



RESEARCH PROGRESS IN PHARMACOGENOMICS: PERSONALISED MEDICINE AND CLINICAL TRANSLATION

July 5-6, 2018

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SIF -
FARMACOLOGIA
CLINICA



Research progress in Pharmacogenomics: personalised medicine and clinical translation

July 5th- 6th 2018,

Aula Magna of Department of Pharmacy and Biotechnology,
University of Bologna

➤ July 5th

14:30 Greetings from the Authorities

Santi M Spampinato (Direttore FaBiT),

Carla Ghelardini (Segretaria SIF)

15:00-16:00 **Lectio Magistralis - Munir Pirmohamed** - Institute of

Translational Medicine, University of Liverpool

Pharmacogenomics of adverse drug reaction

Session I

Pharmacogenomics of neurological disorders

Chairpersons: Salvatore Terrazzino (University of Piemonte Orientale),

Diego Fornasari (University of Milano)

16:00-16:30

- Alessandro Serretti - University of Bologna

Clinical application of pharmacogenetics in psychiatry

16:30-17:00

- Melissa Sorosina - San Raffaele Scientific Institute
- Pharmacogenomics in multiple sclerosis: achievements, pitfalls and improvements**

17:00-17:30

- Alessio Squassina - University of Cagliari

Pharmacogenomics of bipolar disorder

17:30-18:00

- Sarah Cargnin - University of Piemonte Orientale

The pharmacogenetics of migraine: where is it and where is it going

18:00 **Conclusions**

➤ July 6th

Session II

Personalised Medicine in Oncology

Chairpersons: Marzia Del Re (University of Pisa),

Sabrina Angelini (University of Bologna)

09:15-09:35

- Gloria Ravegnini - University of Bologna

Circulating molecules involved in clinical outcome in GIST

09:35-09:55

- Gabriele Stocco - University of Trieste

Pharmacogenomics and personalised therapy of thiopurines in pediatric patients

09:55-10:15

- Gabriele Pizzino - Candiolo Cancer Institute, FPO - IRCCS, University of Torino Medical School

Genome editing redefines precision medicine in oncology

10:15-10:35

- Valentina Manzo - University of Salerno

Dihydropyrimidine dehydrogenase pharmacogenetics and monitoring of fluoropyrimidine-related adverse drug reactions in oncological patients of Campania region

10:35-10:55

- Fabrizio Ecca - University of Udine, CRO Aviano

Targeted NGS in Pharmacogenes to identify novel rare variants related to fluoropyrimidine toxicity

11:00-11:30 *Coffee break*

11:30-12:30 Lectio Magistralis - Ettore Capoluongo - "Policlinico Gemelli" Foundation, Catholic University of the Sacred Heart, Rome
Pharmacogenetics and cancer: ovarian and breast cancer updates

12:30-14:00 *Lunch*

14:00-15:00 Lectio Magistralis - Lisa Derosa - Gustave Roussy Cancer Campus, France
Translating bacteria into new cancer therapeutics

Session III

The new era of Immuno-oncology

*Chairpersons: Marzia Del Re (University of Pisa),
Giuseppe Toffoli (CRO Aviano)*

15:00-15:20

- Eva Dreussi - CRO Aviano

Immunogenetics and prostate cancer: new prognostic biomarkers

15:20-15:40

- Francesco Gelsomino - Policlinico Sant'Orsola-Malpighi, University of Bologna

Predictive factors of response to immunotherapy in lung cancer

15:40-16:00

- Eleonora Rofi - University of Pisa

Therapeutic monitoring in NSCLC by liquid biopsy.

16:00-16:30 *Coffee break*

Session IV

"The pharmacogenetics for cardiovascular disease therapy and risk management"

*Chairpersons: Amelia Filippelli (University of Salerno),
Marco Cattaneo (University of Milano)*

16:30-16:50

- Valeria Conti - University of Salerno

The importance of Pharmacogenetics in patients at risk of thromboembolism

16:50-17:10

- Marco Cattaneo - University of Milano

Pharmacogenomics of oral anticoagulants

17:10-17:30

- Giulia Sammarini - University of Bologna

Relationship between Lipid Phenotypes, Overweight, Lipid Lowering Drug Response and KIF6 and HMG-CoA Genotypes in a Subset of the Brisighella Heart Study Population

17:30 *Conclusions*
