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

UniversitätsKlinikum Heidelberg

External Seminar Speaker

Prof. Dr. Niels Voigt

Institute of Pharmacology and Toxicology
University Medical Center Göttingen
Georg-August University Göttingen, Göttingen



Place: Analysezentrum 3, 2. OG, Room 02.332
Date: Friday, February 28th
Time: 12.00 am

Atrial Cardiomyopathies:

Many “molecular roads” lead to atrial fibrillation

Atrial fibrillation (AF) is the most common cardiac arrhythmia in developed countries. AF is associated with increased mortality and morbidity, primarily due to thromboembolism, stroke and worsening of preexisting heart failure. Currently available pharmacological therapies for AF suffer from unsatisfying efficacy and/or are associated with major side effects such as bleeding complications or proarrhythmia. These limitations largely result from the fact that most of the currently available drugs were developed on an empirical basis, without precise knowledge of the molecular mechanisms underlying the arrhythmia.

Emerging evidence suggests that atrial fibrillation appears as a common end point of several pathophysiological processes. In his presentation, Prof. Voigt will illustrate that the distinct underlying substrate depends amongst others on underlying diseases, risk factors and progression state of the arrhythmia. Therefore, future therapeutic concepts should be based on a patient specific proarrhythmic substrate.

Host: **Prof. Dr. med. Johannes Backs**
Director of the Institute of Experimental Cardiology
Department of Internal Medicine VIII
University of Heidelberg