Institute colloquium

The Institute Colloquium: Feedback Control of Signal Transduction by Dynamic Actin Ne

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Host:

Actin polymerization drives membrane movement and is spatially regulated by membrane-associated signaling complexes. Rho-family GTPases (such as Rac and Cdc42) bind and activate actin nucleation factors, which localize to discrete zones--- along the membrane corresponding to sites of actin polymerization and membrane protrusions. However, it is unclear how actin networks spatially organize signaling proteins into clusters and how this spatial organization affects signal transduction. By reconstituting a Cdc42-driven signaling cascade from purified proteins and supported lipid bilayers, we have gained mechanistic insights into how actin dynamics exert local feedback control on signal transduction events at the membrane.

Monday, May 27, 2013 04:30pm - 05:30pm
Raiffeisen Lecture Hall, Central Building

This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: https://ista.ac.at/en/campus/how-to-get-here/ The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.