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EXPLORE THIS SUMMER
EXPLORE YOUR FUTURE



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SUMMERSCHOOL CARDIOLUNG 2019:

Updates in Cardiovascular and Pulmonary Pathophysiology

a University of Pisa Initiative for International Students

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

Course Directors:

Prof. Carlo Palombo and Prof. Raffaele De Caterina

Venue:

University of Pisa Botanical Garden, Aula Gaetano Savi, Via Porta Buozzi 3

ENTRANCE FROM "ISTITUTO BOTANICO" Via Luca Ghini 13

Lectures Program

June 24th AM

- 8.30 Registration of participants.
Eleonora ANDREOTTI, Carmela MORIZZO & Carlo PALOMBO, Pisa
- 9.30 **Introduction to the course**
Welcome address, **Francesco MARCELLONI**, Pisa
Summer School in the Department activity, **Riccardo ZUCCHI**, Pisa
Summer School as a Multidisciplinary programme, **Mario MARZILLI**, Pisa
- 9.45 Defining cardiovascular disease: a systemic disease with multiple clinical entities.
Mario MARZILLI, Pisa
- 10.30 Coronary pathophysiology. **Mario MARZILLI**, Pisa
- 11.15 **Break**
- 11.45 Personalized medicine in COPD. **Pierluigi PAGGIARO**, Pisa

12.45 Assessing functional capacity in the pulmonary patient. **Paolo PALANGE**, Roma

13.45 end of session

PM

15.30 Large artery structure and function. **Carlo PALOMBO**, Pisa

17.00 COPD as a systemic disease, **Leonardo M. FABBRI & Bianca BEGHÈ**,
Modena & Reggio Emilia

18.00 end of session

June 25th

AM

8.45 Global cardiovascular disease burden: ethnicity, environment and genes.
Kennedy J CRUICKSHANK, London

9.30 Tracking cardiovascular risk from early life, through adolescence to adults.
Kennedy J CRUICKSHANK, London

10.15 Break

10.45 Cell-derived microparticles: signaling between endothelium, coagulation and inflammation.
Alessandro CELI, Pisa

11.45 The University of Pisa for international students. **Paola CAPPELLINI**, Pisa

12.15 Introduction to the University of Pisa Museum System (SMA). **Chiara BODEI**, Pisa

13.00 end of session

PM

14.30 Principles of myocardial energetics. **Fabio RECCHIA**, Pisa

15.30 Mitochondrial dysfunction in cardiac disease. **Giacinta GUARINI**, Pisa

16.30 Break

16.45 From cardiac morphology to molecular analysis: insight from MRI. **Giovanni AQUARO**, Pisa

17.45 Cardiovascular disease in the emergency department. **Lorenzo GHIADONI**, Pisa

18.45 end of session

June 26th

AM

8.45 Early Vascular Ageing (EVA) - a new concept to understand the association between
ageing and cardiovascular disease. **Peter M NILSSON**, Lund

10.15 Arterial calcifications in acquired metabolic and genetic diseases.
Georges LEFTHERIOTIS, Nice

11.15 Break

11.30 Cognitive impairment and cardiovascular disease. **Ubaldo BONUCCELLI**, Pisa

12.30 Stable coronary artery disease and acute coronary syndromes:
common background or different diseases. **Doralisa MORRONE**, Pisa

13.30 end of session

PM

15.00 Peripheral arterial disease: a surgeon perspective. **Mauro FERRARI**, Pisa

16.00 “Omics” of genetically determined and acquired aortic diseases. **Riccardo LIGA**, Pisa

17.00 The aortic disease spectrum: refining pathologic classification to improve clinical
management. **Angela PUCCI**, Pisa

18.00 end of session

June 27th

AM

9.00 Principles of exercise physiology. **Arno SCHMIDT-TRUCKSÄSS**, Basel

9.45 Personalizing exercise protocols in prevention and rehabilitation.
Arno SCHMIDT-TRUCKSÄSS, Basel

10.30 Break

11.00 Heart failure beyond ejection fraction: rethinking diagnosis from first principles.
Alan G. FRASER, Cardiff and Leuven

12.00 Managing complexity and evidence in medicine: ethical principles for making clinical
decisions. **Alan G. FRASER**, Cardiff and Leuven

13.00 end of session

PM

14.30 Sudden cardiac death in the young. **Stefano VIANI**, Pisa

15.30 Marfan syndrome. **Guglielmina PEPE**, Firenze

16.30 Break

16.45 New treatment perspectives for genetic diseases. **Raffaele COPPINI**, Firenze

17.45 Guided tour to the University of Pisa Anatomical Museum, Medical School,
Gianfranco NATALE, Pisa

19.00 end of session

June 28th

AM

8.30 Carotid plaque vulnerability and stroke: from molecular biology to imaging.
Jan NILSSON, Lund

9.30 Atrial fibrillation in the XXI Century: the old and the new. **Raffaele DE CATERINA**, Pisa

10.30 Break

11.00 Arterial pulmonary hypertension: advances in pathophysiology and new therapeutic targets.
Rosalinda MADONNA, Chieti

12.00 Advances in lung imaging. **Chiara ROMEI**, Pisa

13.00 end of session

PM

14.30 Atrial fibrillation relapses predictors. **Giulio ZUCCHELLI**, Pisa

15.30 Molecular biomarkers in left ventricular hypertrophy. **Iacopo FABIANI**, Milano

16.30 Break

16.45 Pulmonary disease burden in the XXI century: causes and perspectives.
Giovanni VIEGI, Palermo

17.45 The psychobiological bases of meditation and its positive effects on distress.
Angelo GEMIGNANI, Pisa

18.45 end of session

19.45 Dinner

June 29th

AM

9.00 Perspectives in cardiovascular research. **Raffaele DE CATERINA**, Pisa

10.00 Calcific aortic valve disease: epidemiology and pathophysiologic phenotypes.
Anna Sonia PETRONIO, Pisa

11.00 Health between science and humanism. **Stefano TADDEI**, Pisa

12.00 Stress cardiomyopathy. **Emanuela TURILLAZZI** and **Marco DI PAOLO**, Pisa

13.00 Lunch

PM

14.00 Final evaluation test and awarding of diplomas



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