



# Cardiology Science Lunch Berlin

a weekly exchange of insights and ideas in cardiovascular medicine

## The Force Within – Biomechanics in Endocardial Development

**Prof. Dr. Salim Seyfried**

Institute of Biochemistry and Biology, Potsdam University

The shape of the heart changes considerably during development and disease. Cardiac cells respond to a variety of environmental signals including biochemical, electrical, and hemodynamic triggers. During physiological growth, myocytes, endocardial and epicardial cells have to adaptively remodel to mechanical forces. A better understanding of underlying signaling will also provide a clearer picture of how alterations to cardiac function in the adult may impact cardiac remodeling.

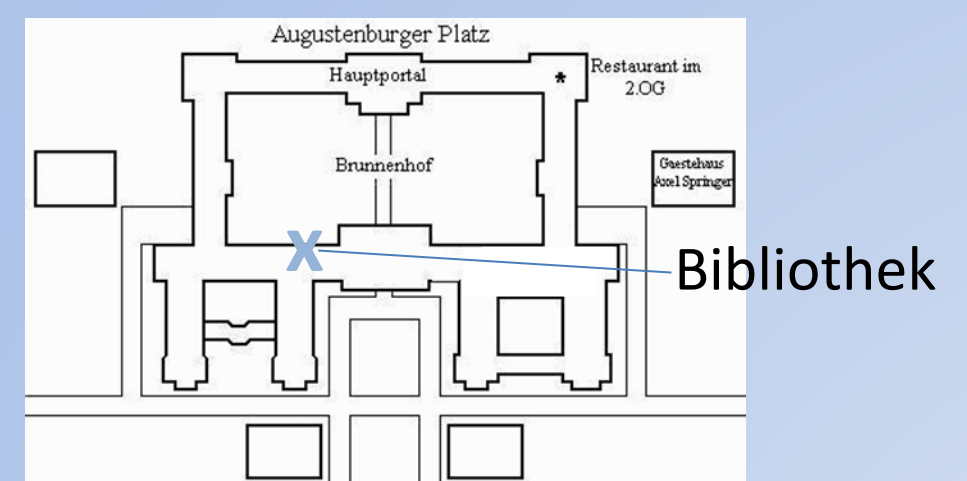
Prof. Seyfried will discuss how the endocardium develops, how endocardial-myocardial interactions influence the developing embryonic heart, and how the dysregulation of blood flow-responsive endocardial signaling can result in pathophysiological changes.

**Wednesday, 28.09.2016**

**12:00 – 13:00h**

**Bibliothek at DHZB**

Augustenburger Platz 1, Berlin



### The Cardiology Science Lunch Team

from the Department of Cardiology, Charité Universitätsmedizin, Campus Virchow-Klinikum, Berlin  
and the Department of Medicine/Cardiology, Deutsches Herzzentrum Berlin

#### Scientific Co-ordinators

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PD. Dr. Florian Blaschke  
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#### Cardiology Science Lunch Berlin

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