

# Einladung

zum

# Botanischen Kolloquium

**Freitag, den 18. Januar 2019, 12 c.t.**

Nussallee 4, Hörsaal Botanik

**Referent:** Prof. Dr. Erwin Grill

*Wissenschaftszentrum Weihenstephan für Ernährung, Landnutzung und Umwelt, Technische Universität München*

**Thema:** „*Harnessing ABA Signaling for Improved Plant Performance*”

Plants are ferocious consumers of water. More than two third of anthropogenic fresh water use is channelled into agriculture contributing to social conflicts over water resources. The atmospheric carbon dioxide is taken up by plants for biosynthesis of organic compounds and this carbon influx is inherently associated with massive efflux of water vapour. The lecture will address the mechanisms involved in the homeostasis of plant's water status and whether high yield of plants can be combined with reduced water consumption by harnessing recent insights into the control of transpiration by the phytohormone abscisic acid (ABA).

**Diskussionsleitung:** Prof. Dr. D. Bartels, IMBIO (GRK)

Die Dozenten der Botanischen Institute

Zu diesem Vortrag und zu einer evtl. Nachsitzung sind Sie herzlich eingeladen