



HBIGS Lecture

by

Prof. Manuel Mayr

(King's College London, UK)

„Systems Biology - Opportunities and challenges“

Date: Tuesday, 1 July 2014

Start of Lecture: 4 pm

Venue: INF 282 (ZMBH), Lecture Hall

Abstract:

While studying molecular interactions has been a research focus for many years and has provided important insight into biology, the attention has now shifted towards a more integrative network biology approach. The combination of different -omics technologies, such as metabolomics, proteomics and transcriptomics, can help to integrate biological information in disease-specific networks that drive pathophysiological changes. Since many of the newer -omics techniques are not "off-the-shelf" technologies, considerable efforts have to be directed towards the development of workflows and data interpretation to facilitate their application in systems and translational biology and advance discoveries in medical research.