

L3 Biochemistry

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

View Online



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1.

Berg JM, Tymoczko JL, Gatto GJ, Stryer L. Biochemistry. Eighth edition. W.H. Freeman & Company; 2015.
 2.

Alberts B. Molecular Biology of the Cell. Sixth edition. Garland Science; 2015.
 3.

Williamson MP. How Proteins Work. Garland Science; 2012.
<http://ezproxy.lib.gla.ac.uk/login?url=https://www.taylorfrancis.com/books/9780429061844>
 4.

Aitken MRF, Broadhurst B, Hladky SB. Mathematics for Biological Scientists. Garland Science; 2010.
 5.

Jeremy M Berg. Biochemistry. Published 2002.
<https://www.ncbi.nlm.nih.gov/books/NBK21154/?depth=2>
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Lodish HF. Molecular Cell Biology. 7th ed., international ed. W.H. Freeman and Company; 2013.

7.

Lehninger AL, Nelson DL, Cox MM. Lehninger Principles of Biochemistry. 6th ed. W.H. Freeman; 2013.

8.

Mathews CK. Biochemistry. 4th ed. Pearson; 2013.

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Voet D, Voet JG. Biochemistry. 4th ed. John Wiley & Sons, Inc; 2011.

10.

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

11.

Campbell ID, Askews & Holts Library Services. Biophysical Techniques. Oxford University Press; 2012.

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780191666148>

12.

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

13.

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

14.

Molecular Cloning: Basics and Applications | Protocol.

<https://www.jove.com/science-education/5074/molecular-cloning>

15.

Price NC, Nairn J. Exploring Proteins: A Student's Guide to Experimental Skills and Methods. 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>

18.

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

19.

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

20.

Cell Membranes. Published online 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>

23.

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

24.

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

25.

Clathrin adaptor proteins Top # 14 Facts. Published online 27 October 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(4):287-292. 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(4):989-1000. doi:10.1083/jcb.142.4.989

28.

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

29.

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

31.

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/>

33.

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/

34.

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

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

35.

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

36.

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

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

37.

Preedy VR, Watson RR. Comprehensive Handbook of Alcohol Related Pathology. Elsevier Academic; 2005.

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