

Thursday 09/09/2021

### 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, Istanbul, 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, Zagreb, Croatia)

#### 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

## Programme

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 14-3-3 $\beta$  Protein-Protein Interactions**

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

**12:40 End of Morning Session**

**13:30 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  $\alpha$ -Peptides Winner of the Young Medicinal Chemist Meeting in Hungary**

Dr Dora BOGDAN  
(SEMELWEIS 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 ORTIZ ZACARIAS N.V.  
(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 Lluç FARRERA SOLER  
(UNIVERSITY OF GENEVA, Geneva, Switzerland)

# EFMC-YMCS 2021

## Programme

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**18:15**    **End of Day 1**

**Session DAY 1 - Networking Event**

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

Friday 10/09/2021

### 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, Cytotoxicity 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 Antineoplastic Inhibitors: Synthetic Approach and In Vitro Assays**

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

## Programme

### **FP10 - Comparative Study of Ck1-Crnb and Ck2-Crnb 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**

**13:30 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)

**18:30 End of Event**