

Sources for Lecture/presentation on asymmetric cell division

Short Reviews

- S. Ohno. 2001. Intercellular junctions and cellular polarity: the PAR-aPKC complex, a conserved core cassette playing fundamental roles in cell polarity. *Curr. Op. Cell Biol.* 13;6481-648. (Brand new review itemizing some of the commonalities I was trying to develop between asymmetry and various readouts)
- K. Bloom. 2001. Nuclear migration; cortical anchors for cytoplasmic dynein. *Curr. Biol.* 11;R326-R329
- J. A. Knoblich 1997. Mechanisms of asymmetric cell division during animal development. *Curr. Op. Cell Biol.* 9;833.
- M. S. Rhyu and J. A. Knoblich 1995. Spindle orientation and asymmetric cell fate. *Cell* 82;523
- B. Bowerman and C. A. Shelton. 1999. Cell polarity in the early *Caenorhabditis elegans* embryo. *Curr. Op. Genet. Devel.* 9;390
- K. Bloom and D. L. Beach 1999. mRNA localization: motile RNA, asymmetric anchors. *Curr. Op. Microbiol.* 2;604

If you need more.....

Spindle orientation in the nematode

- N. N. Cheng et al. 1994. Control of cleavage spindle orientation in *Caenorhabditis elegans*: the role of genes *par-2* and *par-3*. *Genetics* 139;549
- J. L. Watts et al. 1996. *par-6*, a gene involved in the establishment of asymmetry in early *C. elegans* embryos, mediates the asymmetric localization of PAR-3. *Development* 122;3133

Spindle orientation and asymmetry in fly neuroblasts

- U. Kuchinke et al. 1998. Control of spindle orientation in *Drosophila* by the Par-3-related PDZ-domain protein Bazooka. *Curr. Biol.* 8;1357
- Wodarz et al. 1999. Bazooka provides an apical cue for Inscuteable localization in *Drosophila* neuroblasts. *Nature* 402;544

- J. Broadus and C. Q. Doe. 1997. Extrinsic cues, intrinsic cues and microfilaments regulate asymmetric protein localization in *Drosophila* neuroblasts. *Curr. Biol.* 7;827
- J. A. Kaltschmidt et al. 2000. Rotation and asymmetry of the mitotic spindle direct asymmetric cell division in the developing central nervous system. *Nature Cell Biol.* 2;7
- D. N. Cox et al. 2001. *Drosophila par-1* is required for oocyte differentiation and microtubule organization. *Current Biology* 11;75-87.
- Y. Bellaïche et al. 2001. Frizzled regulates localization of cell-fate determinants and mitotic spindle rotation during asymmetric cell division. *Nat. Cell. Biol.* 3;50-57.

ASH-1 mRNA transport and anchoring.

- E. Bertrand et al. 1998. Localization of *ASH1* mRNA particles in living yeast. *Molecular Cell* 2;437
- Beach DL et.al. Localization and anchoring of mRNA in budding yeast 1999 *Current Biology* 9:569-578
- R. M. Long et al. 1997 Mating type switching in yeast controlled by asymmetric localization of *ASH1* mRNA. *Science* 277;383