

L3 Biochemistry

Recommended reading for L3 Biochemistry 3A & 3B. BIOL4009 & BIOL4010

View Online



1

Berg JM, Tymoczko JL, Gatto GJ, et al. Biochemistry. Eighth edition. New York, NY: : W.H. Freeman & Company 2015.

2

Alberts B. Molecular biology of the cell. Sixth edition. New York: : Garland Science 2015.

3

Williamson MP. How proteins work. New York, N.Y.: : Garland Science 2012.
<http://ezproxy.lib.gla.ac.uk/login?url=https://www.taylorfrancis.com/books/9780429061844>

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Aitken MRF, Broadhurst B, Hladky SB. Mathematics for biological scientists. New York: : Garland Science 2010.

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Jeremy M Berg. Biochemistry.
2002.<https://www.ncbi.nlm.nih.gov/books/NBK21154/?depth=2>

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Lodish HF. Molecular cell biology. 7th ed., international ed. New York: : W.H. Freeman and

Company 2013.

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Lehninger AL, Nelson DL, Cox MM. Lehninger principles of biochemistry. 6th ed. New York, N.Y.: : W.H. Freeman 2013.

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Mathews CK. Biochemistry. 4th ed. Toronto, Ont: : Pearson 2013.

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Voet D, Voet JG. Biochemistry. 4th ed. Hoboken, N.J.: : John Wiley & Sons, Inc 2011.

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Garrett RH, Grisham CM, Sabat M. Biochemistry. 5th International ed. Australia: : Brooks/Cole Cengage Learning 2013.

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Campbell ID, Askews & Holts Library Services. Biophysical techniques. Oxford: : Oxford University Press 2012.
<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780191666148>

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Gel Electrophoresis. <http://learn.genetics.utah.edu/content/labs/gel/>

13

SDS PAGE. http://www.virtual-labs.leeds.ac.uk/pres/SDS_PAGE/

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Molecular Cloning: Basics and Applications | Protocol.
<https://www.jove.com/science-education/5074/molecular-cloning>

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Price NC, Nairn J. Exploring proteins: a student's guide to experimental skills and methods. Oxford: : Oxford University Press 2009.

16

Course: Group B common material All students 16-17 , Topic: Molecular Genetic Methods Lectures. <http://moodle2.gla.ac.uk/course/view.php?id=9143§ion=2>

17

Course: Group B common material All students 16-17 , Topic: Proteins Lectures. <http://moodle2.gla.ac.uk/course/view.php?id=9143§ion=4>

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Kevin B. Jones: Why curiosity is the key to science and medicine : TED.com : Free Download & Streaming : Internet Archive. https://archive.org/details/KevinJones_2015X

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L3 B CTM Biochem, Genetics & MCB: Gould lectures.
<http://moodle2.gla.ac.uk/mod/folder/view.php?id=122085>

20

Cell Membranes. 8AD.<https://www.youtube.com/watch?v=y31DIJ6uGgE>

21

Cell Membrane Overview - YouTube.
<https://www.youtube.com/playlist?list=PLbKSbFnKYVY3nhcxSp8RFFJK7p4Bur1Nj>

22

Welcome to Kusumi Lab (Kyoto-univ). <http://www.nanobio.frontier.kyoto-u.ac.jp/lab/e.html>

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exocytosis: vesicular transport. 10AD.<https://www.youtube.com/watch?v=2rRN1bKQYxQ>

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Clathrin Mediated Endocytosis by Janet Iwasa and Tom Kirchhausen 2012.
18AD.https://www.youtube.com/watch?v=o_EUHu4OJus

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Clathrin adaptor proteins Top # 14 Facts.
2015.<https://www.youtube.com/watch?v=cwFQNR7T3PU>

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Gould GW, Lippincott-Schwartz J. New roles for endosomes: from vesicular carriers to multi-purpose platforms. *Nature Reviews Molecular Cell Biology* 2009;**10**:287–92.
doi:10.1038/nrm2652

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Tomishige M, Sako Y, Kusumi A. Regulation Mechanism of the Lateral Diffusion of Band 3 in Erythrocyte Membranes by the Membrane Skeleton. *Journal of Cell Biology* 1998;**142**:989–1000. doi:10.1083/jcb.142.4.989

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Introduction to Membrane Transport.
30AD.<https://www.youtube.com/watch?v=veserg9SrtU>

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University of Glasgow - Information for current students - Graduate Attributes.

<http://www.gla.ac.uk/students/attributes/>

30

Informed job searches.

http://www.sciencemag.org/sites/default/files/documents/the_informed_job_search.pdf

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Course: LinkedIn and graduate attributes.

<http://moodle2.gla.ac.uk/course/view.php?id=6149>

32

LifeSkills | Developing work and life skills. <https://www.barclayslifeskills.com/>

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University of Glasgow - Colleges - College of Social Sciences - Information for current students - Employability - Programmes - Graduate Skills Programme (GSP) - Your ePortfolio.

http://www.gla.ac.uk/colleges/socialsciences/students/employability/programmes/gsp/your_eportfolio/

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University of Glasgow - Services A-Z - Careers Service - Applying for work - CVs.

<https://www.gla.ac.uk/myglasgow/careers/cvsandapplications/cvs/>

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University of Glasgow - Services A-Z - Careers Service - Applying for work - Application forms. <https://www.gla.ac.uk/myglasgow/careers/cvsandapplications/applicationforms/>

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Course: Group B common material Biochemistry & MCB only 16-17, Topic: Bioenergetics.

<http://moodle2.gla.ac.uk/course/view.php?id=9144§ion=2>

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Preedy VR, Watson RR. Comprehensive handbook of alcohol related pathology. San Diego, Calif: : Elsevier Academic 2005.

<https://ezproxy.lib.gla.ac.uk/login?url=https://www.sciencedirect.com/science/book/9780125643702>