

GATERSLEBEN LECTURE



Speaker: **Prof. Dr. Ekkehard Neuhaus**
(University of Kaiserslautern, Department of
Biology, Plant Physiology, Kaiserslautern,
Germany)

Title: **Sugar transport in plant cells**

Time: **Tuesday, May 16, 2017, 2 pm**

Abstract:

Plant cells are able to synthesize many different types of sugars, serving as fuel for energy metabolism, as precursors for a plethora of primary and secondary metabolites, as substrates for starch and cellulose biosynthesis, and as solutes required for tolerance against different abiotic stress stimuli. Accordingly, sugars have to be transported across the membranes of various cell organelles and such transport has to exhibit a dynamic characteristic, in dependency on developmental or external stimuli.

We have identified various transporters located in organellar membranes, e.g. vacuolar membrane, and in the plastidic inner envelope, in recent years. In this talk I will present an overview on our current understanding how corresponding transport proteins are involved in the regulation of plant sugar homeostasis, plant yield and stress tolerance.

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Place: **Lecture Hall, IPK Gatersleben**

Prof. Dr. Andreas Graner
(organizer)

Dr. Nils Stein
(host)

If you are interested in personal discussions with the speaker please contact the host (phone: 039482/5522) beforehand.