

## Confirmed Speakers

### Invited Speakers

#### Assembly Line Synthesis



Prof. Varinder K. AGGARWAL  
(UNIVERSITY OF BRISTOL, Bristol, United Kingdom)

#### Chemical Research in Space and under Microgravity Conditions



Dr Shimon AMSELEM  
(SPACEPHARMA, Herzliya Pituach, Israel)

#### Traceless Transition Metal Catalysis for Synthetic Applications



Prof. Valentine P. ANANIKOV  
(ZELINSKY INSTITUTE OF ORGANIC CHEMISTRY, Moscow, Russia)

#### EFMC Prize for a Young Medicinal Chemist in Industry Structure-Based Drug Design with G Protein-Coupled Receptors



Dr Steve ANDREWS  
(HEPTARES, Welwyn Garden City, United Kingdom)

#### Targeted Cancer Diagnosis and Therapy with Peptide Conjugates



Prof. Annette BECK-SICKINGER  
(LEIPZIG UNIVERSITY, Leipzig, Germany)

#### Studying and Targeting Deubiquitinases



Prof. Ashraf BRIK  
(TECHNION-ISRAEL INSTITUTE OF TECHNOLOGY, Haifa, Israel)

#### Versatile Iridium Catalysts for a Broad Range of Asymmetric Transformations



Prof. Erick M. CARREIRA  
(ETH ZÜRICH, Zürich, Switzerland)

#### EFMC Prize for a Young Medicinal Chemist in Academia Achieving Intra-BET Selectivity of BET Bromodomain Chemical Probes: Bump-And Hole and PROTAC Approaches



Dr Alessio CIULLI  
(UNIVERSITY OF DUNDEE, Dundee, United Kingdom)

#### The Art of Building Small

## Confirmed Speakers



Prof. Ben FERINGA  
(UNIVERSITY OF GRONINGEN, Groningen, The Netherlands)

### Crystalline Sponge Method as Applied to Pharmaceutical Studies



Prof. Makoto FUJITA  
(UNIVERSITY OF TOKYO, Tokyo, Japan)

### Exploration of Innovative Chemical Space for Biological Screening: the European Lead Factory Perspective



Dr Fabrizio GIORDANETTO  
(TAROS CHEMICALS, New York, United States)

### Protein Imprinted Polymers. What's the Problem Here?



Dr Bernard S. GREEN  
(SEMOREX TECHNOLOGIES, Ness Ziona, Israel)

### Challenges and Synthetic Ingenuity in the Generic World



Dr Lilach HEDVATI  
(TEVA, Petah-Tiqva, Israel)

### Harnessing Fluorine - Induced Ion - Dipole Attractive Forces in Enantioselective Catalysis



Prof. Amir H. HOVEYDA  
(BOSTON COLLEGE, Chestnut Hill, United States)

### Drug Discovery in the Ubiquitin Pathway : the E3 Ligases



Dr Philippe NAKACHE  
(METABOMED, Yavne, Israel)

### Setting a Course for Biomedical Innovation in the 21st Century



Dr Alan D. PALKOWITZ  
(ELI LILLY & CO., Indianapolis, United States)

### Expanding Medicinal Chemistry Space: The Compact Module Initiative and Beyond



Dr Jean-Marc PLANCHER  
(F. HOFFMANN-LA ROCHE, Basel, Switzerland)

### Evolving GPCRs to Favorable Biophysical Properties: Enabling Drug Screening and Structural Studies

## Confirmed Speakers



Prof. Andreas PLÜCKTHUN  
(UNIVERSITY OF ZÜRICH, Zurich, Switzerland)

### Discovery of a Potent and Selective Reversible BTK Inhibitor for the Treatment of Autoimmune Diseases



Dr Robert PULZ  
(NOVARTIS PHARMA, Basel, Switzerland)

### Directed Evolution of Stereoselective Enzymes: A Prolific Source of Catalysts for Asymmetric Reactions



Prof. Manfred T. REETZ  
(MAX PLANCK INSTITUT FÜR KOHLENFORSCHUNG, Mulheim / Ruhr, Germany)

### Personalized Medicine - Will it Really Happen?



Dr Aharon SCHWARTZ  
(SCHWARTZ INNOVATIONS, Mevaseret Zion, Israel)

### Quinone-Methide Species - a Gateway to Functional Molecular Systems



Prof. Doron SHABAT  
(TEL AVIV UNIVERSITY, Tel Aviv, Israel)

### The Power of Integrated Technological Platforms to Advance Science and Medicine



Dr Berta STRULOVICI  
(WEIZMANN INSTITUTE OF SCIENCE, Rehovot, Israel)

### Tailor-made Enzymes –Nature's and Ours



Dr Dan TAWFIK  
(WEIZMANN INSTITUTE OF SCIENCE, Rehovot, Israel)

### Synthesis-Informed Design Directed at Transformative Therapies: Eradication of Hiv/Aids, Alzheimer's Disease and Resistant Cancer



Prof. Paul A. WENDER  
(STANFORD UNIVERSITY, Stanford, United States)

### Stimuli-Responsive Drug Carriers for Controlled Delivery and Nano-Medicine Applications



Prof. Itamar WILLNER  
(THE HEBREW UNIVERSITY OF JERUSALEM, Jerusalem, Israel)

## Confirmed Speakers

### Oral Communications

#### OC08 - Necrosis: Cellular Mechanisms and Treatment



Prof. Amnon ALBECK  
(BAR ILAN UNIVERSITY, Ramat Gan, Israel)

#### OC05 - Multi-Responsive Polymeric Assemblies



Dr Roey AMIR  
(SCHOOL OF CHEMISTRY - TEL AVIV UNIVERSITY, Tel Aviv, Israel)

#### OC04 - Hypervalent Iodine Fluoroalkylating Reagents - Going Beyond Trifluoromethylation



Ms Julie CHARPENTIER  
(ETH ZÜRICH, Zürich, Switzerland)

#### OC11 - Protecting Group-Free Strategies for The Synthesis of Nucleosides



Mr Mike DOWNEY  
(INSTITUTE OF ORGANIC CHEMISTRY AND BIOCHEMISTRY, Prague-6, Czech Republic)

#### OC12 - Development of Anti-Influenza Drugs



Prof. Jim-Min FANG  
(NATIONAL TAIWAN UNIVERSITY, Taipei, Taiwan)

#### OC02 - Development of Novel Nuclear Receptor Modulators Based on Silyl Functionality as Hydrophobic Core Structure



Dr Shinya FUJII  
(UNIVERSITY OF TOKYO, Tokyo, Japan)

#### OC06 - Computational Discovery of Liposomal Drugs: from in Silico Predictions to in Vivo Validation



Prof. Amiram GOLDBLUM  
(HEBREW UNIVERSITY OF JERUSALEM, Jerusalem, Israel)

#### OC07 - Synthesis and Application of Unnatural Proline Analogues: Advanced Building Blocks for Medicinal Chemistry



Dr Pavel MYKHAILIUK  
(ENAMINE, Kyiv, Ukraine)

#### OC01 - A Synthetic and Predictive Approach to Unsymmetrical Biphenols by Iron-Catalyzed Chelated Radical-Anion Oxidative Coupling

## Confirmed Speakers



Dr Doron PAPPO  
(BEN-GURION UNIVERSITY, Beer Sheva, Israel)

### OC13 - Cross Metathesis of Sulfonamides and Sulfoxides



Mr Adam RAJKIEWICZ  
(UNIVERSITY OF WARSAW, Warsaw, Poland)

### OC10 - Synthesis of Archazolid F and Other Novel Archazolids: Highly Potent V-AtPase Inhibitors



Mr Stephan SCHEEFF  
(UNIVERSITY OF BONN, Bonn, Germany)

### OC09 - Catalytic Asymmetric Synthesis of Caprazamycin B and Caprazol



Dr Takumi WATANABE  
(INSTITUTE OF MICROBIAL CHEMISTRY (BIKAKEN), TOKYO 141-0021, Japan)