



HBIGS

Universität Heidelberg

## ***HBIGS Lecture***

*by*

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### ***„The Broad Spectrum of Space Biology (Astrobiology) - Knowledge, Pathways and Aims“***

***Date: Wednesday, 19 Jan 2011***

***Start of Lecture: 17:00 s.t.***

***Venue: INF 282 (ZMBH), R001***

***Abstract:***

Space Biology (Astrobiology) is a relatively young discipline of science. But since a decade it is becoming more and more important. Its relevance can be easily distinguished by its center position among the other disciplines of science as there are physics, chemistry, biology, geology, meteorology, planetology, astronomy, oceanology, polar research and engineering. Accumulating the knowledge of this wide domain of research new pathways are formed to open the window to a better understanding of the evolution of the universe and the role of life, to learn more about habitability of intra- and extra-solar planets and to learn from biology the basics for technical progress on Earth and in space. Some examples for on-going investigations and future missions in desert and polar environments, on satellites, the International Space Station (ISS) and on other planets will be presented.