



ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF PHARMACOLOGY "GIAMPAOLO VELO"

DIRECTORS: M. LINDQUIST, P. MINUZ, U. MORETTI

International course on

CANCER AND CARDIOVASCULAR DISEASES: COMMON MECHANISMS AND STRATEGIES OF PREVENTION

July 27th arrival – 30th departure 2025 in Erice, Italy

Scientific sessions will start on 28th July at 9 a.m. and will end on 30th July at 1 p.m.

Course Directors: Vincenzo Bronte, Bernhard Brüne, Pietro Minuz, Paola Patrignani, Dieter Steinhilber

Aim of the course is to focus on recent scientific knowledge about common mechanistic, pathophysiological, clinical and therapeutic aspects in cancer and cardiovascular disease. High-quality speakers will guide young researchers in these advanced topics by presenting their recent research results. In the tradition of the School, young course participants are encouraged to actively participate in the discussion and present the results of their scientific work as posters or short oral communications.



Preliminary program

Topics and Speakers

Myeloid cells and immune evasion in cancer

Vincenzo Bronte (IOV - Veneto Oncology Institute – IRCCS, Italy)

ALOX15B in Macrophages: Biological Responses

Bernhard Brüne (Goethe University Frankfurt, Germany)

Immunomodulatory Roles of Tumor-Associated Macrophages in Lymphomas: Mechanisms and
Therapeutic Targeting

Heiko Bruns (Friedrich-Alexander-University Erlangen-Nürnberg, Erlangen, Germany)



ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF PHARMACOLOGY "GIAMPAOLO VELO"

DIRECTORS: M. LINDQUIST, P. MINUZ, U. MORETTI

Endothelial dysfunction in cancer; detrimental effects of anti-cancer treatment on endothelial function

Stefan Chlopicki (JCET, Poland)

Metabolic Regulation of Immune Responses

Salvatore Cortellino (Scuola Superiore Meridionale, Italy)

PUFA metabolites in cancer and cardiovascular disease

Ingrid Fleming (Goethe University Frankfurt, Germany)

Ferroptosis - Implications of Macrophages in the Tumor Context

Dominik Fuhrmann (Goethe University Frankfurt, Germany)

Platelets as a vehicle for the treatment of cancer

Paolo Gresele (University of Perugia, Italy)

12-Lipoxygenase represents a novel target for regulation of platelet activity and thrombosis in heparin-induced thrombocytopenia

Michael Holinstat (University of Michigan, USA)

Microsomal prostaglandin E synthase-1 as target for treating inflammation and cancer

Per-Johan Jakobsson (Karolinska University Hospital, Sweden)

The role of human 5-lipoxygenase in carcinogenesis - a question of canonical and non-canonical functions?

Astrid Kahnt (Goethe University Frankfurt, Germany)



ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF PHARMACOLOGY "GIAMPAOLO VELO"

DIRECTORS: M. LINDQUIST, P. MINUZ, U. MORETTI

Unexpected roles of T cells in oncological and cardiovascular disease

Marinos Kallikourdis (IRCCS Humanitas Research Hospital, Italy)

The Janus face of aspirin in the gastrointestinal tract. A clinical perspective

Angel Lanas (University of Zaragoza, Spain)

Thromboinflammation

Pietro Minuz (University of Verona, Italy)

The role of phospholipid oxidation in driving coagulation and thrombosis in cardiovascular disease
and autoimmunity

Valerie O'Donnell (Cardiff University, UK)

Platelets, a biomarker and therapeutic target for cancer and metastasis

Paola Patrignani (G.d'Annunzio University of Chieti, Italy)

Low-dose Aspirin, Cardiovascular Disease and Cancer: The Clinical Trial Evidence

Carlo Patrono (Catholic University School of Medicine, Rome, Italy)

From MAFLD to cirrhosis and hepatocellular carcinoma: role of inflammation and platelets

David Sacerdoti (University of Verona, Italy)

Aspirin and DHA in endothelial cell migration and angiogenesis

Angelo Sala (University of Milan, Italy)

The detrimental alliance between Megakaryocytes, Neutrophils and Neutrophils extracellular traps
in lung cancer progression

Sabina Sangaletti (IRCCS Foundation National Cancer Institute, Italy)



ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF PHARMACOLOGY "GIAMPAOLO VELO"

DIRECTORS: M. LINDQUIST, P. MINUZ, U. MORETTI

Esterified oxylipins are bound in specific lipids

Nils Helge Schebb (University of Wuppertal, Germany)

Aspirin Enhances T cell Immunity to Cancer Metastasis

Rahul Roychoudhuri (University of Cambridge, UK)

Immunometabolic dysregulation in cancer

Antonio Sica (IRCCS Humanitas Research Hospital, Italy)

Noncanonical functions of 5-lipoxygenase in inflammation and cancer

Dieter Steinhilber (Goethe University Frankfurt, Germany)

Regulation of miRNA processing by 5-lipoxygenase

Beatrix Suess (Technical University of Darmstadt, Germany)

WHAT'S INCLUDED

The Foundation is a very attractive place situated in the pre-medieval town of Erice, where three restored monasteries provide an appropriate setting for courses and lodging for participants. If you have previously visited Erice, you will know the kind of meetings that are held there: informality, a lot of discussion, hard work, good food and wine. **Breakfast** is provided daily at the "Rabi" Institute-San Rocco, whereas for **lunch** and **dinner** a choice of meals is arranged at a few local restaurants selected by the E. Majorana Foundation (drinks not included). The days usually end up in San Rocco Cellar, where every evening after dinner participants meet for a taste of **Marsala wines & Sicilian pastries**, to be enjoyed in very friendly atmosphere.

Although the journey to Sicily is not included in the cost of the course, low-cost air-companies such as Ryan Air, Volotea, Vueling and Easy Jet operate towards Trapani Birgi and Palermo Punta Raisi Airports. A complementary shuttle service is organized by the E. Majorana Foundation upon arrival and departure of all participants.



ETTORE MAJORANA FOUNDATION AND CENTRE FOR SCIENTIFIC CULTURE

TO PAY A PERMANENT TRIBUTE TO GALILEO GALILEI, FOUNDER OF MODERN SCIENCE
AND TO ENRICO FERMI, "THE ITALIAN NAVIGATOR", FATHER OF THE WEAK FORCES



INTERNATIONAL SCHOOL OF PHARMACOLOGY "GIAMPAOLO VELO"

DIRECTORS: M. LINDQUIST, P. MINUZ, U. MORETTI

The cost of the course is:

€ 450 arrival 27th departure 30th July 2025

The cost includes participation, airport transfers in Sicily (from and to Palermo and Trapani airports), accommodation and breakfast in one of the Monasteries of EMFCSC, lunch and dinners in either of the partner restaurants in Erice. Guided Tour (visit to archaeological sites near Erice) on 28th July, Gala-Dinner on 29th July.

ABOUT THE SCHOOL...

Since 1963, authors of new discoveries and inventions covering all branches of science, among which around a hundred were Nobel Prize laureates, have come to Erice to teach students. Post-doctoral students come to Erice to find out directly from scientists from all over the world what is being done in the most advanced sectors of their field, listen to the lessons, and ask questions and discuss, contributing to the topics with a fresh point of view and different approaches.

The International School of Pharmacology, founded in 1976 and recently named after the late Prof. Giampaolo Velo, has organized 86 courses and workshops on various internationally discussed topics, such as the safe use of drugs, drug innovation, medication errors, drug communication, patient safety, and many others. Reports regarding many of the courses and workshops held in Erice have been published in international scientific journals, such as the British Journal of Clinical Pharmacology (BJCP) and Drug Safety, or as books (NATO ASI proceedings, Plenum Press).

To know more about the Foundation visit <http://www.ccsem.infn.it>

To know more about Erice visit <http://www.turismo.trapani.it/it/1007/erice.html>