GATERSLEBEN LECTURE

IPK GATERSLEBEN

Speaker: **Prof. David E. Salt**
(Institute of Biological and Environmental Sciences, University of Aberdeen, Scotland, UK)

Title: **The Genetic Architecture of Natural Ionomic Variation in *Arabidopsis thaliana***

Time: **Thursday, March 20, 2014, 2 pm**

Abstract:
Genome-wide association (GWA) mapping using 349 wild-collected *Arabidopsis thaliana* accessions genotyped at 250k biallelic SNPs is starting to reveal the genetic architecture and molecular mechanisms underlying natural variation in the capacity of *A. thaliana* to accumulate mineral nutrients and trace elements (aka *ionome*). Furthermore, ecological studies on standing populations of *A. thaliana* in Catalonia, Spain coupled with common garden experiments in the field in the same region are now starting to reveal the existence of locally adapted populations of *A. thaliana* and a potential role for the ionomic variation identified by GWA mapping.

Place: **Lecture Hall, IPK Gatersleben**

Prof. Dr. Andreas Graner
(organizer)

Prof. Dr. Nicolaus von Wirén
(host)

If you are interested in personal discussions with the speaker please contact the host (phone: 039482/5602) beforehand.