

### 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**

Ms 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  
(UNIVERSITY OF ROME LA SAPIENZA, 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, Zagreb, Croatia)

#### 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 - N<sup>2</sup>-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-HT<sub>7</sub> 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, Oxford, United Kingdom)  
(BIOIBÉRICA)

**16:10**    **Closing and Award Ceremony**

**16:20**    **End of the Symposium**