



# ***HBIGS Lecture***

*by*

***Dr. Thomas Korff***

***(Institute for Physiology and Pathophysiology,  
Heidelberg University)***

## ***Angiogenesis***

***Date: Wednesday, 27 Jan 2010***

***Venue: INF 267, R047***

***Abstract:***

Angiogenesis is defined as the formation of new blood vessels from pre-existing ones. This fascinating process encompasses a cascade of events including the activation of endothelial cells, their migration and proliferation, generation of lumenized structures as well as recruitment of accessory cells such as pericytes to finally form a hierarchically organized and mature network of blood vessels. Angiogenesis plays a critical role in the embryonic development, tumor growth and inflammatory responses and consequently is the focal point of many clinical oriented research projects. This lecture will give an overview about the basic mechanisms controlling angiogenesis and therapeutic approaches which evolved from these mechanistic insights.