



Summer School 2014

"Updates in Cardiovascular Pathophysiology"

from 15 to 26 september 2014

University of Pisa Summer Schools - UPSS

School of Medicine

Time	September 15th	OPENING SESSION
8.30-9.00	Marco GUIDI, Riccardo ZUCCHI Mario MARZILLI	Welcome address: Vice-Dean for International Promotion, President of the Graduation Course in Medicine, Chair of Cardiology, University of Pisa
9.00-11.00	Kennedy J CRUICKSHANK	Opening Lecture: Cardiovascular Disease Burden in the World: Ethnic Health, Environment and Genes.
11.00-12.00	Raffaele DE CATERINA in codocenza JK CRUICKSHANK	Biology of the Atherosclerotic Disease.
12.00-13.00	Fabrizio GEMMI in codocenza JK CRUICKSHANK	Academic vs Health System Driven Research: Overcoming Dichotomy through an Integrated Public System ?
15.00-17.00		Registration of the participants at the University International Relation Office

Time	September 16th	GENETICS AND PATHOLOGY
9.00-10.00	Riccardo ZUCCHI	Myocardial Preconditioning: Biological and Molecular Mechanisms
10.00-11.00	Maria Grazia ANDREASSI	Genotoxicity and Cardiovascular Disease: Which Evidence ?
11.00-12.00	Alessandro PINI	Rare Genetic Cardiovascular Diseases: Transferring Basic Knowledge to the Clinical Field
12.00-13.00	Alessandro PINI	Marfan's Syndrome: Detection & Management
15.00-16.00	Mauro FERRARI	Critical Issues in Vascular Surgery
16.00-17.30	Generoso BEVILACQUA	Special Guest Lecture: Pathology of Cardiac Sudden Death
17.30-18.00		General Discussion

Time	September 17th	MOLECULAR BIOLOGY
9.00-10.00	Alessandro CELI	Microparticles at the Interface Between Blood Coagulation and Inflammation
10.00-11.00	Vincenzo LIONETTI	The Exosomes: New Epigenetic Mediators of Myocardial Adaptive Response to Ischemia
11.00-12.00	Alberto R DE CATERINA	Remote Myocardial Preconditioning: Biological and Molecular Mechanisms
12.00-12.45	PANEL	General Discussion
15.00-16.00	Prisco PISCITELLI	Bone Demineralization and Cardiovascular System
16.00-17.00	Alessandro DISTANTE	Smart Cardiology and Smart Medicine within Smart Communities: Social Innovation will improve Research, Education and Health Care

Time	September 18th	CIRCULATORY PATHOPHYSIOLOGY
9.00-10.00	Lorenzo GHIADONI	Flow Mediated Vasodilation: Value & Pitfalls.
10.00-11.00	Agostino VIRDIS	Investigating Small Arteries Structure and Function in Man: the Dark Side of the Moon ?
11.00-12.00	Marco ROSSI	Peripheral Microcirculation: What Do Different Methods See ?
12.00-13.30	Mario MARZILLI	Rethinking Ischemic Heart Disease: Chronic and Acute Ischemic Syndromes
15.00-16.00	Carlo PALOMBO	Arterial Wave Propagation Analysis: Pathophysiology and Clinical Evaluation
16.00-17.00	Interactive Discussion	Methods for noninvasive hemodynamic assessment

Time	September 19th	ISCHEMIC HEART DISEASE
9.00-10.00	Carlo PALOMBO	Ventricular-Arterial Coupling: Principles and Methods
10.00-11.00	Silvia PELLEGRINI	The Genoma Project and its Implications for the Physician of the 21st Century: Expectations & Disappointments.
11.00-12.00	Francesco COSENTINO	Oxidative Stress and Epigenetic Signatures of Vascular Risk
12.00-13.00	Felicita ANDREOTTI	Antithrombotic Treatment: the Old and the New

Time	September 22th	CARDIOMETABOLIC RISK
9.00-9.45	Alfredo QUINONES GALVAN	Principles of Metabolism for the Clinician
9.45-10.30	Alfredo QUINONES GALVAN	Cardiovascular Diets: Facts and Myths
10.30-11.15	Amalia GASTALDELLI	Brown Adipose Tissue Mystery Tour
11.15-12.00	Monica NANNIPIERI	Is Obesity a Risk Factor for Cardiovascular Disease?
12.00-13.00	Giovanni FEDERICO	“Primordial” Prevention: Starting From Children and Adolescents
15.00-16.30	Giorgio IERVASI *	The Thyroid-Heart Loop: a Long and Winding Road
16.30-18.00	Local Faculty *	Round Table: How to Cope with Obesity Epidemics

Time	September 23th	CARDIOVASCULAR AGEING AND RISK
9.00-10.00	Giuseppe SCHILLACI	Metabolic Syndrome and the Cardiovascular System: New Perspective or Global Illusion?
10.00-11.00	Andrea NATALI	Does Glucose-Lowering Therapy Improve Vascular Disease in Diabetes? A Still Open Problem
11.00-12.00	Pietro A. MODESTI	Diagnosing Cardiovascular Disease in a Low-Resource Settings
12.00-13.00	Carlo PALOMBO	Vascular Ageing and Tissue Biomarkers of Preclinical Disease: Are We Overestimating Atherosclerosis ?
15.00-17.00	Carmela MORIZZO & Daniela GUARINO	Hands On Session: Live Demonstrations With New Vascular Ultrasound Techniques

Time	September 24th	MYOCARDIAL DISEASES
9.00-10.00	Vitantonio DI BELLO	Cardiac ultrasound: multiple windows to cardiac structure and function
10.00-11.00	Michele EMDIN	Heart Failure as a Systemic Disease
11.00-12.00	Iacopo OLIVOTTO	Hypertrophic Cardiomyopathies: Laboratory Investigation and Clinical Management
12.00-13.00	Maria Lorenza MUIESAN	Hypertension and the Heart
13.00-14.00	PANEL	General Discussion

Time	September 25th *	AUTONOMIC NERVOUS SYSTEM, EXERCISE & LIFESTYLE
9.00-10.00	Massimo PAGANI	Sympathovagal Balance and Baroreflex Sensitivity in Cardiovascular Regulation
10.00-11.00	Daniela LUCINI	Lifestyle Interventions and Stress Management
11.00-12.00	Ferdinando IELLAMO	Tailoring Exercise Training in Cardiac Rehabilitation: Promise and Evidence
12.00-12.30	PANEL	General Discussion
15.30-16.30	Giorgio GALANTI	Exercise Training and Cardiovascular System: the Path to Optimal Physical Fitness

Time	September 26th	SPOTLIGHTS IN CARDIOVASCULAR MEDICINE
9.00-10.00	Stefano TADDEI	The Critical Issue of Resistant Hypertension: Pathophysiology and Clinical Aspects
10.00-11.00	Daniele ROVAI	Clinical Diagnosis, ECG and Non Invasive Imaging. Not All That Glitters Is Gold
11.00-12.00	Speranza RUBATTU	Hypertension and Stroke
12.00-13.00	Gianfranco GENSINI	Closing Lecture: From Guidelines to Personalized Medicine: a Challenge for the 21st Century
14.30-16.00	Local Faculty	Final Test Evaluation & Closure of the Course

PS.: LECTURE ROOMS

PLEASE, NOTE THAT:

- a) On September 15th and September 26th all lectures will be given at the historical University Medical School, Via Roma 55, "Aula Massart"
- b) All other lectures except those indicated with asterisk (*) will be given at Ospedale Cisanello, Cardiac and Thoracic Department, Building N. 10, 2[^] Floor, Seminar Room
- c) On September 22nd afternoon, and September 25th am and pm, lectures will be given at Ospedale Cisanello, Cardiac and Thoracic Department, Building N. 10, Ground Floor Classroom