EFMC-YMCS 2021

Programme

Thursday September 9, 2021

Session DAY 1 - Morning Session

Session Chair

Prof. Dennis GILLINGHAM
(UNIVERSITY OF BASEL, Basel, Switzerland)

09:30 **Opening Ceremony**

Prof. Rui MOREIRA (UNIVERSITY OF LISBON, Lisbon, Portugal)
Prof. Dennis GILLINGHAM (UNIVERSITY OF BASEL, Basel, Switzerland)

09:40 **KL01 - Powerful New Tools for Augmented Medicinal Chemistry**

Dr Werngard CZECHTIZKY
(ASTRAZENECA, Mölndal, Sweden)

10:10 **OC01 - Design and Synthesis of Novel Benzothiazole-Piperazine Propanamide Derivatives for Multi-Targeted Approach in Alzheimer's Disease Treatment**
Winner of the Young Medicinal Chemist Meeting in Turkey

Ms Bengisu TURGUTALP
(YEDITEPE UNIVERSITY, New York, Turkey)

10:30 **OC02 - Design and Synthesis of Dual Inhibitors Of DYRK1A/CLK1 Kinases Involved in Neurodegenerative Diseases**
Winner of the Young Medicinal Chemist Meeting in France

Mrs Clementine PESCHETEAU
(ICOA, ORLEANS, France)

10:50 **OC03 - Towards the Development of ACSL4 Selective Inhibitors to Prevent Ferroptosis in Neurodegenerative Diseases**
Winner of the Young Medicinal Chemist Meeting in Belgium (SRC)

Mr Romain MARTEAU
(LOUVAIN DRUG RESEARCH INSTITUTE, Woluwe-Saint-Lambert, Belgium)

11:10 **Networking Break**

11:20 **OC04 - Small Organic Molecules to Trigger the Activity of NK Cells**
Winner of the Young Medicinal Chemist Meeting in Portugal

Dr Pedro PINHEIRO
(INSTITUTO SUPERIOR TÉCNICO, Lisboa, Portugal)

11:40 **OC05 - Novel Hdac6-Selective Inhibitor for Glioblastoma Treatment**
Winner of the Young Medicinal Chemist Meeting in Croatia

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

12:00 **OC06 - Design and Synthesis of Brain Penetrant P38-Alpha Mitogen-Activated Protein Kinase Inhibitors**
Winner of the Young Medicinal Chemist Meeting in Germany (DPhG)

Dr Pierre KOCH
(UNIVERSITÄT REGENSBURG, Germany)

Flash Poster Presentations (Odd numbers)

12:20 **FP01 - Electrophilic Warheads for The Assessment of Tractable Cysteines**

Dr Peter ÁBRÁNYI-BALOGH
(RESEARCH CENTRE FOR NATURAL SCIENCES, Budapest, Hungary)

FP03 - Synthesis and In Vitro Evaluation of Novel G6Pd Inhibitors

Mr Andrea BACCI
(UNIVERSITY OF PISA, Pisa, Italy)

FP05 - Synthesis, Development and Evaluation of a Therapeutic Peptide Conjugate to Protect Biomaterials from Undesired Immune Attack

Dr Clément BECHTLER
(UNIVERSITY OF BASEL, Wuppertal, Germany)

FP07 - Inhibition of the Protein-“Rna Interaction of Lin28 and Let-7 with Trisubstituted Pyrrolinones

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Ms Lydia BORGELT
(MAX PLANCK INSTITUTE OF MOLECULAR PHYSIOLOGY, Dortmund, Germany)

FP09 - Azaaurones as Novel Chemotypes against Mycobacterium Tuberculosis: Sar, Adme Profiling and Photo-Switching Properties

Mr André CAMPANICO
(I.MED.ULISBOA - FFULISBOA, Lisboa, Portugal)

FP11 - Protac Technology to Investigate Dysregulation of the Ubiquitin-Proteasome System

Ms Carlotta CECCHINI
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

FP13 - High-Affinity Glycomimetic Ligands for Human Siglec-8

Mr Gabriele CONTI
(UNIVERSITY OF BASEL, Basel, Switzerland)

FP15 - Synthesis and Biological Evaluation of Novel Variously Substituted 3-Benzyl-Quinolin-2(1H)-Ones as Potent Agonists of the Gpr55 Receptor

Mrs Ceni COSTANZA
(UNIVERSITY OF PISA, Empoli, Italy)

FP17 - Design and Synthesis of Novel Androgen Receptor Splice Variant-7 Protacs for the Treatment of Castration-Resistant Prostate Cancer

Ms Jenny DESANTIS
(UNIVERSITY OF PADUA, Padova, Italy)

FP19 - A Novel Covalent Approach for Stabilising 14-3-3Î£ Protein-Protein Interactions

Ms Marta FALCICCHIO
(UNIVERSITY OF LEICESTER, Leicester, United Kingdom)

12:40 **End of Morning Session**

Poster Session 1 (Odd numbers) & Networking

Session Roundtable

15:30 **Round Table Discussion: "The Stories Behind the Medicinal Chemists in Industry"**

Ms Helen AYLOTT (GSK, Stevenage, United Kingdom)
Dr Maude GIROUD (F. HOFFMANN-LA ROCHE, Basel, Switzerland)
Dr Toni METSÄNEN (ORION PHARMA, Espoo, Finland)
Dr Fabrizio MICHELI (APTUIT, AN EVOTEC COMPANY, Verona, Italy)
Dr Nikolay SITNIKOV (NUVISAN ICB GMBH, Berlin, Germany)
Dr Fionn O'HARA (F. HOFFMANN-LA ROCHE, Basel, Switzerland)

Session DAY 1 - Afternoon Session

Session Chair

Dr Michal SHOSHAN
(UNIVERSITY OF ZURICH, Zürich, Switzerland)

16:45 **OC07 - Metatacs: A Strategy for Metastasis Prevention Through Targeted Fascin Degradation**
Winner of the Young Medicinal Chemist Meeting in United Kingdom

Ms Sarah MEMARZADEH
(UNIVERSITY OF GLASGOW, Glasgow, United Kingdom)

17:05 **OC08 - Structure Elucidation of Artificial, Self-Assembling Squalene-Conjugates and ?-Peptides**
Winner of the Young Medicinal Chemist Meeting in Hungary

Dr Dora BOGDAN
(SEMMELWEIS UNIVERSITY, Budapest, Hungary)

17:25 **OC09 - Intracellular Receptor Modulation: Intracellular Ligands for Chemokine Receptors**
Winner of the Young Medicinal Chemist Meeting in The Netherlands

Dr Natalia V. ORTIZ ZACARIAS
(LACDR, LEIDEN UNIVERSITY, Leiden, The Netherlands)

17:45 **OC10 - A Mating Mechanism to Generate Diversity for the Darwinian Selection Of DNA-Encoded Synthetic Molecules**
Winner of the Young Medicinal Chemist Meeting in Switzerland

Mr Lluc FARRERA SOLER
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

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End of Day 1

Session DAY 1 - Networking Event

19:00 **EFMC-YSN Virtual Networking Event**

EFMC-YMCS 2021

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Friday September 10, 2021

Session DAY 2 - Morning Session

Session Chair

Dr Kristina GONCHARENKO
(YOUNG SCIENTISTS NETWORK, Basel, Switzerland)

09:30 **Opening**

09:40 **KL02 - Discovery of Risdiplam (Evrysdi): A Medicine for the Treatment of Spinal Muscular Atrophy**

Dr Hasane RATNI
(F. HOFFMANN-LA ROCHE LTD, Basel , Switzerland)

10:10 **OC11 - Taming Multiple Contiguous Chiral Centers Through Dynamic Kinetic Resolution**
Winner of the Young Medicinal Chemist Meeting in Slovenia

Dr Andrej Emanuel COTMAN
(FACULTY OF PHARMACY, UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

10:30 **OC12 - Modulators of Coactivator-Associated Arginine Methyltransferase 1 (CARM-1): There and Back Again**
Winner of the Young Medicinal Chemist Meeting in Italy

Dr Ciro MILITE
(UNIVERSITY OF SALERNO, Fisciano, Italy)

10:50 **OC13 - Hydroxamic Acid-Functionalized Peptide Microarrays for the Study of Zn(II)-Dependent Histone Deacetylases**
Winner of the Young Medicinal Chemist Meeting in Denmark

Dr Carlos MORENO YRUELA
(UNIVERSITY OF COPENHAGEN, Copenhagen, Denmark)

11:10 **Networking Break**

11:20 **OC14 - Cleistanolate Analogues: Synthesis, Citotoxicity and SAR Study**
Winner of the Young Medicinal Chemist Meeting in Serbia

Ms Jelena KESIC
(FACULTY OF SCIENCES, NOVI SAD, SERBIA, Novi Sad, Serbia)

11:40 **OC15 - deepSIBA: Chemical Structure-Based Inference of Biological Alterations Using Deep Learning**
Winner of the Young Medicinal Chemist Meeting in Greece

Dr Christos FOTIS
(NATIONAL TECHNICAL UNIVERSITY OF ATHENS, Athens, Greece)

12:00 **OC16 - ITH15004, A Novel Blood-Brain Barrier-Permeable P2X7 Antagonist: From Drug Design to Pharmacological Applications**
Winner of the Young Medicinal Chemist Meeting in Spain

Dr Francesco CALZAFERRI
(CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), Montpellier Cedex 5, France)

Flash Poster Presentations (Even numbers)

12:20 **FP02 - From Orthosteric and Allosteric Modulators to Dualsteric/Bitopic Ligands: a New Molecular Alliance at Cb2 Receptor**

Dr Francesca GADO
(UNIVERSITÀ DI PISA, Pisa, Italy)

FP04 - Rational Design of Light-Controlled Bioactive Compounds for Photopharmacology

Mr Piermichele KOBAURI
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

FP06 - Neuroprotective, Neurotrophic and Anti-Inflammatory Activity of New Synthetic Dhea Neurotrophin Mimetic Derivatives

Ms Alessia LATORRATA
(NATIONAL HELLENIC RESEARCH FOUNDATION, Athens, Greece)

FP08 - Novel Class of Antinecroptotic Inhibitors: Synthetic Approach and In Vitro Assays

Mr André LUZ
(FACULTY OF PHARMACY, UNIVERSITY OF LISBON, Lagos, Portugal)

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FP10 - Comparative Study of Ck1-Crbn and Ck2-Crbn Complexes using Computational Methods

Mrs Laura MARQUEZ
(SAN PABLO CEU UNIVERSITY, Alcorcón, Madrid, Spain)

FP12 - Towards Protac-Mediated Degradation of Cbp/Ep300

Mr Leonardo PALAFERRI
(UZH, Zurich, Switzerland)

FP14 - Optimization of Compound Metabolic Stability via Shap

Dr Sabina PODLEWSKA
(MAJ INSTITUTE OF PHARMACOLOGY POLISH ACADEMY OF SCIENCES, Krakow, Poland)

FP16 - In Vivo Photocontrol of Adrenergic Neurotransmission

Dr Davia PRISCHICH
(INSTITUTE FOR BIOENGINEERING OF CATALONIA (IBEC) , Barcelona, Spain)

FP20 - Targeting Myeloid Leukemias using Human Dihydroorotate Dehydrogenase Inhibitors based on 2-Hydroxypyrazolo[1,5-A]Pyridine Scaffold: Overcoming of Metabolic Issues

Dr Chiara VIGATO
(UNIVERSITY OF TURIN, Torino, Italy)

FP18 - The E3 Platform: an Investigation of the 3D Pocket Space for Protac Design

Dr Tommaso PALOMBA
(UNIVERSITÀ DEGLI STUDI DI PERUGIA, Perugia, Italy)

12:40 **End of Morning Session**

Poster Session 2 (Even numbers) & Networking

Session DAY 2 - Afternoon Session

Session Chair

Dr Laetitia MARTIN
(F. HOFFMANN-LA ROCHE , Basel, Switzerland)

16:00 **Preparing a Funding Proposal: Setting Yourself up for Success**

Dr Kaycie BUTLER
(BUTLER SCIENTIFIC COMMUNICATIONS, Lausanne, Switzerland)

16:45 **OC17 - Far-Red Fluorescent DNA Binder Allows Host-Pathogen Interaction Studies of Multidrug-Resistant Bacteria**
Winner of the Young Medicinal Chemist Meeting in Germany (GDCh)

Dr Benedikt HEINRICH
(LABORARZTPRAXIS, Bad Vilbel, Germany)

17:05 **OC18 - New 5-Arylideneimidazolones in the Ongoing Battle Against Bacterial and Cancer Multidrug Resistance**
Winner of the Young Medicinal Chemist Meeting in Poland

Ms Aneta KACZOR
(JAGIELLONIAN UNIVERSITY, Kraków, Poland)

17:25 **OC19 - Phosphorylation-Inducing Chimeric Small Molecules**
Winner of the Trainee Pre-Conference Forum at the virtual 9th Annual Conference of the International Chemical Biology Society

Dr Dhanushka MUNKANATTA GODAGE
(BROAD INSTITUTE OF MIT AND HARVARD, Cambridge, United States)

17:45 **KL03 - Covalent Inhibitors - From Discovery to Functionalization**

Dr Nir LONDON
(THE WEIZMANN INSTITUTE OF SCIENCE, Rehovot, Israel)

18:15 **Prize Ceremony & Closing**

Prof. Rui MOREIRA
(UNIVERSITY OF LISBON, Lisbon, Portugal)

End of Event