

COLLOQUIA IN CELLULAR SIGNALLING

Venue: Medical University Vienna, Center for Physiology and Pharmacology,
Institute of Pharmacology, Waehringerstrasse 13a, 1090 Vienna, "**Leseraum**".
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Friday 13.11.2015 11:00 s.t. Alexander Moschen (host: H. Sitte)

Universitätsklinik Innere Medizin
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***"Modulation of the Human Microbiota - Indications,
Strategies, Modes of Action, and Potential Pitfalls"***

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Abstract: Research on the human microbiota, an ultra-rapidly evolving field, has unraveled important and fascinating links between the largest and most diverse community in our body - the intestinal microbiota - and the ourselves - the host. This relation is highly mutualistic and studies revealed many relevant and previously unappreciated links between the microbial and human physiology. Alterations of the intestinal microbiota, often referred to as dysbiosis and characterized by low species richness and low gene count, is a stereotypical characteristic and found in different human diseases. With the positive impact of the "healthy microbiota" for host physiology in mind, studies were initiated aiming to modulate the human microbiota for the benefit of the host. This lecture will focus on the role of the human microbiota in human diseases and risks and benefits associated with its manipulation.