

Thursday September 5, 2019

14:15 Registration

15:00 Welcome and Opening

Session Chair:

Prof. Emmanouil FOUSTERIS
(UNIVERSITY OF PATRAS, Patras, Greece)

15:05 **KL01 - The Emergence of Antibody-Drug Conjugates (ADCs) as Targeted Cancer Therapies: From Ehrlich's "Magic Bullet" Concept to Calicheamicin ?11 and Mylotarg**

Prof. K.C. NICOLAOU
(RICE UNIVERSITY, Houston, United States)

EFMC-YMCS Competition Presentation Session I

15:35 **OC01 - Functionalization of Tumour-Targeting Antibodies Via Enzymatic Oxidation of Tyrosine to 1,2-Quinones**

Winner of the Young Medicinal Chemist Meeting in The Netherlands

Mr Jorick BRUINS
(WAGENINGEN UNIVERSITY, WAGENINGEN, The Netherlands)

15:55 **OC02 - Synthetic Small Molecules Interfering with Oncogenic Micrnas for the Induction of Glioblastoma Stem Cells Differentiation**

Winner of the Young Medicinal Chemist Meeting in France

Dr Chloé MAUCORT
(INSTITUTE OF CHEMISTRY OF NICE, Val de Reuil, France)

16:15 **OC03 -New Ruthenium-Cyclopentadienyl Complexes Bearing Biotinylated (Macro)Ligands: Targeting Strategies to Fight Metastatic Breast Cancer**

Winner of the Young Medicinal Chemist Meeting in Portugal

Dr Leonor CORTE-REAL
(CENTRO DE QUÍMICA ESTRUTURAL, Lisboa, Portugal)

16:35 **Flash Poster Presentations (01-10)**

FP01 - A New Life for Diazaborines: the Next Generation of Serine Protease Inhibitors

Mr Joao ANTONIO
(UNIVERSITY OF LISBON, Lisbon, Portugal)

FP02 - From Peptides to Peptidomimetics: Structure-Activity Relationship of a Factor H-Binding Peptide to Modulate Undesired Host Complement Activity

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

FP03 - Matrix Metalloproteinase-12 Inhibitors: Synthesis, Structure-Activity Relationships and Intestinal Absorption of Novel Sugar-Based Biphenylsulfonamide Carboxylates

Dr Doretta CUFFARO
(UNIVERSITY OF PISA, Pisa, Italy)

FP04 - Photophysical Properties and Antiparasitic Activity of Bodipy-Tethered Dinuclear Trithiolato-Bridged Ruthenium(II)-Arene Complexes

Programme

Mrs Oksana DESIATKINA
(UNIVERSITY OF BERN, Bern, Switzerland)

FP05 - N-ALKYL L-Iminosugars as Novel Anti-Inflammatory and Anti-Biofilm Tools for Cystic Fibrosis Lung Infections

Dr Anna ESPOSITO
(UNIVERSITY OF NAPOLI FEDERICO II, Napoli, Italy)

FP06 - Design, Synthesis and Biological Evaluation of Novel Substituted Purine Isosters as EGFR Kinase Inhibitors, with Promising Pharmacokinetic Profile and In Vivo Efficacy

Dr Efthymios-Spyridon GAVRIIL
(NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS, Athens, Greece)

FP07 - Metal-Chelating Acetohydroxamic Acids Against Hepatitis C Virus and Flaviviruses

Ms Erofilii GIANNAKOPOULOU
(NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS, Athens, Greece)

FP08 - Discovery of Small-Molecule Modulators of 14-3-3 PPIs Via Dynamic Combinatorial Chemistry

Mr Alwin HARTMAN
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

FP09 - Purine Nucleoside Analogs as Highly Potent Leads for the Treatment of Human African Trypanosomiasis

Dr Fabian HULPIA
(UGENT, Beerse, Belgium)

FP10 - Development of Allosteric Inhibitors of ColH Using DCC Strategy

Dr Jelena KONSTANTINOVIC
(HELMHOLTZ INSTITUTE FOR PHARMACEUTICAL RESEARCH SAARLAND (HIPS), Saarbrücken, Germany)

16:55 Coffee Break

EFMC-YMCS Competition Presentation Session II

Session Chair:

Dr Kristina GONCHARENKO
(SPIROCHEM AG, Basel, Switzerland)

**17:10 OC04 - Novel Acridine Derivatives as TDP 1 and/or 2 Inhibitors
Winner of the Young Medicinal Chemist Meeting in Greece**

Mrs Maria KARELOU
(NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS, Athens, Greece)

**17:30 OC05 - Discovery of a Novel Chemotype of Non-Acidic, Neutral and Macrocyclic Keap1 Inhibitors
Winner of the Young Medicinal Chemist Meeting in Sweden**

Mr Fabio BEGNINI
(UPPSALA UNIVERSITY, Uppsala, Sweden)

**17:50 OC06 - Directed Evolution of Short Peptides for Selective Detoxification of Lead
Winner of the Young Medicinal Chemist Meeting in Switzerland**

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

18:10 Flash Poster Presentations (11-20)

FP11 - Identification, Synthesis and Optimization of Inhibitors of the Protein Tyrosine Phosphatase SHP2

Programme

Dr Yelena MOSTINSKI
(LEIBNIZ-FORSCHUNGSINSTITUT FÜR MOLEKULARE PHARMAKOLOGIE, Rishon LeZion, Israel)

FP12 - Multitarget Triazoles: an Innovative Approach for the Treatment of Alzheimer's Disease

Ms Vanesa NOZAL GARCIA
(CIB - CSIC, Madrid, Spain)

FP13 - TDP-43 Modulation by CDC7 Inhibitors as a Therapeutic Strategy for Amyotrophic Lateral Sclerosis

Ms Elisa ROJAS
(CIB - CSIC, Madrid, Spain)

FP14 - Use of the 4-Hydroxy-Triazole Moiety as a Bioisosteric Tool in the Development of Selective Ligands for Subtypes Ampa Receptor

Dr Stefano SAINAS
(UNIVERSITY OF TORINO, Torino, Italy)

FP15 - In Vitro and In Ovo Evaluation of Ros-Activatable Anticancer Boronate Prodrugs of Doxorubicin

Dr Charles SKARBEEK
(UNIVERSITY PARIS SUD, Orsay, France)

FP16 - Design and Synthesis of Tead's Ligands for the Treatment of Cancers

Mrs Manon STURBAUT
(UNIVERSITY OF LILLE, Lille, France)

FP17 - Drug-Fragment Based Explorations for Novel Enterovirus Inhibitors

Ms Clara VAN HOEY
(UNIVERSITY OF VIENNA, Vienna, Austria)

FP18 - Gemcitabine-GnRH Bioconjugates Bearing Oxime Bond Linkages: Synthesis, In Vitro Stability, Drug Release and Cytotoxic Effect

Dr Eirinaios VRETTOS
(UNIVERSITY OF IOANNINA, Ioannina, Greece)

FP19 - Development of GSTO1-1 Inhibitors for the Treatment of Inflammatory Conditions

Ms Yiyue XIE
(MONASH UNIVERSITY, Melbourne, Australia)

FP20 - Identification of a Novel Quinoline-Based DNA Demethylating Compound Highly Potent in Cancer Cells

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

18:30 EFMC-YMCS Poster Presentation Session 1 (Odd), Bites & Drinks

19:30 EFMC-YMCS Poster Presentation Session 2 (Even), Bites & Drinks

20:30 End of the Scientific Programme

EFMC-YSN Soft Skills Training Session (1)

20:30 How to Boost Your Oral Presentation Skill, and Create a Good Slideshow

Dr Kristina GONCHARENKO
(SPIROCHEM AG, Basel, Switzerland)

EFMC-YMCS 2019

Programme

- 20:45** **Getting the Job You Deserve!**
Dr. David ALKER
(DAVID ALKER ASSOCIATES, Birchington, United Kingdom)
- 21:15** **EFMC-YSN Networking Event**
- 22:30** **End of the Day**

Friday September 6, 2019

08:29 EFMC-YMCS Competition Presentation Session III

Session Chair:

Dr Cassandra LEE FLEMING
(UNIVERSITY OF GOTHENBURG, Gothenburg, Sweden)

08:30 KL02 - Medicinal Chemistry Between Serendipity and (Artificial) Intelligence

Dr Cornelia ZUMBRUNN
(IDORSIA PHARMACEUTICALS, Allschwil, Switzerland)

09:00 OC07 - Antiplasmodial Activity of SAHAquines, Novel SAHA - Primaquine Hybrids Winner of the Young Medicinal Chemist Meeting in Croatia

Dr Maja BEUS
(UNIVERSITY OF ZAGREB, Durham, United States)

09:20 OC08 - Hybridization Approach Towards Novel Antituberculars: Design, Synthesis, And Antimicrobial Evaluation Hybrid Compounds Combining Pyrazinamide and p Aminosalicyclic Acid Winner of the Young Medicinal Chemist Meeting in Czech Republic

Dr Ghada BOUZ
(CHARLES UNIVERSITY, Hradec Kralove, Czech Republic)

09:40 OC09 - Synthesis, Computational and Biological Evaluation of Novel Benzimidazole Compounds for the Treatment of Cryptococcus Neoformans Winner of the Young Medicinal Chemist Meeting in the United Kingdom

Ms Gina WASHBOURN
(UNIVERSITY OF LIVERPOOL, Liverpool, United Kingdom)

10:00 OC10 - N²-Benzylated Derivatives of N-(7-Chloroquinolin-4-Yl)Octane-1,8-Diamine as Quorum Sensing Inhibitors in Pseudomonas Aeruginosa Winner of the Young Medicinal Chemist Meeting in Serbia

Ms Marta SPASIC
(UNIVERSITY OF BELGRADE, Nis, Serbia)

10:20 Coffee Break

EFMC-YMCS Competition Presentation Session IV

Session Chair:

Dr Eleni PONTIKI
(ARISTOTELE UNIVERSITY OF THESSALONIKI, Thessaloniki, Greece)

10:40 OC11 - Geometric Isomers of N-Propargyl-4-Syrylpiperidine Discriminate Between Monoamine Oxidase Isoforms A and B Winner of the Young Medicinal Chemist Meeting in Slovenia

Dr Damijan KNEZ
(UNIVERSITY OF LJUBLJANA, Ljubljana, Slovenia)

11:00 OC12 A Fusing Strategy Application: Towards Potent ChE Inhibitors With MTDL Profile Winner of the Young Medicinal Chemist Meeting in Turkey

Dr Gülsah BAYRAKTAR
(EGE UNIVERSITY FACULTY OF PHARMACY, Izmir, Turkey)

Programme

- 11:20** **OC13 - Development of Unique Molecular Probes: Low-Basicity Agonists for the Study of 5-HT₇ Receptor Function**
Winner of the Young Medicinal Chemist Meeting in Poland
Dr Adam HOGENDORF
(MAJ INSTITUTE OF PHARMACOLOGY, POLISH ACADEMY OF SCIENCES, Krakow, Poland)
- 11:40** **OC14 - The Establishment of Tocopherol Reference Intervals for Hungarian Adult Population Using Validated HPLC Method**
Winner of the Young Medicinal Chemist Meeting in Hungary
Dr Gábor VERES
(HUNGARIAN ACADEMY OF SCIENCES, Budapest, Hungary)
- 12:00** **Lunch**
- EFMC-YSN Soft Skills Training Session (2)**
- 13:00** **Why Was My Paper Rejected? Tips from an Editor on How to Get Published**
Dr David PERALTA
(WILEY-VCH VERLAG GMBH & CO. KGAA, Weinheim, Germany)
- EFMC-YMCS Competition Presentation Session V**
- 13:45** **Session Chair:**
Prof. Grigorios ZOIDIS
(UNIVERSITY OF ATHENS, Athens, Greece)
- 13:45** **OC15 - Expanding the Chemical Space of DNA-Encoded Small Molecule Libraries**
Winner of the Young Medicinal Chemist Meeting in Germany
Dr Andreas BRUNSCHWEIGER
(TU DORTMUND, Dortmund, Germany)
- 14:05** **OC16 - Finding the Right Candidate for the Right Position: a Fast NMR-Assisted Combinatorial Method for Optimizing Nucleic Acids Binders**
Winner of the Young Medicinal Chemist Meeting in Spain
Dr Andrés GONZALEZ SANTANA
(IQOG - CSIC, Madrid, Spain)
- 14:25** **OC17 - From ZINC to ZINClick: Our Way to Explore the Chemical Space**
Winner of the Young Medicinal Chemist Meeting in Italy
Prof. Alberto MASSAROTTI
(UNIVERSITY OF EASTERN PIEDMONT, Novara, Italy)
- 14:45** **OC18 - Extended Glucuronides: Achieving Site-Selectivity Through Extracellular Drug Release**
Winner of the Young Medicinal Chemist Meeting in Denmark
Mr Raoul WALTHER
(AARHUS UNIVERSITY, Aarhus, Denmark)
- 15:05** **OC19 - Cyclopropenium-Based Polymers**
Winner of the Young Medicinal Chemist Meeting in Israel
Mr Noam STEINMAN
(HEBREW UNIVERSITY OF JERUSALEM, Jerusalem, Israel)
- 15:25** **Voting Break**
- 15:40** **KL03 - Chemical Tools to Target and Image Tumours**

Programme

Prof. Stuart CONWAY (UNIVERSITY OF OXFORD, Los Angeles, United States)
(BIOIBÉRICA)

16:10 **Closing and Award Ceremony**

16:20 **End of the Symposium**