

## Curriculum vitae

**Schumacher, Karin, Univ.-Prof. Dr. rer. nat.**

**\* 1966**

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### Short description of the scientific career and academic positions

1985-1992	studies of Biology at the Universität Köln
1992	Diploma in Biology
1992 - 1995	Ph.D. studies at the Universität Köln
1995	Ph.D. in Genetics , advisor: Prof. P. Starlinger
1996 - 1999	Postdoctoral fellow, Laboratory of Prof. Joanne Chory, Salk Institute for Biological Studies, La Jolla
1999- 2000	Postdoctoral fellow in the Laboratory of Prof. W.B. Frommer, ZMBP, University of Tübingen
2001-2007	Independent Group leader at the ZMBP, University of Tübingen
2006	Habilitation and Venia legendi for Plant Physiology, Univ. Tübingen
since 2007	Full Professor ("Developmental Biology of Plants") at the Heidelberg Institute for Plant Sciences, University of Heidelberg

### Selected Awards and Honors

1996 - 1998	Research fellowship of the German Science Foundation
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## **Selected Publications:**

Krebs M, Beyhl D, Gorlich E, Al-Rasheid KA, Marten I, Stierhof YD, Hedrich R, **Schumacher K** (2010) Arabidopsis V-ATPase activity at the tonoplast is required for efficient nutrient storage but not for sodium accumulation. *Proc Natl Acad Sci U S A* **107**(7): 3251-3256

Viotti C, Bubeck J, Stierhof YD, Krebs M, Langhans M, van den Berg W, van Dongen W, Richter S, Geldner N, Takano J, Jurgens G, de Vries SC, Robinson DG, **Schumacher K** (2010) Endocytic and Secretory Traffic in Arabidopsis Merge in the Trans-Golgi Network/Early Endosome, an Independent and Highly Dynamic Organelle. *Plant Cell* **22** (4):1344-1357

Brux A, Liu TY, Krebs M, Stierhof YD, Lohmann JU, Miersch O, Wasternack C, **Schumacher K** (2008) Reduced V-ATPase activity in the trans-Golgi network causes oxylipin-dependent hypocotyl growth Inhibition in Arabidopsis. *Plant Cell* **20**(4): 1088-1100

Dettmer J, Hong-Hermesdorf A, Stierhof YD, **Schumacher K** (2006) Vacuolar H<sup>+</sup>-ATPase activity is required for endocytic and secretory trafficking in Arabidopsis. *Plant Cell* **18**(3): 715-730

Hong-Hermesdorf A, Brux A, Gruber A, Gruber G, **Schumacher K** (2006) A WNK kinase binds and phosphorylates V-ATPase subunit C. *FEBS Lett* **580**(3): 932-939