

Sources for Lecture/presentations on cell shape change

*- recommended reading

Reviews

* S. Gilroy and D. L. Jones 2000. Through form to function: root hair development and nutrient uptake. *Trends Plant Sci.* 5;56

* M. Tessier-Lavigne and C. S. Goodman 1996. The molecular biology of axon guidance. *Science* 274;1123

W. M. Bement and M. S. Mooseker. 1996. The cytoskeleton of the intestinal epithelium: components, assembly, and dynamic rearrangments

Apical contraction - two classic references

D. R. Burgess 1982. Reactivation of intestinal epithelial cell brush border motility: ATP-dependent contraction via a terminal web contractile ring. *J. Cell. Biol.* 95;853

N. Hirokawa et al. 1983. Mechanism of brush border contractility studied by the quick-freeze, deep-etch method. *J. Cell Biol.* 96;1325

Root hair outgrowth

C. L. Wymer et al. 1997. Cytoplasmic free calcium during the development of root hairs of *Arabidopsis thaliana*. *Plant J.* 12;427

T. N. Bibikova et al. 1999. Microtubules regulate tip growth and orientation in root hairs of *Arabidopsis thaliana*. *Plant J.* 17;657

Neural tube closure

Ybot-Gonzalez and Copp 1999. *Devel. Dynam.* 215;273

Pathfinding

K. Keleman et al 2002. Comm Sorts Robo to Control Axon Guidance at the *Drosophila* Midline. *Cell* 2002 110 (4), p. 415-427

B. Wolf and A Chiba 2000. Axon pathfinding proceeds normally despite disrupted growth cone decisions at CNS midline, *Development.* 127: 2001-2009