



Special Lecture :

**Prof. Dr. Gianluigi Condorelli, MD, PhD**

Director of Cardiovascular Research Area and Head of Lab

Humanitas Clinical and Research Center, Milan, Italy

**„Epigenetics and myocardial function“**

Monday, 28/09/15

Lecture Hall H, 17:00 s.t.

Host: Prof. Heineke (phone: 3079)/Prof. Bauersachs

Organisation: Katrin Eichler (phone: 5162)



## Abstract

Prof. Condorelli group is interested in the molecular mechanisms of heart failure and, more broadly, of cardiovascular diseases. They study how genetics and epigenetics determine cardiovascular pathologies and, in particular, the roles of non-coding RNAs (microRNAs and, more recently, long-non coding RNAs) and histone and DNA modifications in different cardiovascular processes, in particular those affecting the myocardium. The study of cardiovascular diseases are approached with massive DNA sequencing techniques, bioinformatics, in vitro models of human diseases (cardiomyocytes obtained from induced multipotent progenitor cells derived from patients with inherited cardiomyopathies) and miniaturized, in vivo models of diseases. The efforts are aimed also at translating knowledge from bench to bedside.

Prof. Condorelli is full Professor of Cardiology at the "Statale" University of Milan, Director of the Cardiovascular Research Area at Humanitas Research Hospital and Visiting Professor and Chair of Molecular Cardiology at the University of Leicester, UK. He is member of the Editorial Board of several Scientific Journals: Journal American College Cardiology; Circulation Research, Cardiovascular Research, Journal Molecular Cellular Cardiology; Cell Death Disease.