The Force Within –
Biomechanics in Endocardial Development

Prof. Dr. Salim Seyfried
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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

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