

MCB 68

Cell Biology

Through the

Microscope

A new hands-on discovery based course, teaching fundamental discoveries in Cell Biology and Neurobiology based on the advances in imaging techniques throughout historyright up to the present.

MCB 68 explores three fundamental fields of eukaryotic cell biology: chromosome segregation, cell motility, and neuroscience. Each topic is approached from a historic and technical perspective. Students will discover these systems as the scientific field did, learning how each successive advance in microscopy revealed new biological details. Students will come away with a theoretical and hands-on understanding of microscopy as well as a grasp of the biological findings each technology revealed.

*Ethan Garner and
Jeff W. Lichtman*

Tues & Thurs
1:00 - 2:30

Prerequisites: MCB 52,
MCB 80, or permission of
the instructors.

Cat Number: 11556

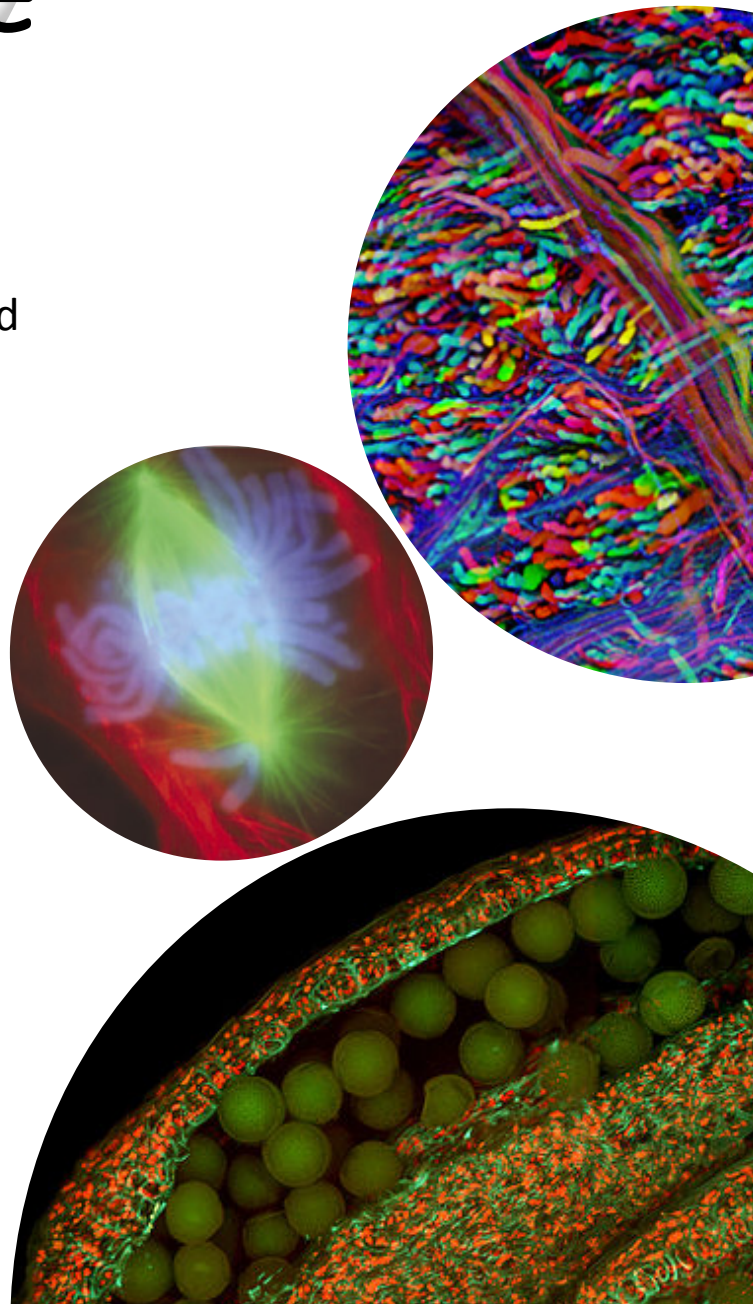


IMAGE CREDITS Left: from Robert Hooke's *Micrographia*. Top right: Liver et al, *Nature* 2007 and Lichtman et al, *Nature Reviews Neuroscience* 2008. Center: NIH, *Wikimedia Commons*. Bottom Right: Heidi Paves, *Wikimedia Commons*.