

Thursday September 7, 2023

Registration

Welcome and Opening

Dr Maja BEUS (DUKE UNIVERSITY, Durham, United States)
Dr Hrvoje RIMAC (SELVITA, Zagreb, Croatia)

KL01 - Druggability Beyond the Rule of Five

Dr Sanja KOSTRUN
(SELVITA LTD., Zagreb, Croatia)

EFMC-YMCS Competition Presentation Session I

Session Chair

Dr Hrvoje RIMAC
(SELVITA, Zagreb, Croatia)

OC01 - Shedding Light on L-Type Calcium Channels with Novel Far-Red Fluorescent Ligands Winner of the young medicinal chemist meeting in Belgium (KVCV)

Mrs Carlotta BORGARELLI
(KU LEUVEN, Heverlee, Belgium)

OC02 - Biophysical Screening for the Identification of Small Molecules as Lactate Dehydrogenase (LDHS)'s Oligomeric State Disruptors Winner of the young medicinal chemist meeting in Belgium (SRC)

Mrs Chiara BRUSTENGA
(UCL/LDRI, Bruxelles, Belgium)

OC03 - Discovery of Allosteric Modulators of A2A Receptors Winner of the young medicinal chemist meeting in Croatia

Ms Tana TANDARIC
(RUDER BOSKOVIC INSTITUTE, Zagreb, Croatia)

OC04 - Molecular Sensing and Imaging of Carbon Dioxide Incomplex Environments Winner of the young medicinal chemist meeting in Israel

Dr Ori GREEN
(ETH ZURICH, Zürich, Switzerland)

Flash Poster Presentations (Part I)

FP01 – In Silico-Aided Optimization of Metallo Beta-Lactamase Inhibitors Active against Clinically Relevant Carbapenemases

Dr Matteo BERSANI
(UNIVERSITÀ DEGLI STUDI DI TORINO, Torino, Italy)

FP02 – Voc's Art: Voc-Based Probes for Exploration, Detection and Monitoring of Pathologies

Ms Estelle BLOCHOUSE
(IC2MP CNRS, Poitiers, France)

FP03 – Using Chemical Modification of Anticancer Drug Scaffolds to Study Efflux Mediated Chemoresistance in Cancer Cells

Mrs Madiha CHOWDHURY
(KINGS COLLEGE LONDON, London, United Kingdom)

Programme

FP04 – Semi-Synthesis of Thioglycoside Derivatives of the Natural Product Antibiotic Fidaxomicin

Ms Isabella FERRARA
(UNIVERSITY OF ZURICH, Zurich, Switzerland)

FP05 – Carbamates as Potential New Drugs in the Treatment of Alzheimer's Disease

Dr Ana MATOSEVIC
(INSTITUTE FOR MEDICAL RESEARCH AND OCCUPATIONAL HEALTH (IMI), Zagreb, Croatia)

FP06 – GPR84 Structural-Functional Selectivity Relationship (SFSR) Reveals Distinct Responses Induced by Biased Agonists

Mr Wang PINQI
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

FP07 – Design, Synthesis and in vitro Evaluation of New Peptide-Based Inhibitors Targeting Sars-Cov-2 Main Protease, Focusing on the Exploration of Heterocyclic Systems for the S3/S4 Sub-Pockets

Dr Sara ROSSI
(UNIVERSITY OF SIENA, Grosseto, Italy)

FP08 – A Multistep High-Throughput Chemistry Platform to Take Protac Synthesis and Testing to a New Level

Ms Rebecca STEVENS
(GSK/UNIVERSITY OF STRATHCLYDE, Stevenage, United Kingdom)

FP09 – Development of Dual-Functionalized Fluorophores to Monitor Antibody Delivery Systems

Ms Tracey LUU
(MONASH UNIVERSITY, Parkville, Australia)

FP10 – Discovery of Potent Tetrazole Free Fatty Acid Receptor 2 Antagonists

Ms Alice VALENTINI
(UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

FP13 – Photoswitching HDAC Inhibitors for the Spatiotemporal Targeting of Cancer Cells with Light

Dr Laia JOSA CULLERE
(INSTITUTE FOR ADVANCED CHEMISTRY OF CATALONIA (IQAC-CSIC), Barcelona, Spain)

Coffee Break & Exhibition

EFMC-YMCS Competition Presentation Session II

Session Chair

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

OC05 - Optimization of a Pyridylpiperazine Series as a Novel Class of Efflux Pump Inhibitors in E. Coli to Fight Antimicrobial Resistance

Winner of the young medicinal chemist meeting in France (SCT)

Ms Nina COMPAGNE
(INSERM U1177 DRUGS AND MOLECULES FOR LIVING SYSTEMS, Lille, France)

OC06 - Ga(III) Siderophore Complexes - A Metallo-Trojan Horse Strategy to Tackle Antimicrobial Resistance

Winner of the young medicinal chemist meeting in Ireland

Mr Lewis MORE O'FERRALL
(ROYAL COLLEGE OF SURGEONS, Dublin, Ireland)

OC07 - Discovery of Isoquinoline Sulfonamides as Gyrase Inhibitors Active against Fluoroquinolone-Resistant Bacteria

Winner of the young medicinal chemist meeting in The Netherlands

Programme

Dr Alexander BAKKER
(LEIDEN UNIVERSITY, 's-Gravenhage, The Netherlands)

**OC08 - Design Principles for Cyclin K Molecular Glue Degraders
Winner of the 2023 EFMC-YSN PhD Prize**

Mrs Zuzanna KOZICKA
(FRIEDRICH MIESCHER INSTITUTE FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

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)

EFMC-YMCS Poster Presentation Session 1

EFMC-YSN Networking Event

End of the Day

Friday September 8, 2023

EFMC-YSN Soft Skills Training (2) - Career Panel Discussion

Dr Kristina GONCHARENKO (ZIFO RND SOLUTIONS, Basel, Switzerland)
Dr Sanja KOSTRUN (SELVITA LTD., Zagreb, Croatia)
Mr Patrik NIKOLIC (OPTIBRIUM, Cambridge, United Kingdom)
Dr David PERALTA (CHEMMEDCHEM/CHEMISTRY EUROPE, Weinheim, Germany)
Dr Minh Thao TRAN (JANSSEN PHARMACEUTICA, Beerse, Belgium)
Dr Chiara BORSARI (UNIVERSITY OF MILAN, Milan, Italy)

EFMC-YMCS Competition Presentation Session III

Session Chair

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

KL02 - Leveraging Natural Products to Afford New Therapeutic Leads That Can Target Resistant Tumors

Prof. Thomas POULSEN
(AARHUS UNIVERSITY, Aarhus C, Denmark)

**OC09 - Synthesis of Quinazoline Derivatives as Anticancer Agents
Winner of the young medicinal chemist meeting in Greece**

Dr Eleftheria GEORGIU
(NKUA, Athens, Greece)

**OC10 - Synthesis and Cytotoxic Activity of Novel Sclareol Derivatives
Winner of the young medicinal chemist meeting in Serbia**

Mr Pavle A. STOJKOVIC
(UNIVERSITY OF BELGRADE, Beograd, Serbia)

**OC11 - From Pan to Pi3K?-Selective Inhibitors: A Covalent Strategy to Fine-Tune Isoform-Specific Targeting
Winner of the young medicinal chemist meeting in Italy**

Dr Chiara BORSARI
(UNIVERSITY OF MILAN, Milan, Italy)

**OC12 - Heterobifunctional E3 Ligase Recruiters Enable Pan-Degradation of Inhibitor of Apoptosis Proteins
Winner of the young medicinal chemist meeting in Slovenia**

Mrs Alesa BRICELJ
(UNIVERSITY OF LJUBLJANA, FACULTY OF PHARMACY, Ljubljana, Slovenia)

Flash Poster Presentations (Part II)

FP11 – Design and Synthesis of Novel RNA Ligands as Inhibitors of Oncogenic Micrornas Production

Mr Jihed AZZOUZ
(INSTITUT DE CHIMIE DE NICE-ICN, Nice, France)

FP12 – Synthesis Optimization of the First in Class 3CLPRO Inhibitor Nirmatrelvir

Mrs Anastasia FERRARO
(UNIVERSITÀ DEGLI STUDI DI NAPOLI FEDERICO II, Napoli, Italy)

FP15 – Aminoacrylamides with Potential Anti-Breast Cancer Activity Act Through 14-3-3 σ /Er- γ PPI Stabilization

Dr Paulo PITASSE SANTOS
(UNIVERSITY OF LEICESTER, Leicester, United Kingdom)

Programme

FP16 – Development of First-In-Class Dual LSD1-PRMT5 Inhibitors for the Treatment of Acute Myeloid Leukemia

Ms Alessia RAUCCI
(SAPIENZA UNIVERSITY OF ROME, Rome, Italy)

FP17 – Design, Development and Evaluation of Novel Anticancer Drugs Targeting Protein Kinase D2 (Pkd2)

Ms Lauren VOETS
(KU LEUVEN RESEARCH AND DEVELOPMENT, Leuven, Belgium)

FP18 – Novel Activators of Slack Potassium Channels for the Treatment of Histamine-Independent and Chronic Itch

Mr Wenxin Felix ZHU
(GOETHE UNIVERSITÄT FRANKFURT, Frankfurt, Germany)

FP19 – Synthesis, Photochemistry and Biological Activity of Novel Bodipy Photochages as Potential Anticancer Phototherapeutics

Ms Katarina ZLATIĆ
(RUDER BOSKOVIC INSTITUTE, Zagreb, Croatia)

Coffee Break & Exhibition

EFMC-YMCS Competition Presentation Session IV

Session Chair

Dr Isabella ROMEO
(MAGNA GRÆCIA UNIVERSITY, Catanzaro, Italy)

OC13 - Peroxide-Cleavable Linkers for Antibody-Drug Conjugates Winner of the young medicinal chemist meeting in United Kingdom

Mrs Nicola ASHMAN
(UNIVERSITY OF CAMBRIDGE, Cambridge, United Kingdom)

OC14 - Accelerating Mechanistic Deconvolution Using Chemical Biological Tools Winner of the young medicinal chemist meeting in Denmark

Mr Esben BJERREGAARD SVENNINGSEN
(AARHUS UNIVERSITY, Aarhus C, Denmark)

OC15 - Novel 5-Ht6 Receptor Inverse Agonists and Neutral Antagonists Derived from 2-Arylpyrrole: Sustainable Synthesis and Pharmacological Profiling Winner of the young medicinal chemist meeting in Poland

Dr Marcin DROP
(JAGIELLONIAN UNIVERSITY MEDICAL COLLEGE, Krakow, Poland)

OC16 - Styrylbenzothiazole Photoswitches for Spatiotemporal Control over Microtubule-Dependent Biology Winner of the young medicinal chemist meeting in Germany

Mr Li GAO
(ROCHE, Penzberg, Germany)

Lunch, Networking & Exhibition

EFMC-YMCS Poster Presentation Session 2

EFMC-YMCS Competition Presentation Session V

Programme

Session Chair

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

OC17 - Antimicrobial Photodynamic Therapy Combined with Antimicrobials: an Alternative Approach for Eradication of Gram-Negative Bacteria

Winner of the young medicinal chemist meeting in Portugal

Mr Rafael AROSO
(UNIVERSIDADE DE COIMBRA, Coimbra, Portugal)

OC18 - Hitting a New Combination of Biological Targets to Cope with Alzheimer's Disease

Winner of the young medicinal chemist meeting in Spain

Ms Noemí MARTÍNEZ CONDE
(UNIVERSITY OF BARCELONA, Barcelona, Spain)

OC19 - Cyclic Tetrapeptides: Novel Remedy for Lead Poisoning

Winner of the young medicinal chemist meeting in Switzerland

Mrs Tagwa MOHAMMED
(UNIVERSITY OF ZURICH, Zurich, Switzerland)

OC20 - Redox Probes and Bioreductive Prodrugs

Winner of the 2023 Symeres PhD Prize for Excellence in Chemistry in Life Sciences Research

Dr Jan G. FELBER
(UNIVERSITÄT MÜNCHEN, München, Germany)

Voting Break

KL03 - Trends in Medicinal Chemistry and Chemical Biology

Dr Yves P. AUBERSON
(NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH, Basel, Switzerland)

Closing and Award Ceremony

End of the Symposium