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

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 Personalized medicine in COPD. **Pierluigi PAGGIARO**, Pisa

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 ZUCHELLI**, 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

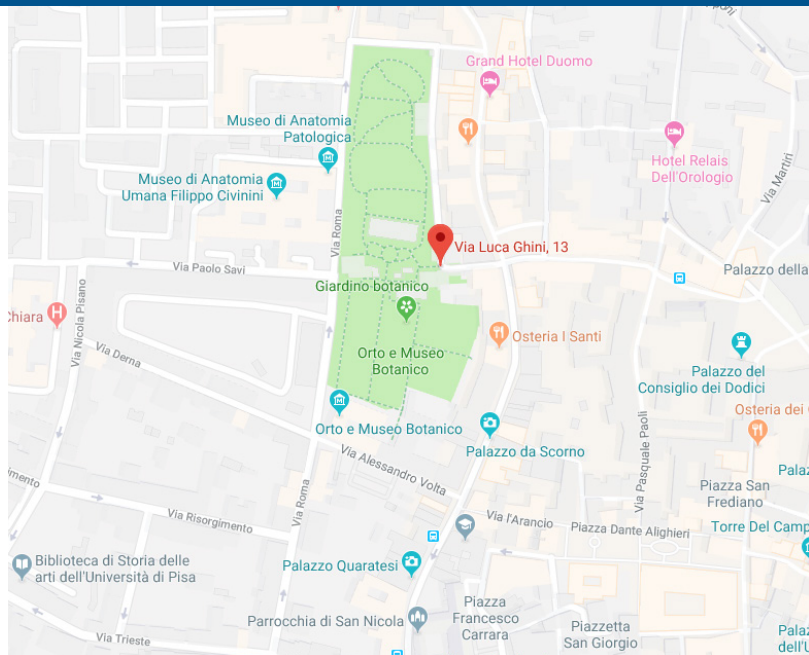


Venue

## University Botanical Garden

Aula Gaetano Savi Pisa, Via Porta Buozzi 3

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