MCB 230 Reading List: Lectures 1-10

The following are useful reviews or papers containing experiments that were discussed in lecture. **available as PDFs on MCB 230 website: [http://mcb.berkeley.edu/courses/mcb230/](http://mcb.berkeley.edu/courses/mcb230/)

**Lecture 1: Principles of Cytoskeletal Organization**


**Lecture 2: Muscle, Myosin**


**The neck region of the myosin motor domain acts as a lever arm to generate movement.**


**Lecture 3: Actin Dynamics and cell motility**


** Lecture 4: Microtubules dynamics and motor proteins **


** Lecture 5: Spindle Assembly **


**Lecture 6: Anaphase and Cytokinesis**


**Lecture 7: Intermediate filaments, septins and cytoskeletal interactions**


**Lecture 8: Getting into and out of mitosis**


**Lecture 9: G1/S**


Lecture 10: Checkpoints


Great Websites for movies:

Cytoskeleton resource: http://vlib.org/Science/Cell_Biology/cytoskeleton.shtml

Borisy lab: http://www.borisylab.nwu.edu

Vale lab: http://cmp.ucsf.edu/valelab/

Salmon lab: http://www.unc.edu/depts/salmlab/

Theriot lab: http://biochem.stanford.edu/theriot/

The cytokinetic mafia: http://www.unc.edu/depts/salmlab/mafia/

Hyman Lab: http://www.EMBL-Heidelberg.DE/ExternalInfo/hyman/