Programme

**SUNDAY 18**

17.00-19.00: Registration and Posters’ billsticking
20.00: Dinner
21.00: Welcome (Prof. Maurizio Botta, University of Siena-Italy)
21.10-22.00: Stephen Hanessian, Université de Montreal-Canada; University of California, Irvine-USA: “Proximity Effects in Cycloadditions Reactions Toward Tetrazoles”

**MONDAY 19**

Chairman: Peter Wipf

09.00-09.45: Alan P. Kozikowski, University of Illinois, Chicago-USA: *HDAC6, Microtubules, and Human Diseases – The Hunt for New Therapeutics*
10.50-11.10: Coffee break

Chairman: Stephen Hanessian

11.15-12.00: Youssef Bennani, Vertex Pharmaceuticals-Canada: "Challenges in Drug Design for Infectious Diseases”
13.00-14:30: Lunch

**Afternoon session dedicated to Drug Design**
Chairman: Thierry Langer

15.00-15.45: Gabriele Cruciani, University of Perugia-Italy; Molecular Discovery – UK: “Flavin Monooxygenase Metabolism: Why Medicinal Chemists Should Matter?”
16.45-17.05: Coffee break
Chairman: Hugo Kubinyi

17.10-17.30: **Cristina Tintori**, University of Siena – Italy: “Discovery of HIV-1 entry inhibitors that target the gp120-CD4 protein-protein interaction”

17.35-17.55: **Hendra Gunosewoyo**, School of Pharmacy, Curtin University, Australia: “Glycogen Synthase Kinase-3 Inhibitors with Steroidogenesis-Stimulating Properties for Treatment of Anxiety Disorders”

18.00-18.45: **Thierry Langer**, University of Vienna-Austria: “Feature-based 3D Pharmacophores: Excellent Tools for Medicinal Chemistry Decision Support”

20.00: Dinner

21.00: Wine tasting

**TUESDAY 20**

Chairman: Scott Snyder

09.00-09.45: **Peter Wipf**, University of Pittsburgh-USA: “Chemical Inhibition of Protein Kinase D”


10.50-11.10: Coffee break

Chairman: Claudiu Supuran

11.15-12.00: **Pier Giovanni Baraldi**, University of Ferrara-Italy: “Design, synthesis, and pharmacological properties of new CB2 cannabinoid receptor ligands”

12.10-12.55: **Andrea Aramini**, Dompè-Italy: “Targeting the minor pocket of C5aR for the rational design of an oral allosteric inhibitor for inflammatory and neuropathic pain relief”

13.00: Lunch

**Afternoon session dedicated to Biophysical methods**

Chairman: Andrea Aramini

15.00-15.45: **Claudiu Supuran**, University of Florence-Italy: “Carbonic anhydrases as drug targets”

15.55-16.15: **Emmanuele Crespan**, IGM-CNR Pavia-Italy: “Development of new inhibitor targeting the unique motif of DEAD-box protein DDX3”


16.45-17.05: Coffee break

Chairman: Maria José Camarasa

17.10-17.30: **Barbara Gatto**, University of Padova-Italy: “Development of assays to identify nucleocapsid inhibitors”

17.35-18.45: **Poster Presentations**

20.00: Dinner
WEDNESDAY 21

Chairman: Hans-Dieter Arndt

09.00-09.45: Scott Snyder, Columbia University-USA: “Strategies to Create Diverse Collections of Natural Products”

09.55-10.40: Vincenzo Summa, IRBM-Italy: “5,6-Dihydroxypyrimidine Carboxamides and N-Alkyl-5-hydroxypyrimidinone Carboxamides the new templates for HIV Integrase inhibition leading to the discovery of Isentress the first in class HIV Integrase inhibitor approved for the treatment of HIV AIDS”

10.50-11.10: Coffee break

Chairman: Stephen Neidle

11.15-12.00: Maria Luz Lopez Rodriguez, Universidad Complutense de Madrid-Spain: “Expanding the potential of druggable GPCRs”

12.10-12.55: Hans-Dieter Arndt, Friedrich-Schiller University-Germany: ”Chemical Biology probes from small molecules and natural products”

13.00-14.30: Lunch

Afternoon session dedicated to HIV research

Chairman: Bruce Torbett

15.00-15.45 Maria José Camarasa, Consejo Superior de Investigaciones Cientificas-Spain: “Two Challenging Strategies for the Design and Discovery of HIV-Replication Inhibitors”

15.55-16.40: Carine Tisné, Université Paris Descartes-France: “In vivo RNA production and engineering of RNA ligands”

16.45-17.05: Coffee break

Chairman: Dieter Schinzer

17.10-17.30: Mattia Mori, University of Siena-Italy: “Inhibition of the HIV-1 Nucleocapsid Protein: a New Strategy Against Antiretroviral Drug Resistance”

17.35-17.55: Poster Presentations

18.00-18.45: Bruce Torbett, The Scripps Research Institute-USA: “Targeting The HIV-1 Nucleocapsid Protein: Chemically Fishing for Inhibitors”

20.00: Social dinner

THURSDAY 22

Chairman: Karl-Heinz Altmann

09.00-09.45: Stephen Neidle, University College London-UK: “The design and development of quadruplex-targeted agents in human cancer”

09.55-10.40: Dieter Schinzer, University of Magdeburg-Germany: "Scalable Synthesis of Nebivolol and Desfluoro Nebivolol Isomers”

10.50-11.10: Coffee break
Chairman: Koen Augustyns

11.15-12.00: Karl-Heinz Altmann, ETH-Switzerland: “Synthesis and Functional Exploration of Bioactive Natural Macrocycles”

12.10-12.30: Marco Bella, University of Rome “La Sapienza”-Italy: “A Rational Approach for the Optimization of Non-Covalent Asymmetric Catalyzed Reactions”

12.35-12.55: Oriana Tabarrini, University of Perugia-Italy: “Exploiting the Anti-HIV 6-Desfluoroquinolones to Design Multiple Ligands”

13.00-14.30: Lunch

Afternoon session dedicated to HIV research
Chairman: Maria Luz Lopez Rodriguez

15.00-15.45: Koen Augustyns, University of Antwerp-Belgium: “Novel non-nucleoside reverse transcriptase inhibitors for the prevention of HIV/aids”

15.55-16.15: Carolina Herrera, Imperial College London-UK: “Pre-clinical evaluation of combination-based microbicides”

16.20-16.40: Roberto Di Santo, University of Rome “La Sapienza”-Italy: “Dual and selective inhibitors of ribonuclease H function of the HIV-1 reverse transcriptase”

16.45-17.05: Coffee break

Chairman: Carine Tisné

17.10-17.55: Kevin Arien, Institute of Tropical Medicine (ITM) of Antwerp-Belgium: “CD4 binding site inhibitors are candidate HIV microbicides”

18.00-18.45: Yves Mely, University of Strasbourg-France: “Characterization of the properties and role of the HIV-1 nucleocapsid protein by fluorescence based techniques, and use of the obtained information for developing antiviral strategies”

20.00: Dinner

Friday 23

10.00: Closing remarks