

E1.5 (P. Nick)

- [E1.5:1] ‡ K. Schwarzerová, J. Petrášek, K.C.S. Panigrahi, S. Zelenková, Z. Opatrný, and P. Nick, *Intranuclear accumulation of plant tubulin in response to low temperature*, *Protoplasma* **227**, 185 (2006)
- [E1.5:2] C. Gutjahr and P. Nick, *Acrylamide inhibits gravitropism and destroys microtubules in rice coleoptiles*, *Protoplasma* **227**, 211 (2006)
- [E1.5:3] P. Nick, *Noise yields Order – Auxin, Actin, and Polar Patterning*, *Plant Biology* **8**, 360 (2006)
- [E1.5:4] ‡ A. Ahad and P. Nick, *Actin-bundling in activation-tagged aluminum-tolerant tobacco mutants*, *Planta* **225**, 451 (2007)
- [E1.5:5] ‡ M. Riemann, C. Gutjahr, A. Korte, M. Riemann, B. Danger, T. Muramatsu, U. Bayer, F. Waller, M. Furuya, and P. Nick, *GDSL MOTIF-CONTAINING RICE ENZYME 1, a novel early light and jasmonate induced gene in rice*, *Plant Biology* **9**, 32 (2007)
- [E1.5:6] J. Maisch and P. Nick, *Actin is involved in auxin-dependent patterning*, *Plant Physiol* **143**, 1695 (2007)
- [E1.5:7] ‡ K. Eggenberger, M. Darbandi, A. Merkoulov, T. Nann, and P. Nick, *Visualization of plant microtubules by direct immunofluorescence based on semiconductor nanocrystals*, *Bioconjugate Chem.* **18**, 1879 (2007)
- [E1.5:8] ‡ A. Hatakeyama, N. Ishii, P. Nick, T. Furukawa, and T. Koshiba, *Analysis of the Localization and Regulation of RSOsPR10 Expression*, *Plant Cell Physiol.* **48**, 361 (2007)
- [E1.5:9] ‡* K. Eggenberger, T. Schröder, E. Birtalan, A. Merkulov, M. Darbandi, T. Nann, S. Bräse, and P. Nick, *The Use of Nanoparticles to Study and Manipulate the Polarity of Plant Cells*, *Eur. J. Cell Biol. (Suppl)* **87**, 62 (2008)
- [E1.5:10] ‡ A. Kuthanová, L. Fischer, P. Nick, and Z. Opatrný, *Cell cycle phase-specific death response of tobacco BY-2 cell line to cadmium treatment*, *Plant Cell Environ.* **31**, 1634 (2008)
- [E1.5:11] P. Nick, *Control of Cell Axis*, *Plant Cell Monogr.* **143**, 3 (2008)
- [E1.5:12] P. Nick, *Microtubules as Sensors for Abiotic Stimuli*, *Plant Cell Monogr.* **143**, 175 (2008)
- [E1.5:13] ‡ A.C. Schmit and P. Nick, *Microtubules and the Evolution of Mitosis*, *Plant Cell Monogr.* **143**, 233 (2008)
- [E1.5:14] P. Nick (editor), *Plant microtubules – Development and Flexibility*. Springer Verlag (2008)
- [E1.5:15] ‡ J. Maisch, J. Fišerová, L. Fischer, and P. Nick, *Tobacco Arp3 is localized to actin-nucleating sites in vivo*, *J. Exp. Bot.* **60**, 603 (2009)
- [E1.5:16] ‡ N. Kusaka, J. Maisch, P. Nick, K.I. Hayashi, and H. Nozaki, *Manipulation of Intercellular Auxin in a Single Cell by Light with Esterase-Resistant Caged Auxins*, *ChemBioChem* **10**, 2195 (2009)
- [E1.5:17] * ‡ K. Eggenberger, T. Schröder, E. Birtalan, S. Bräse, and P. Nick, *Passage of Trojan Peptides into Plant Cells*, *ChemBioChem* **10**, 2504 (2009)
- [E1.5:18] * ‡ P. Nick, M. Han, and G. An, *Auxin stimulates its own transport by actin reorganization*, *Plant Physiol.* **151**, 155 (2009)
- [E1.5:19] Th. Berghöfer, C. Eing, B. Flickinger, P. Hohenberger, L. Wegner, W. Frey, and P. Nick, *Nanosecond electric pulses trigger actin responses in plant cells*, *Biochem. Biophys. Res. Comm.* **387**, 590 (2009)

- [E1.5:20] ‡ F. Qiao, J. Petrášek, and P. Nick, *Light can rescue auxin-dependent synchrony of cell division in a tobacco cell line*, J. Exp. Bot. **61**, 503 (2010)
- [E1.5:21] * ‡ K. Eggenberger, N. Frey, B. Zienicke, J. Siebenbrock, T. Schunck, R. Fischer, S. Bräse, E. Birtalan, T. Nann, and P. Nick, *Use of nanoparticles to study and manipulate plant cells*, Adv. Biomat. **12**, 406 (2010)
- [E1.5:22] * E. Birtalan, K. Eggenberger, P. Nick, and S. Bräse, *Single-Organelle Tracking of Mitochondria in Tobacco Cells Using Trojan Peptoids*, PloS Biology, in press
- [E1.5:23] * ‡ K. Eggenberger, C. Mink, P. Wadhvani, A.S. Ulrich, and P. Nick, *Using the peptide BP100 as a cell penetrating tool for chemical engineering of actin filaments within living plant cells*, ChemBioChem **12**, 132 (2011)