

**INTERNATIONAL SYMPOSIUM ON
“NATURAL PRODUCTS IN CANCER PREVENTION AND THERAPY”
Trends in Methods and Modelling
3rd EDITION**

PROGRAMME

TUESDAY – September 4

14.30 OPENING CEREMONY

Virginia Lanzotti, Chairman

Gaetano Manfredi, Rector of University of Naples Federico II

Matteo Lorito, Director of the Department of Agricultural and Food Science, University of Naples Federico II

Chairmen: V. Lanzotti and K. Ritchie

14.50-15.30 PL1 Giovanni Appendino (Italy) “to be announced”

15.30-16.00 O1 Karel Smejkal (Czech Republic) “Cytotoxic Activities of Prenylated Phenolic Substances”

16.00-16.20 O2 Anca Miron (Romania) “Synergism between natural products and antibiotics – shifting from mono-targeted to multi-targeted antimicrobial therapy”

16.20-16.40 O3 Abiodun Falodun (Nigeria) “Bioactivity Guided Investigation of *Caesalpinia pulcherrima* (Linn.) for Antimalarial Activity”.

16.40-17.00 Coffee Break

Chairmen: P. Avato and M. Iorizzi

17.00-17.40 PL2 Francisco Macias (Spain) “Do you know everything about cherimoya uses?”

17.40-18.00 O4 Christian Zidorn (Germany) “Chemosystematics and chemical ecology: Tools in the rational search for bioactive natural products”

18.00-18.20 O5 Vuyelwa Tembu (South Africa) “Cytotoxicity screening of triterpenoids from two South African medicinal plants *Pleurostyliia capensis* and *Clerodendrum glabrum* against a panel of cancer cell lines”

18.20-18.40 O6 Brigida D’Abrosca (Italy) ” NMR-based metabolomic approach for the screening of Mediterranean plants as valuable source of anticancer agents”

18.40-20.00 Welcome mixer

WEDNESDAY – September 5

Chairmen: G. Trombetti and S. Mazzoleni

9.00-9.40 PL3 Luigi Preziosi (Italy) “Can mathematical models support cancer research?”

9.40-10.20 PL4 Paolo Netti (Italy) Tumor-on-chip devices a reliable tool for therapy and diagnostic”

10.20-10.40 O7 Daniel Tartakowski (USA) “to be announced”

10.40-11.00 O8 Fabrizio Carteni (Italy) “Modular and hybrid approaches to simulate cell growth and metabolism”

11.00-11.30 Coffee Break

Chairmen: G. Appendino and V. Lanzotti

- 11.30-12.10** **PL5 Valter Longo (USA)** “Fasting mimicking diets, diseases and longevity”
12.10-12.30 **O9 Kenneth Ritchie (UK)** “Cancer chemoprevention and cancer treatment: two opposing ends of the cancer spectrum united through their relationship with natural products.”
12.30-12.50 **O10 Oana Cioanca (Romania)** “Spices for a Healthy Brain”
12.50-13.10 **O11 Pop Sevinci (Romania)** “Epigenetic mechanism of nutraceuticals in chemoprevention”

13.10-14.00 Lunch

Chairmen: M.J. Umbelino Ferreira and A. Fiore

- 14.00-14.40** **PL6 Miroslav Strnad (Czech Republic)** “Phytohormone applications to target broader pathological “hallmarks” of cancer “
14.40-15.00 **O12 Milan Urban (Czech Republic)** “Triterpenes with Antitumor Properties, their Synthesis and Mechanism of Action”
15.00-15.20 **O13 Alfonso Mangoni (Italy)** “Combined Use of Chiroptical Techniques and Computational Modeling as an Aid for Structure Elucidation of Natural Products”
15.20-15.40 **O14 Francesco Epifano (Italy)** “Citrus Auraptene: Recent Acquisitions and New Perspectives as Cancer Therapeutic and Chemopreventive Agent”
15.40-16.00 **O15 Didem Sohretoglu (Turkey)** “Ganoderma lucidum inhibits mTORC1 and mTORC2 signaling pathways in lung cancer cells”

16.30 BUS DEPARTURE TO THE ROYAL PALACE OF PORTICI

Visit to Herculanense Museum

Cocktail and visit to Botanical Garden

19.30 BUS DEPARTURE TO NAPOLI

THURSDAY – SEPTEMBER 6

Chairmen: R. Arroo and F. Epifano

- 9.00-9.40** **PL7 Paul Kroon (UK)** “The fundamental importance of metabolism and bioavailability in determining the efficacy of polyphenols”
9.40-10.00 **O16 Raffaele Sacchi (Italy)** “Mediterranean Diet and cooking: molecular interactions and intake of functional phytochemicals from virgin olive oils and other vegetables”
10.00-10.20 **O17 Prokopios Magiatis (Greece)** “Effect of High-Oleocanthal and oleacein olive oil in patients with chronic lymphocytic leukemia”
10.20-10.50 **O18 Avila Galvez (Spain)** “Metabolic profiling of dietary polyphenols and methylxanthines in normal and malignant mammary tissues from breast cancer patients”
10.50-11.00 **O19 Ilario Mennella (France)** Phytochemicals effects before absorption: the journey matters

11.00-11.30 Coffee Break

Chairmen: M. Strnad and M. Curini

- 11.30-12.10** **PL8 Maria Ferreira (Portugal)** “Plant-derived Compounds for Tackling Multidrug Resistance in Cancer”

- 12.10-12.30 O20 Fatma Saltan (Turkey)**” Inhibitory Effect of Tannic Acid on Acetylcholinesterase, Butyrylcholinesterase, α -Glycosidase and α -Amylase Enzymes²
- 12.30-12.50 O21 Antonio Speciale (Italy)** ”In vitro studies on curcumin efficacy in cancer combination therapy”
- 12.50-13.10 O22 Hiba Jasim (UK)** “Chemopreventive effect of synthetic chalcones against MDA toxicity”
- 13.10-14.00 Lunch**
- Chairmen: C. Zidorn and A. Mangoni
- 14.00-14.40 PL9 Srijit Das (Malaysia)** “Ginger (*Zingiber officinale*) extract as an anticancerous agent: scientific facts”
- 14.40-15.00 O23 Hasan Kirmizibekmez (Hungary)** “Iridoids from the roots of *Valeriana dioscoridis* and their antiproliferative activities”
- 15.00-15.20 O24 Alessandro Maugeri (Italy)** ”The anti-cancer effect of oleacein in an in vitro experimental model of human neuroblastoma”
- 15.20-15.40 O25 Attila Vanyolos (Greece)**” Higher macrofungi as promising source of natural products with cytotoxic activity”
- 15.40-16.00 O26 Augustine Ahamadu (Nigeria)** “Constituents of *Acacia nilotica* (K.) Delile with novel kinase inhibitory activity”
- 16.00-16.30 Coffee break**
- Chairmen: F. Macias and F. Bucar
- 16.30-17.10 Bruker prize lecture Jean-Luc Wolfender (Switzerland)** “Metabolomics for Conducting Targeted Isolation of Bioactive Natural Products - Wnt pathway signaling inhibitors as a case study”
- 17.10-17.50 PL10 Vassilio Roussis (Greece)** “Untapping the potential of marine life for biomedical applications”
- 17.50-18.10 O27 Laura Grauso (Italy)** “Novel cytotoxic saponins from black Sea Cucumber *Holothuria atra*”
- 18.10-18.30 O28 Bruna de Falco (UK)** “Metabolomic analysis of *Salvia hispanica* (L.) commercial and mutants seeds grown under different irrigation regimes
- 18.30-19.30 POSTER SESSION**
- 19.30-19.45 PRIZE CEREMONY**
- 20.00 SYMPOSIUM DINNER**

FRIDAY – September 7

(Chairmen: V. Roussis and S. Das)

- 9.00-9.40 PL11 Satyajit Sarker (UK)** “Evidence-based phytotherapy for cancer: An update”
- 9.40-10.00 O29 Santa Cirimi (Italy)** “Intake of Citrus fruits and oral cancer risk: a meta-analysis study”
- 10.00-10.20 O30 Angela Guerra (Portugal)** “Effect of an Eucalyptus bark lipophilic extract on the metabolism of triple negative breast cells as viewed by NMR metabolomics”

- 10.20-10.40 O31 Antonella Smeriglio (Italy)** “Opuntia ficus-indica (L.) Mill. fruit as source of betalains with antioxidant, cytoprotective and anti-angiogenic properties”
- 10.40-11.00 O32 Daniela Russo (Italy)** “Antioxidant and cytotoxic activities of methanol extract from *Sclerocarya birrea* [(A. Rich.) Hochst.] bark on HepG2 cell line”
- 11.00-11.30** Coffee Break
- (Chairmen: S. Sarker and F. Tomè)
- 11.30-12.10 PL12 Randolph Arroo (UK)**” Forty years of antioxidants and cancer prevention, what have we achieved?”
- 12.10-12.30 O33 Jan Schripsema (Brazil)**” Ethnopharmacology in Latin America. The problems encountered in the search of traditional information. The case of Carqueja, a popular medicinal plant”
- 12.30-12.50 O34 Armando Zarrelli (Italy)** “*Artemisia annua* in Campania Region (Southern Italy): a botanical, genetic and phytochemical study”
- 12.50-13.10 O35 Stephanie Guetchueng (UK)** “Potential cancer chemopreventive compounds from *Croton oligandrus*”
- 13.10-13.30 CLOSURE**