

NS3108: Sensing and Signalling in Biology and Physics

View Online



1

Reece, Jane B., Campbell, Neil A. Biology. 9th ed. Boston: : Pearson Education 2011.
http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5663610340002746&institutionId=2746&customerId=2745

2

Brooker, Robert J. Biology. 2nd ed. New York: : McGraw-Hill Higher Education 2010.

3

Raven, Peter H., Johnson, George B., Mason, Kenneth A., et al. Biology. 10th ed. New York, NY: : McGraw-Hill 2014.

4

Alberts B. Molecular biology of the cell (Sixth Edition). Sixth edition. New York, NY: : Garland Science, Taylor and Francis Group 2015.

5

Lodish, Harvey F. Molecular cell biology. 7th ed. New York: : W.H. Freeman 2013.

6

Cooper, Geoffrey M., Hausman, Robert E. The cell: a molecular approach. 6th ed. Sunderland, Mass: : Sinauer Associates 2013.

7

Berg, Jeremy M., Tymoczko, John L., Stryer, Lubert. Biochemistry. 7th ed. New York: : W. H. Freeman 2011.

<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybyCI6liMvdmlldy9ib29rcy85NzgxMzE5MjQ4MDYyL2VwdWlvT0VCUFMveGh0bWwvYmVyXzk3ODEzMTkxMTQ2NzFfY29udGVudHMuaHRtbCJ9>

8

Nelson, David L., Cox, Michael M., Lehninger, Albert L. Lehninger principles of biochemistry . 6th ed. New York, N.Y.: : W.H. Freeman 2013.

<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybyCI6liMvdmlldy9ib29rcy85NzgxMzE5MTUwODc3L2VwdWlvT0VCUFMveGh0bWwvbmVsXzk3ODE0NjQxODc5NTdfY29udC5odG1sIn0%3D>

9

Murray, Robert K., Harper, Harold A. Harper's illustrated biochemistry. 28th ed. New York, N.Y.: : McGraw-Hill Medical 2009.

<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=4657718>

10

Tipler, Paul A., Mosca, Gene P. Physics for scientists and engineers: with modern physics. 6th ed. New York, NY: : W.H. Freeman 2008.

<https://bibliu.com/app/#/view/books/9781319155988/pdf2html/index.html>

11

Nelson, Philip Charles. Biological physics: energy, information, life. Updated ed. New York: : W.H. Freeman 2008.

12

Lim WA. Designing customized cell signalling circuits. Nature Reviews Molecular Cell Biology 2010;**11**:393–403. doi:10.1038/nrm2904

13

Scott JD, Pawson T. Cell Signaling in Space and Time: Where Proteins Come Together and When They're Apart. *Science* 2009;**326**:1220-4. doi:10.1126/science.1175668

14

Extracellular Signalling.

<http://www.sumanasinc.com/webcontent/animations/content/extracellularsignaling.html>

15

Signaling Pathways: MAPK/Erk in Growth and Differentiation.

http://www.cellsignal.com/reference/pathway/MAPK_ERK_Growth.html

16

Pathway Central: ERK Signaling.

http://www.sabiosciences.com/pathway.php?sn=ERK_Signaling

17

Phase velocity - Wikipedia, the free encyclopedia.

http://en.wikipedia.org/wiki/Phase_velocity

18

Endres, Robert G. *Physical principles in sensing and signaling: with an introduction to modeling in biology*. Oxford: : Oxford University Press 2013.

<http://ezproxy.lib.le.ac.uk/login?url=http://www.mylibrary.com?id=416871>

19

Lim W, Mayer B, Pawson T. *Cell signaling: principles and mechanisms*. New York: : Garland Science 2015.

20

Marks F, Müller-Decker K, Klingmüller U. Cellular signal processing: an introduction to molecular mechanisms of signal transduction. New York: : Garland Science 2009.

21

Liu BA, Engelmann BW, Nash PD. The language of SH2 domain interactions defines phosphotyrosine-mediated signal transduction. FEBS Letters 2012;**586**:2597–605.
doi:10.1016/j.febslet.2012.04.054

22

Calvo F, Agudo-Ibáñez L, Crespo P. The Ras-ERK pathway: Understanding site-specific signaling provides hope of new anti-tumor therapies. BioEssays 2010;**32**:412–21.
doi:10.1002/bies.200900155

23

Lemmon MA, Schlessinger J. Cell Signaling by Receptor Tyrosine Kinases. Cell 2010;**141**:1117–34. doi:10.1016/j.cell.2010.06.011

24

Grant, I.S., & Phillips, W.R. Extracts from Chapter 8 - 8.3 'Impedance and Admittance' to 8.4.1 'Ladder Networks'. In: Electromagnetism. Chichester: : Wiley 1990.
<http://ezproxy.lib.le.ac.uk/login?url=http://lib.mylibrary.com?id=504430>

25

Grant, I.S., & Phillips, W.R. Extract from chapter 9 - Transmissions lines. In: Electromagnetism. Chichester: : Wiley 1990.
<http://ezproxy.lib.le.ac.uk/login?url=http://lib.mylibrary.com?id=504430>