



DZHK
DEUTSCHES ZENTRUM FÜR
HERZ-KREISLAUF-FORSCHUNG E.V.

UniversitätsKlinikum Heidelberg

3rd "Meet the expert" seminar 2016

— Speaker: **Dr. Nazha Hamdani**
Department of Cardiovascular Physiology
Ruhr University Bochum



— "The road to understanding titin phosphorylation/oxidation and collagen in heart failure with preserved ejection fraction"

Abstract: Heart failure with preserved ejection fraction (HFpEF) is one of the major public health challenges currently facing us, mainly due to the lack of effective treatment options. HFpEF remains poorly understood, lacks established therapies and current recommendations are based on disease-oriented evidence, including pathophysiology, extrapolated knowledge from other cardiovascular diseases, data from small studies, and expert opinion. This weakness urgently needs to be addressed, and understanding the basic mechanisms that alter diastolic function will provide opportunities to develop novel strategies aimed at correcting abnormalities. My research aims to achieve a better understanding of the role of cardiomyocyte (Titin), extracellular (Collagen) and endothelial cells in HFpEF, and to establish whether oxidative stress, inflammation, cGMP-PKG pathway and titin could be components of an effective therapeutic strategy for HFpEF.

Date: Wednesday, 07.09.2016

Time: 5.00p.m. (refreshments will be served after the seminar)

Venue: Analysezentrum III, INF 669, Room F02.332

Host: Johannes Backs

Department of Molecular Cardiology and Epigenetics