



VISION 2020 - A PERSONAL PERSPECTIVE SYNTHETIC BIOLOGY

Thursday, December 11, 2014, 17:15h
Lecture Hall Y16 G05
University of Zurich, Irchel Campus
Prof. Dr. Benjamin Geiger
Weizman Institute of Science
Rehovot, Israel



Integration of environ- mental signals at cell- matrix adhesion sites

Do you want to learn more about the cellular "sensory strategies"? Cells form a 3D scaffold that determines the macroscopic shape of tissues and organs, as well as their microscopic organization by generating and remodeling the extracellular matrix. Learn more about how the matrix transmits multiple cues - like chemical ones in form of adhesion ligands or growth factors and physical features such as matrix elasticity which are sensed by the adhesion cells to develop a response in cellular processes like immune cell adhesion and cancer invasion.

The presentation is followed by an aperitif and - for a limited number of students - by a dinner with the speaker. For the dinner, contact tasneemgulamabbas.arsiwala@uzh.ch not later than December 8, 2014 by explaining why you would like to meet the speaker.

Organization

This event series is organized by a committee of PhD students of the PhD Program in Integrative Molecular Medicine (imMed), UZH: *Institute of Physiology*: Julia Jando (chair) | Marek Whitehead *Center for Molecular Cardiology, USZ/UZH*: Tasneem Arsiwala *Division of Gastroenterology and Hepatology, USZ*: Stephanie Kasper
Supported by the SUK Program "Doktoratsprogramme"