

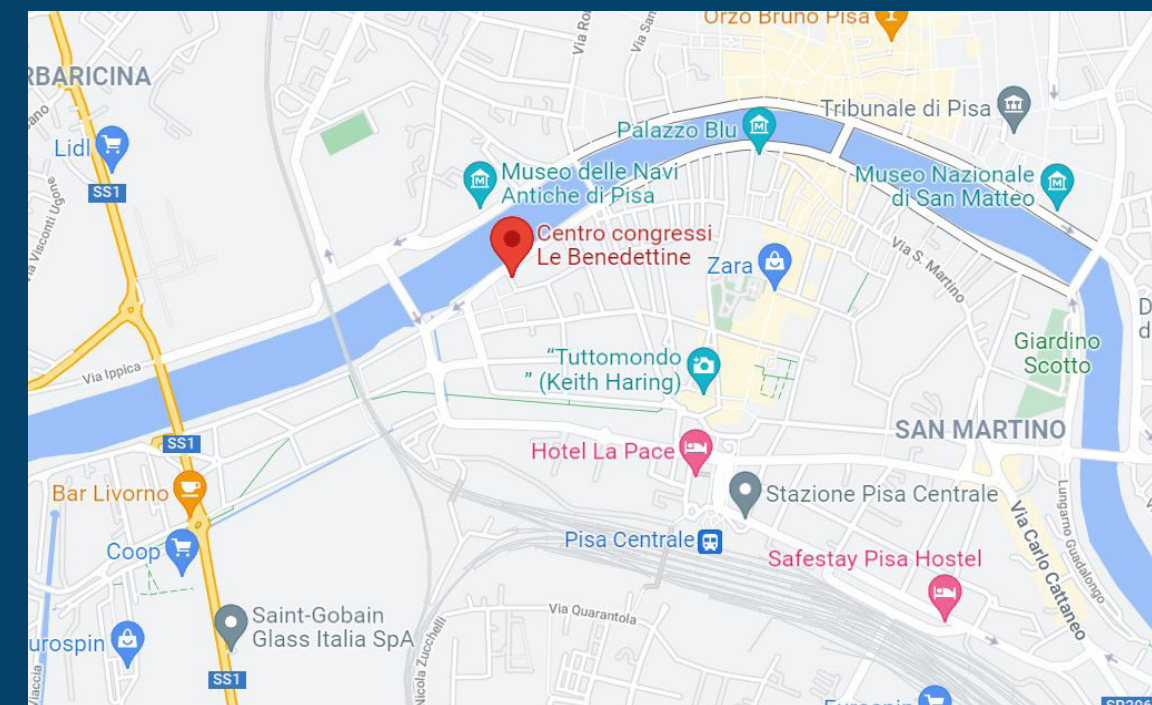
University of Pisa, School of Medicine

Department of Surgical, Medical, Molecular Pathology and Critical Care Medicine

“Cardiovascular Summer School:
Clinical and Experimental”, VIII edition
Pisa July 4th - July 9th 2022

Venue

PISA
POLO CONGRESSUALE LE BENEDETTINE
PIAZZA S. PAOLO A RIPA D'ARNO, 16



3 ECTS credits
Official Language: ENGLISH
45 participants maximum
(selection according to CV and application date)

Course Format

Lectures in hybrid format (in presence and remotely), with interactive discussions and debates

Registration fee

Regular fee: 500 €, including participation to the Course, course material and gadgets, course media repository, free University wifi, reduced price canteen card, free cards for public transportation in Pisa (either bus or bike), free access to the University of Pisa Museums (www.sma.unipi.it), and University insurance.

Reduced fee: 250 €
reduced registration fee of 250 € will apply to applicants sending registration form by March 18th, and fee payment no later than May 31th, 2022

How to apply:

go to: <https://www.unipi.it/index.php/how-to-apply>
or <http://summerschool.cardiovascular.med.unipi.it>
and click on: Registration, and follow instructions

Main Topics

Introduction to Cardiovascular Disease

Global Burden of CV disease and its changing over the last decade
Pathophysiology of systemic and pulmonary circulation
Learning about cardiovascular disease: future directions

Ischemic heart disease

Atherothrombotic vascular disease
Acute and Chronic Ischemic Syndromes
Acute Coronary Syndromes
Microvascular disease

Cardiometabolic diseases

Mechanisms regulating metabolic and cardiovascular functions
Definition and classification of cardiometabolic diseases
Cardiometabolic diseases in specific conditions

Cardiomyopathies

Hypertensive heart disease
Hypertrophic and Dilated cardiomyopathy
Right Ventricular Arrhythmogenic dysplasia

Arrhythmic disorders

Mechanisms of arrhythmias and conduction disorders
Emergency in cardiac rhythm abnormalities: how to manage if you are not yet a cardiologist
Perspectives in electrophysiology and interventional therapies
Sudden cardiac death

Heart Failure

Principles and methods of ventricular-arterial coupling
Classification and pathophysiology of heart failure
Pathophysiology of anti-neoplastic drug-induced heart failure
Heart failure in patients with cancer

Pulmonary hypertension: from pathophysiology to treatment

Definition, classification, pathophysiology and treatment

Vascular and aortic syndrome diseases

Advanced imaging

Ultrasound and stress echocardiography,
Angio-TC, cardiac magnetic resonance,
PET in cardiovascular diseases
Imaging in acute intensive care and POCUS

Antithrombotic and anticoagulant drugs: state of the art

Pathophysiology of atherothrombosis and antithrombotic agents

Physical exercise

Physiology and clinical impact of physical exercise
Cardiovascular adaptation to extreme conditions
Exercise prescription for primary and secondary prevention
Cardiopulmonary test in heart failure and pulmonary hypertension

Stress and cardiovascular disease

Pathophysiology of stress, and investigation of susceptibility to stress in clinical practice

Functional syndromes including tako-tsubo syndrome

Planning and publishing your research

Learning about practical, ethical and theoretical aspects in the planning, organization and management of clinical trials
Understanding the experimental design and statistical analysis and how to write a manuscript



EXPLORE THIS SUMMER
EXPLORE YOUR FUTURE



<http://summerschool.cardiovascular.med.unipi.it>

Course Directors: Prof. Raffaele De Caterina & Prof. Carlo Palombo
Chair of Cardiology, University of Pisa

Lecturers from the Pisa University System and other National and European Research and Academic Institutions

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for administrative issues

or to: support.summerschool@unipi.it

Cardiolung 2022 is funded by University of Pisa, with unrestricted support from:



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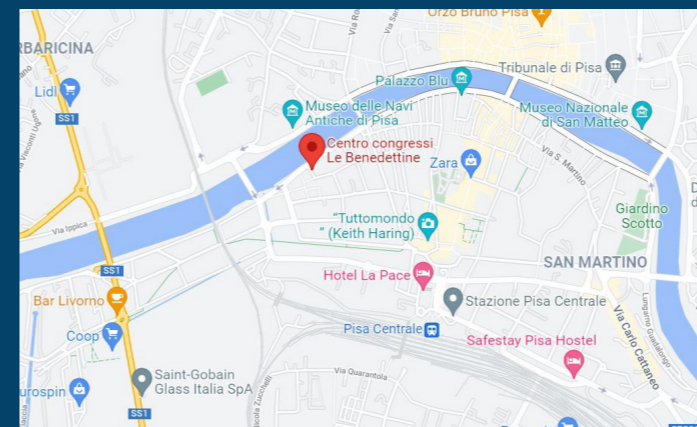


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