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CLASP modulates microtubule-cortex interaction during self-organization of acentrosomal microtubules. *Molecular Biology of the Cell* 19:4730–4737. 17. Allard, J. F., J. C. Ambrose, G. O. Wasteneys, and E. N. Cytrynbaum, 2010. A mechanochemical model explains interactions between cortical microtubules in plants. *Bio-physical journal* 99:1082–1090. 18. Ambrosetti, A., and A. Malchiodi, 2007. CLASP modulates microtubule-cortex. interaction during self-organization of acentrosomal microtubules. *Mol. Biol. Cell* 19, 4730–4737. doi: 10.1091/mbc.E08-06-0665. Atkinson, S., Kirik, A., and Kirik, V. (2014). Microtubule array reorientation in. response to hormones does not involve changes in microtubule nucleation. the role of microtubule-bound nucleation in the self-organization of the plant. cortical array. *Phys. Biol.* 8, 056002. doi: 10.1088/1478-3975/8/5/056002. Dixit, R., and Cyr, R. (2004). Encounters between dynamic cortical microtubules. Although microtubules are well-conserved across eukaryotic phyla, the organization and function of the microtubule cytoskeleton has evolved in ways that set higher plants apart from other organisms. The mechanisms that underlie these differences are topics of long-standing interest to plant cell biologists. A feature that is a key to microtubule function is their dynamic nature; they usually exist in states of growth or shrinkage. Ambrose JC, Wasteneys GO (2008) CLASP modulates microtubule-cortex interaction during self-organization of acentrosomal microtubules. *Mol Biol Cell* 19:4730–4737PubMedPubMedCentralGoogle Scholar. 10.