

BS2040: Cell Dynamics: Division and Movement

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[1]

H. F. Lodish, Molecular Cell Biology, 8th Edition. New York: W.H. Freeman Macmillan Learning, 2016.

[2]

D. O. Morgan, The Cell Cycle: Principles of Control. London: NSP/Oxford University Press, 2007.

[3]

'Current Biology' [Online]. Available:
<http://www.sciencedirect.com/science/journal/09609822>

[4]

'Current Opinion in Cell Biology' [Online]. Available:
<http://www.sciencedirect.com/science/journal/09550674>

[5]

'Nature Reviews Molecular Cell Biology' [Online]. Available:
<http://www.nature.com/nrm/archive/index.html>

[6]

'Trends in Cell Biology' [Online]. Available:

<http://www.sciencedirect.com/science/journal/09628924>

[7]

'The Biomedical & Life Sciences Collection | HS Talks'. [Online]. Available: <https://hstalks.com/biosci/>

[8]

D. Coudreuse and P. Nurse, 'Driving the Cell Cycle With a Minimal CDK Control Network', *Nature*, vol. 468, no. 7327, pp. 1074–1079, 2010, doi: 10.1038/nature09543.

[9]

M. P. Swaffer, A. W. Jones, H. R. Flynn, A. P. Snijders, and P. Nurse, 'CDK Substrate Phosphorylation and Ordering the Cell Cycle', *Cell*, vol. 167, no. 7, pp. 1750–1761, 2016, doi: 10.1016/j.cell.2016.11.034.

[10]

J. T. P. Yeeles, T. D. Deegan, A. Janska, A. Early, and J. F. X. Diffley, 'Regulated Eukaryotic DNA Replication Origin Firing With Purified Proteins', *Nature*, vol. 519, no. 7544, pp. 431–435, 2015, doi: 10.1038/nature14285.

[11]

A. Dinarina et al., 'Chromatin Shapes the Mitotic Spindle', *Cell*, vol. 138, no. 3, pp. 502–513, 2009, doi: 10.1016/j.cell.2009.05.027.

[12]

P. Lénárt et al., 'A Contractile Nuclear Actin Network Drives Chromosome Congression in Oocytes', *Nature*, vol. 436, no. 7052, pp. 812–818, 2005, doi: 10.1038/nature03810.

[13]

J. Borrego-Pinto et al., 'Distinct Mechanisms Eliminate Mother and Daughter Centrioles in

Meiosis of Starfish Oocytes', *The Journal of Cell Biology*, vol. 212, no. 7, pp. 815–827, 2016, doi: 10.1083/jcb.201510083.

[14]

P. Nurse, 'The Great Ideas of Biology | YouTube'. YouTube, 2013 [Online]. Available: <https://www.youtube.com/watch?v=llPMfaz4qnA>

[15]

P. Nurse, 'Kohn Lecture 2010 - Cell Cycle Control | Imperial'. [Online]. Available: <http://wwwf.imperial.ac.uk/imedia/content/view/674/kohn-lecture-2010--cell-cycle-control/>

[16]

C. Wittenberg, 'START Control in Yeast', *The Biomedical & Life Sciences Collection*, 2009 [Online]. Available: <https://hstalks.com/t/1253/start-control-in-yeast/?biosci>

[17]

R. Medema, 'The G2/M Transition', *The Biomedical & Life Sciences Collection*, 2009 [Online]. Available: <https://hstalks.com/t/1268/the-g2m-transition/?biosci>

[18]

J. J. Tyson, K. Chen, and B. Novak, 'Network Dynamics and Cell Physiology', *Nature Reviews Molecular Cell Biology*, vol. 2, no. 12, pp. 908–916, 2001, doi: 10.1038/35103078.

[19]

J. J. Tyson and B. Novak, 'Temporal Organization of the Cell Cycle', *Current Biology*, vol. 18, no. 17, pp. R759–R768, 2008, doi: 10.1016/j.cub.2008.07.001.

[20]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London:

NSP/Oxford University Press, 2007, pp. 248–266.

[21]

D. Coudreuse and P. Nurse, 'Driving the Cell Cycle With a Minimal Cdk Control Network', *Nature*, vol. 468, no. 7327, pp. 1074–1079, 2010, doi: 10.1038/nature09543.

[22]

J. A. Steinkamp, 'Flow Cytometers', in *Encyclopedia of Life Sciences*, Wiley Interscience, 1999 [Online]. Available: <https://onlinelibrary.wiley.com/doi/10.1038/npg.els.0002971>

[23]

S. Tate and P. Ko Ferrigno, 'Cell Cycle: Synchronization at Various Stages', in *Encyclopedia of Life Sciences*, Wiley Interscience, 1999 [Online]. Available: <http://doi.wiley.com/10.1038/npg.els.0002570>

[24]

Z. Darzynkiewicz, 'Cell Cycle Analysis by Flow Cytometry', in *Encyclopedia of Life Sciences*, Wiley Interscience, 1999 [Online]. Available: <http://doi.wiley.com/10.1002/9780470015902.a0002571.pub2>

[25]

S. D. Dyall, M. T. Brown, and P. J. Johnson, 'Ancient Invasions: From Endosymbionts to Organelles', *Science*, vol. 304, no. 5668, 2004 [Online]. Available: <http://www.jstor.org/stable/3836764>

[26]

N. Blackstone, 'The Origin of Eukaryotes', *The Biomedical & Life Sciences Collection*, 2016 [Online]. Available: <https://hstalks.com/t/3246/the-origin-of-eukaryotes/?biosci>

[27]

R. Scarpulla, 'Nuclear Control of Respiratory Chain Expression by Transcriptional Activators and Coactivators | HS Talks', The Biomedical & Life Sciences Collection. HS Talks, 2007 [Online]. Available: <https://hstalks.com/t/163/nuclear-control-of-respiratory-chain-expression-by/?biosci>

[28]

M. T. Waters and J. A. Langdale, 'The Making of a Chloroplast', *The EMBO Journal*, vol. 28, no. 19, pp. 2861–2873, 2009, doi: 10.1038/emboj.2009.264.

[29]

P. Jarvis and E. López-Juez, 'Biogenesis and Homeostasis of Chloroplasts and Other Plastids', *Nature Reviews Molecular Cell Biology*, vol. 14, no. 12, pp. 787–802, 2013, doi: 10.1038/nrm3702.

[30]

J. Blow, 'Replication Licensing | HS Talks', The Biomedical & Life Sciences Collection. HS Talks, 2009 [Online]. Available: <https://hstalks.com/t/1256/replication-licensing/?biosci>

[31]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London: NSP/Oxford University Press, 2007, pp. 248–266.

[32]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London: NSP/Oxford University Press, 2007, pp. 248–266.

[33]

H. F. Lodish, 'Vesicular Traffic, Secretion, and Endocytosis', in *Molecular Cell Biology*, 8th Edition., New York: W.H. Freeman Macmillan Learning, 2016.

[34]

H. F. Lodish, 'Vesicular Traffic, Secretion, and Endocytosis', in *Molecular Cell Biology*, 8th Edition., New York: W.H. Freeman Macmillan Learning, 2016.

[35]

E. Karsenti, 'Bipolar Spindle Assembly | HS Talks', The Biomedical & Life Sciences Collection. HS Talks, 2009 [Online]. Available:
<https://hstalks.com/t/1261/bipolar-spindle-assembly/?biosci>

[36]

D. Koshland, 'Sister Chromatid Cohesion: Simple Concept, Complex Reality | HS Talks', The Biomedical & Life Sciences Collection. HS Talks, 2009 [Online]. Available:
<https://hstalks.com/t/1259/sister-chromatid-cohesion-simple-concept-complex-r/?biosci>

[37]

A. L. Marston and A. Amon, 'Meiosis: Cell-Cycle Controls Shuffle and Deal', *Nature Reviews Molecular Cell Biology*, vol. 5, no. 12, pp. 983–997, 2004, doi: 10.1038/nrm1526.

[38]

E. Karsenti, 'Self-Organization in Cell Biology: A Brief History', *Nature Reviews Molecular Cell Biology*, vol. 9, no. 3, pp. 255–262, 2008, doi: 10.1038/nrm2357.

[39]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London: NSP/Oxford University Press, 2007, pp. 248–266.

[40]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London: NSP/Oxford University Press, 2007, pp. 248–266.

[41]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London:

NSP/Oxford University Press, 2007, pp. 248–266.

[42]

B. Dynlacht, 'The E2F Family and Transcriptional Control of the Mammalian Cell Cycle | HS Talks', The Biomedical & Life Sciences Collection. HS Talks, 2007 [Online]. Available: <https://hstalks.com/t/672/the-e2f-family-and-transcriptional-control-of-the-/?biosci>

[43]

S. van den Heuvel and N. J. Dyson, 'Conserved Functions of the pRB and E2F Families', *Nature Reviews Molecular Cell Biology*, vol. 9, no. 9, pp. 713–724, 2008, doi: 10.1038/nrm2469. [Online]. Available: <https://www.nature.com/articles/nrm2469>

[44]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London: NSP/Oxford University Press, 2007, pp. 248–266.

[45]

D. O. Morgan, 'The Cell Cycle in Cancer', in *The Cell Cycle: Principles of Control*, London: NSP/Oxford University Press, 2007, pp. 248–266.

[46]

H. Horvitz and I. Herskowitz, 'Mechanisms of Asymmetric Cell Division: Two Bs or Not Two Bs, That Is the Question', *Cell*, vol. 68, no. 2, pp. 237–255, 1992.

[47]

J. A. Knoblich, 'Mechanisms of Asymmetric Stem Cell Division', *Cell*, vol. 132, no. 4, pp. 583–597, 2008, doi: 10.1016/j.cell.2008.02.007.

[48]

J. Hayles and P. Nurse, 'A Journey Into Space', *Nature Reviews Molecular Cell Biology*, vol.

2, no. 9, pp. 647–656, 2001, doi: 10.1038/35089520.

[49]

I. De Smet and T. Beeckman, 'Asymmetric Cell Division in Land Plants and Algae: The Driving Force for Differentiation', *Nature Reviews Molecular Cell Biology*, vol. 12, no. 3, pp. 177–188, 2011, doi: 10.1038/nrm3064.