

# EFMC-YMCS Virtual Event 2020

## Programme

### Thursday September 10, 2020

#### Morning Session

##### Session Chair:

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

#### 10:00 Opening Ceremony

Dr Yves P. AUBERSON  
(NOVARTIS & EFMC, Basel, Switzerland)

#### 10:10 KL01 - Trialkylphosphines in Chemical Biology

Prof. Pablo RIVERA FUENTES  
(EPF LAUSANNE, Lausanne, Switzerland)

#### 10:39 EFMC-YMCS Competition Presentation Session I

#### 10:40 [OC01 - Design and Synthesis of Chemical Tools to Probe the Function of Trim33](#) Winner of the young medicinal chemist meeting in United Kingdom

Ms Jessica REYNOLDS  
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

#### 11:00 [OC02 - Chemical Genetics Strategy to Profile Kinase Target Engagement Reveals Role of FES in Neutrophil Phagocytosis](#) Winner of the young medicinal chemist meeting in The Netherlands

Dr Tom VAN DER WEL  
(LEIDEN UNIVERSITY, Leiden, The Netherlands)

#### 11:20 [OC03 - Advanced Building Blocks from The Chemical Universe Database GDB and Their Use to Create Potent Janus Kinase Inhibitors](#) Winner of the young medicinal chemist meeting in Switzerland

Mr Kris MEIER  
(UNIVERSITY OF BERN, Bern, Switzerland)

#### 11:40 End of Morning Session

#### Afternoon Session

##### Session Chair:

Dr Christina LAMERS  
(UNIVERSITY OF BASEL, Basel, Switzerland)

#### 16:00 Introduction of Afternoon Session

#### 16:05 [Communicating Your Science Effectively](#) EFMC-YSN Soft skills Training (1)

Dr David PERALTA  
(CHEMMEDCHEM/CHEMISTRY EUROPE, Weinheim, Germany)

#### 16:44 EFMC-YMCS Competition Presentation Session II

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- 16:45**    **OC04 - Targeting the  $\alpha_5\beta_1$  RGD Integrin: from Computational Drug Design to Preclinical Applications**  
**Winner of the young medicinal chemist meeting in Italy**  
Dr Francesco SAVERIO DI LEVA  
(UNIVERSITY OF NAPLES FEDERICO II, Naples, Italy)
- 17:05**    **OC05 - Structurally Simple, Readily Available Peptidomimetic 1-Benzyl-5-Methyl-4-(N-Octylamino)Pyrimidin-2(1H)-One Exhibited Efficient Cardioprotection in a Myocardial Ischemia (MI) Mouse Model**  
**Winner of the young medicinal chemist meeting in Israel**  
Dr Elena TRIFONOV  
(NATIONAL INSTITUTES OF HEALTH (NIH), North Bethesda, United States)
- 17:25**    **OC06 - How Sugar-Based Bactericides Can Help the Fight Against Antibiotic Resistance: Synthesis and Mechanism of Action of Neutral Amphiphilic Deoxy Glycosides**  
**Winner of the young medicinal chemist meeting in Portugal**  
Dr Catarina DIAS  
(CIPAN, Vala do Carregado, Portugal)
- 17:45**    **End of Day 1**

## Programme

### Friday September 11, 2020

#### Morning Session

##### Session Chair:

Dr Christina LAMERS  
(UNIVERSITY OF BASEL, Basel, Switzerland)

**10:00**    **Opening Day 2**

**10:10**    **KL02 - Discovery of Small Molecules to Manipulate Cell Fate In Vivo: Towards New Therapies for Degenerative Diseases**

Prof. Angela RUSSELL  
(UNIVERSITY OF OXFORD, Oxford, United Kingdom)

**10:39**    **EFMC-YMCS Competition Presentation Session III**

**10:40**    **OC07 - Targeting Orphan Nuclear Receptors in Neurodegeneration and Beyond  
Winner of the young medicinal chemist meeting in Germany (DPhG)**

Dr Daniel MERK  
(GOETHE UNIVERSITY FRANKFURT, Frankfurt, Germany)

**11:00**    **OC08 - Interrogating the Lactate Dehydrogenase Tetramerization Site Using (Stapled) Peptides  
Winner of the young medicinal chemist meeting in Belgium (SRC)**

Dr Léopold THABAULT  
(UCLOUVAIN - LOUVAIN DRUG RESEARCH INSTITUTE, Brussels, Belgium)

**11:20**    **OC09 - Design, Synthesis and Biological Evaluation of Pyrazolo[3,4-d]Pyrimidine-based Protein Kinase D Inhibitors**

**Winner of the young medicinal chemist meeting in Belgium (KVCV)**

Mr Philippe GILLES  
(KU LEUVEN, Heverlee, Belgium)

**11:40**    **End of Morning Session**

#### Afternoon Session

##### Session Chair:

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

**16:00**    **Introduction of Afternoon Session**

**16:05**    **What if funding wasn't a barrier to innovation?  
EFMC-YSN Soft skills Training (2)**

Dr Virginia BALLOTTA  
(CATALYZE, Basel, Switzerland)

**16:44**    **EFMC-YMCS Competition Presentation Session IV**

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## Programme

- 16:45**    **OC10 - Design, Synthesis and Preliminary Biological Testing of Novel Thiazole Bioisosteres of Goniofufurone**  
**Winner of the young medicinal chemist meeting in Serbia**
- Ms Sanja DJOKIC  
(UNIVERSITY OF NOVI SAD, Novi Sad, Serbia)
- 17:05**    **OC11 - Synthesis and Evaluation of QS-7-Based Vaccine Adjuvants**  
**Winner of the young medicinal chemist meeting in Croatia**
- Dr Dani SKALAMERA  
(UNIVERSITY OF ZAGREB, Zagreb, Croatia)
- 17:25**    **OC12 - Synthesis of Aurora B Kinase Inhibitors from Simplified Analogs of Marine Metabolites for Cancer Therapy**  
**Winner of the young medicinal chemist meeting in France**
- Ms Charlotte JUILLET  
(CNRS, Gif sur Yvette, France)
- 17:45**    **EFMC-YMCS Prize Ceremony, Best Poster Prizes Ceremony and Closing**
- Dr Yves P. AUBERSON  
(NOVARTIS & EFMC, Basel, Switzerland)
- 18:00**    **End of Day 2**