Labeled Antifungal Drug Caspofungin Predicts Echinocandin Resistance in Pathogenic Yeast
Winner of the young medicinal chemist meeting in Israël

Mr Jaber QAIS
(TEL AVIV UNIVERSITY, taiybe, Israel)

10:00 Flash Poster Presentations (Part II)

FP11 - Antibody-Protac Conjugates: An Approach for Targeted Selective BRD4 Degradation in HER2+ Phenotypes

Dr Maria MANEIRO
(UNIVERSIDADE DE SANTIAGO DE COMPOSTELA, Santiago de Compostela, Spain)

FP12 - Preclinical Evaluation of Antibody Recruiting Glycodendrimers (ARGs) for Cancer Therapy

Dr Angela MARTIN SERRANO ORTIZ
(UNIVERSITÉ GRENOBLE-ALPES, Grenoble, France)

FP13 - Development of Orally Available Cyclic Peptide Therapeutics

Mr Manuel MERZ
(SWISS FEDERAL INSTITUTE OF TECHNOLOGY LAUSANNE (EPFL), Lausanne, Switzerland)

FP14 - Sar of Triquinazine, a Class of Potent Janus Kinase Inhibitors

Ms Kleni MULLIRI
(UNIVERSITY OF BERN, Bern, Switzerland)

FP19 - Potent and Specific Activators for The Mitochondrial Sirtuins SIRT3 And SIRT5

Dr Clemens ZWERGEL
(SAPIENZA UNIVERSITY OF ROME, Rome, Italy)

10:10 Coffee Break

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10:40 EFMC-YMCS Competition Presentation Session IV

Session Chair:

Dr Maja BEUS
(INSTITUTE FOR MEDICAL RESEARCH, Durham, United States)

10:40 OC11 - A Chemical Biological Approach to Study GPCRS: Labeling the Adenosine A1 Receptor Using an Electrophilic Covalent Probe Winner of the young medicinal chemist meeting in The Netherlands

Mr Bert BEERKENS
(LEIDEN UNIVERSITY, Leiden, The Netherlands)

11:00 OC12 - Indole and Pyrazole as Versatile Scaffolds for Biological Active Compounds: New Chimeric Kinase and Bromodomain Inhibitors Winner of the young medicinal chemist meeting in Greece

Mrs Amalia KALAMPALIKI
(NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS, Athens, Greece)

11:20 OC13 - The Complementarity Principle in Docking Procedures: Evaluation of the Correctness of Binding Poses Winner of the young medicinal chemist meeting in Croatia

Dr Hrvoje RIMAC
(UNIVERSITY OF ZAGREB, Zagreb, Croatia)

11:40 OC14 - Development of Multifunctional BuChE Inhibitors and 5-HT₆R Antagonists with Beta-Amyloid Anti-Aggregation Properties as Potential Disease-Modifying Agents against Alzheimer's Disease Winner of the young medicinal chemist meeting in Poland

Mr Tomasz WICHUR
(UNIwersytet Jagielloński Collegium Medicum, Krakow, Poland)

12:00 Lunch, Networking & Exhibition

12:30 EFMC-YMCS Poster Presentation Session 2 (Even)

13:45 EFMC-YMCS Competition Presentation Session V

Session Chair:

Dr Kristina GONCHARENKO
(ZIFO RND SOLUTIONS, Basel, Switzerland)

13:45 OC15 - Breaking the Paradigm: Radiolabelled CCK₂R Antagonists Are Superior to Radiolabelled Agonists in *In Vivo* Setting Winner of the young medicinal chemist meeting in Slovenia

Ms Doroteja NOVAK
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

14:05 OC16 - Discovery, Characterization and Engineering of Ligases for Amide Synthesis Winner of the young medicinal chemist meeting in United Kingdom

Mr Michael ROWLINSON
(UNIVERSITY OF MANCHESTER, Manchester, United Kingdom)

14:25 OC17 - Design, Synthesis, and Preliminary Biological Evaluation of New Boronic Acids Derivatives Winner of the young medicinal chemist meeting in Czech Republic

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Mr Petr SLECHTA
(CHARLES UNIVERSITY, Hradec Králové, Czech Republic)

**14:45 OC18 - Unravelling H1DO1 Conformational Dynamic to Guide the Discovery of New Inhibitors
Winner of the young medicinal chemist meeting in Belgium (SRC)**

Ms Manon MIRGAUX
(UNIVERSITÉ DE NAMUR, Namur, Belgium)

**15:05 OC19 - Fighting Chemistry with Chemistry - New Antidotes against Nerve Agent Intoxication
Winner of the young medicinal chemist meeting in Sweden**

Mr Norman HOSTER
(UMEA UNIVERSITY, Umea, Sweden)

15:25 Voting Break

15:40 KL02 - Medicinal Chemistry Today: Be Prepared for the Unexpected!

Dr Gerhard MUELLER
(ANAVO THERAPEUTICS, Basel, Germany)

16:10 Closing and Award Ceremony

16:30 End of the Symposium

16:45 Optional Programme

Session Chair:

Dr Kristina GONCHARENKO
(ZIFO RND SOLUTIONS, Basel, Switzerland)

16:45 EFMC-YSN Soft Skills Training (1) - Reaxys Workshop: A Tandem Tour to Unveil the Profile of An Active Molecule

Dr Giulia MONCELSI
(ELSEVIER LIFE SCIENCES, Amsterdam, The Netherlands)

17:30 EFMC-YSN Soft Skills Training (2) - Reaching Out: Effective Communication and Networking for Scientists

Dr David PERALTA
(CHEMMEDCHEM/CHEMISTRY EUROPE, Weinheim, Germany)

18:15 End of the Optional Programme