

Programme

Certosa di Pontignano

Monday, June 16th

14:00 – 19:00: GCD³ *Registration*

Sala Bracci – GCD³ opening

17:30 – 17:40: *Opening Remarks: Welcome: Rector Prof. Di Pietra and Prof. Elena Petricci – University of Siena (Italy)*

Chairman: Prof. Luigi Vaccaro

17:40 – 18:25: **Dr. John C. Warner - Beyond Benign (USA): Noncovalent Derivatization: Improving performance AND sustainability through Green Chemistry**

18:35 – 19:20: **Prof. Klaus Kümmerer - University of Lüneburg (Germany): On the Path from Green Chemistry and Pharmacy to Sustainable Chemistry and Pharmacy**

20:00 – 21:00: Dinner

Tuesday, June 17th

Sala Bracci

Chairman: Prof. Darren Dixon

09:00 – 09:30: **Prof. Yanlong Gu - Huazhong University and Technology (China): Strengthening the greenness of acid-catalyzed synthesis of fine chemicals**

09:40 – 10:25: **Prof. Michael Willis - University of Oxford (UK): New functional groups for synthetic and discovery chemistry**

10:35 – 11:05: **Prof. Jack L. Y. Chen – Auckland University of Technology (New Zealand): Modular assembly of biomimetic catalysts from amphiphilic precursors**

11:15 – 11:30: **Dr. Marco Ferrara – Flamma Group (Italy): Solvent Eco-Impact Metric: A Tool for Chemists to Drive Sustainability in Chemical Processes across Safety, Health, Waste, and Environmental Aspects**

11:30 – 11:45: Coffee Break

Chairman: Prof. Elena Petricci

11:45 – 12:15: **Prof. Walter Cabri - University of Bologna (Italy): Strategies and Tactics for a Sustainable Approach to Therapeutic Peptide**

12:25 – 12:55: **Prof. Margherita Brindisi** – University of Naples “Federico II” (Italy): *Intertwining continuous flow, mechanochemistry and paper-based platforms with the synthesis of pharmaceutically relevant compounds*

13:05 – 13:20: **Dr. Elena Tomarelli** – University of Perugia (Italy): *Sulfation Unleashed: An Innovative Biocatalytic Approach to Organosulfates*

13:20 – 14:20: Lunch

14:20 – 15:20: *Poster session*

Chairman: Prof. Margherita Brindisi

15:20 – 16:05: **Prof. Stephen Fletcher** – University of Oxford (UK): *Controlling Regioselectivity in Catalytic Asymmetric Suzuki-type Reaction*

16:15 – 16:30: **Ms. Suzanne Davison** – University of Oxford (UK): *New Aza-Sulfur Compounds to Explore Chemical Space*

16:30 – 16:45: **Ms. Bianca Martinengo** – University of Bologna (Italy): *Harnessing Cashew Nutshell Liquid as a Sustainable Source for Antiparasitic Drug Development*

16:45 – 17:00: Coffee Break

17:00 – 17:15: **Mr. Nicholas D. D'Arcy-Evans** – University of Oxford (UK): *Methylene Deletion from Lactams and Amides*

17:15 – 17:30: **Dr. Stefano Giovanninetti** – Stepbio (Italy): *New Tools for development studies of greener chemical processes*

17:30 – 19:00: “**Green Chemistry**” round table (organised by the Royal Society of Chemistry)

19:30 – 21:00: Dinner

21:00: *Ice Cream & Gin (sponsored by TCI)*

Wednesday, June 18th

Sala Bracci

Chairman: Prof. Michael Willis

09:00 – 09:45: **Dr. Patrizio Mattei** - Roche (Switzerland): *The discovery and early development of Zosurabalin*

09:55 – 10:40: **Dr. Luigi Stasi** - UCB (UK): *Discovery and in vivo characterization of benzimidazole based IL-17 inhibitors*

10:50 – 11:05: **Ms. Annalisa Fanizzi** – University of Bari “Aldo Moro” (Italy): *Rational optimization of the N-adamantyl-anthranyl amide structural core for the development of new selective ligands for*

the Cannabinoid subtype 2 Receptor (CB2R)

11:05 – 11:20: Coffee Break

Chairman: Prof. Filippo Minutolo

11:20 – 12:05: **Dr. Werngard Czechtizky - AstraZeneca (Sweden):** *New Chemistries, Predictive Modeling & Greener Labs to reduce AZ's Carbon Footprint*

12:15 – 13:00: **Dr. Michael K. Jensen - Biomia (Denmark):** *Nature-inspired drug discovery and scalable manufacturing using biotechnology*

13:10 – 13:40: **Dr. Serena Meini - Axxam (Italy):** *Building the Ideal Screening Collection: Innovation and Strategy in High-Throughput Screening*

13:40 – 14:40: Lunch

Chairman: Prof. Marco L. Lolli

14:40 – 15:25: **Dr. Vincent Bordas - Novartis Institutes for BioMedical Research (Switzerland):** *The Discovery and Synthesis of IAG933 A YAP/TEAD inhibitor for solid tumor indications*

15:35 – 15:50: **Ms. Alessia A. Corallo – University of Siena (Italy):** *New CB2 dualsteric ligands for the treatment of multiple sclerosis*

Teamwork Session

15:50 – 16:50: **Symeres – Axxam teamwork**

16:50 – 17:05: Coffee Break

17:05 – 18:05: **Symeres – Axxam teamwork**

19:15: Bus departure from Certosa di Pontignano to Piazza Gramsci (Siena)

20:30: Social Dinner in Piazza del Campo (Siena)

Thursday, June 19th

Sala Bracci

Chairman: Prof. Antimo Gioiello

09:00 – 09:30: **Dr. Francesca Micoli – GSK Vaccine Institute for Global Health (Italy):** *Development of vaccines for low and middle income countries*

09:40 – 09:55: **Dr. Ermal Ismalaj – CIC-biomiaGUNE (Spain):** *PET Imaging of Novel Biomarkers: Targeting L-Type Calcium Channels In Vivo*

09:55 – 10:10: **Dr. Dario Gentili – University of Camerino (Italy):** *The Influence of Side Chains in Alkenyl Resorcinol Derivatives*

10:10 – 10:25: **Ms. Arianna Ghelardi – University of Pisa (Italy):** *Searching new pharmaceutical dual-*

drug solid systems by combining solvent-based crystallization, mechanochemistry and solid-state NMR spectroscopy

10:25 – 10:30: Ms. Federica Oleari – University of Genoa (Italy): *Design and Synthesis of Triazine Derivatives as Potential SIRT2 Inhibitors: A Molecular Simplification Approach*

10:30 – 10:35: Ms. Maryam Saeb Fotohieh – University of Bari “Aldo Moro” (Italy): *Sustainable Hydrogen Borrowing Catalysis in Deep Eutectic Solvents; Towards Greener C-N Bond Formation*

10:35 – 10:40: Dr. Matteo Bartalucci – University of Perugia (Italy): *A combined microwave and continuous flow approach for iodination of anilines and their consecutive use in Heck cross-coupling reaction*

10:40 – 10:45: Ms. Elena Graziano – University of Bari “Aldo Moro” (Italy): *Generation and Use of Bicyclo[1.1.0]butyllithium Under Continuous Flow Conditions*

10:45 – 10:50: Ms. Iqra Munir – University of Camerino (Italy): *A new Microwave Assisted Organic Synthesis of polysubstituted benzene*

10:50 – 10:55: Mr. Salvatore Mottola – University of Campania “Luigi Vanvitelli” (Italy): *Sustainable Ultrasound-Assisted Solid-Phase peptide synthesis (SUS-SPPS): Less Waste, more efficiency*

10:55 – 11:00: Flash presentation of a selected poster

11:00 – 11:05: Flash presentation of a selected poster

11:05 – 11:10: Flash presentation of a selected poster

11:10 – 11:25: Coffee Break

11:25 – 11:40: Best Poster and Best Teamwork awards from the Royal Society of Chemistry

11:40 – 12:25: Closing Lecture: Dr. Russel Thomas – Symeres (The Netherlands): *21st Century drug discovery: challenges (and maybe some solutions)*

12:35 – 12:50: Closing Remarks: Prof. Elena Petricci – University of Siena (Italy)

12:50: Lunch