



# CDB SEMINAR

## Mark Peifer

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**Saturday**, September 19, 2009  
13:30~14:30 A7F Seminar Room

## Managing Stem Cells and Modulating Mitosis: Key Roles for Centrosomes and Their Regulation

### Summary

Centrosomes are key organizers of the microtubule cytoskeleton, both during mitosis, when they organize the mitotic spindle, and during interphase. We have used the fruit fly to explore how centrosomes are regulated during normal development, and the impact this has on the cell cycle in neural stem cells. This revealed novel insights into the regulation of the microtubule cytoskeleton during interphase, the regulation of centrosome duplication and the mechanisms of spindle alignment during asymmetric divisions.

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### Host:

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