



ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

1963–2023

60th ANNIVERSARY OF ACTIVITIES



INTERNATIONAL SCHOOL OF OF PHARMACOLOGY

«GIAMPAOLO VELO»

94th Course: INFLAMMATION AND LIPID SIGNALING IN DISEASE PATHOGENESIS

ERICE-SICILY: 25 – 28 MARCH 2024

Sponsored by the: • Italian Ministry of Education, University and Scientific Research • Sicilian Regional Government
• DFG German Research Association; RTG AVE 2336

PROGRAMME AD LECTURERS

Adaptation of immune cells during inflammation in an organ-specific manner
• N. ALONZO GONZALES, University of Münster, DE

lncRNAs and cardiovascular biology
• R. BRANDES, Goethe University, Frankfurt, DE

At the crossroad of hypoxia, iron metabolism and ferroptosis
• B. BRÜNE, Goethe University, Frankfurt, DE

Tumor-Educated Platelet Extracellular Vesicles in obesity and cancer
• A. CONTURSI, G. d'Annunzio University, Chieti, IT

The role of oxPL in thrombosis, arthritis and aneurysms
• D. COSTA, Cardiff University, UK

Cytochrome P450 and soluble epoxide hydrolase-derived oxylipins in physiology/pathophysiology
• I. FLEMING, Goethe University, Frankfurt, DE

Insights into the Mechanism of Resistance to Anticancer Agents in Pancreatic Cancer
• E. GIOVANNETTI, VU University Medical Center, Amsterdam, NL

SPM formation during leukocyte/cell interactions
• A. KAHNT, Goethe University, Frankfurt, DE

Thromboinflammation and antiplatelet agents in viral and bacterial pneumonia
• P. MINUZ, University of Verona, IT

A systems pharmacology approach to elucidate the mechanism of action of antiplatelet agents in cancer
• P. PATRIGNANI, G. d'Annunzio University, Chieti, IT

Development of new soluble epoxide hydrolase phosphatase inhibitors
• E. PROSCHAK, Goethe University, Frankfurt, DE

Role of COX-2 derived oxylipins in the cardiovascular system
• E. RICCIOTTI, University of Pennsylvania, Philadelphia, PA, US

The life and death balance of neutrophils in inflammatory lung diseases
• A. ROSSI, University of Edinburgh, UK

Lipid mediators assessment: When, where and how
• A. SALA, University of Milan, IT

The effect of diet on lipid mediators: How omega3 fatty acids and polyphenols modulate the formation of oxylipins
• N.H. SCHEBB, University of Wuppertal, DE

Regulation of protein translation in cancer and inflammation
• T. SCHMID, Goethe University, Frankfurt, DE

Canonical and noncanonical functions of lipoxygenases in the onset and resolution of inflammation
• D. STEINHILBER, Goethe University, Frankfurt, DE

RNA as switches for the modulation of lipid signaling
• B. SUESS, Technical University of Darmstadt, DE

A broad-spectrum lipidomics of whole blood to discover novel anti-inflammatory agents
• S. TACCONELLI, G.d'Annunzio University, Chieti, IT

Role IL38 in inflammation and its resolution
• A. WEIGERT, Goethe University, Frankfurt, DE

PURPOSE OF THE COURSE

Aim of the Course is to focus on the inflammation, lipid signaling, and the molecular mechanisms underlying various diseases, like cancer and heart failure.

The high-quality speakers could lead young researchers in these advanced topics offering an updated overview of the recent results of epidemiological, clinical and pharmacological research.

In the tradition of the School, young researchers are encouraged to actively participate to discussions and to present the results of their scientific work during the poster session or with short oral communications.

APPLICATIONS

Persons wishing to attend the Course should send an application, by electronic mail, to:

Professor Angelo Sala
Department of Pharmaceutical Sciences, University of Milano, IT
email: angelo.sala@unimi.it

Specifying:

- Date and place of birth together with present nationality
- Present position and place of work
- An abstract, if they wish to give a contribution (oral or poster)

PLEASE NOTE

Participants must arrive in Erice no later than 12 a.m. on 25th March 2024.

POETIC TOUCH

According to legend, Erice, son of Venus and Neptune, founded a small town on top of a mountain (750 metres above sea level) more than three thousand years ago. The founder of modern history — i.e. the recording of events in a methodic and chronological sequence as they really happened without reference to mythical causes — the great Thucydides (~500 B.C.), writing about events connected with the conquest of Troy (1183 B.C.) said: «*After the fall of Troy some Trojans on their escape from the Achaei arrived in Sicily by boat and as they settled near the border with the Sicilians all together they were named Elymi: their towns were Segesta and Erice.*»

This inspired Virgil to describe the arrival of the Trojan royal family in Erice and the burial of Anchises, by his son Aeneas, on the coast below Erice. Homer (~1000 B.C.), Theocritus (~300 B.C.), Polybius (~200 B.C.), Virgil (~50 B.C.), Horace (~20 B.C.), and others have celebrated this magnificent spot in Sicily in their poems. During seven centuries (XIII-XIX) the town of Erice was under the leadership of a local oligarchy, whose wisdom assured a long period of cultural development and economic prosperity which in turn gave rise to the many churches, monasteries and private palaces which you see today.

In Erice you can admire the Castle of Venus, the Cyclopean Walls (~800 B.C.) and the Gothic Cathedral (~1300 A.D.). Erice is at present a mixture of ancient and medieval architecture. Other masterpieces of ancient civilization are to be found in the neighbourhood: at Motya (Phoenician), Segesta (Elymian), and Selinunte (Greek). On the Aegadian Islands — theatre of the decisive naval battle of the first Punic War (264-241 B.C.) — suggestive neolithic and paleolithic vestiges are still visible: the grottoes of Favignana, the carvings and murals of Levanzo.

More information about the activities of the Ettore Majorana Foundation can be found on the WWW at the following address:
<https://ettoremajoranafoundation.it>