

L3 Biochemistry

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

View Online



1.

Berg, J.M., Tymoczko, J.L., Gatto, G.J., Stryer, L.: Biochemistry. W.H. Freeman & Company, New York, NY (2015).

2.

Alberts, B.: Molecular biology of the cell. Garland Science, New York (2015).

3.

Williamson, M.P.: How proteins work. Garland Science, New York, N.Y. (2012).

4.

Aitken, M.R.F., Broadhurst, B., Hladky, S.B.: Mathematics for biological scientists. Garland Science, New York (2010).

5.

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

6.

Lodish, H.F.: Molecular cell biology. W.H. Freeman and Company, New York (2013).

7.

Lehninger, A.L., Nelson, D.L., Cox, M.M.: Lehninger principles of biochemistry. W.H. Freeman, New York, N.Y. (2013).

8.

Mathews, C.K.: Biochemistry. Pearson, Toronto, Ont (2013).

9.

Voet, D., Voet, J.G.: Biochemistry. John Wiley & Sons, Inc, Hoboken, N.J. (2011).

10.

Garrett, R.H., Grisham, C.M., Sabat, M.: Biochemistry. Brooks/Cole Cengage Learning, Australia (2013).

11.

Campbell, I.D., Askews & Holts Library Services: Biophysical techniques. Oxford University Press, Oxford (2012).

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, N.C., Nairn, J.: Exploring proteins: a student's guide to experimental skills and methods. Oxford University Press, Oxford (2009).

16.

Course: Group B common material All students 16-17 , Topic: Molecular Genetic Methods Lectures, <https://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, <https://www.youtube.com/watch?v=y31DIJ6uGgE>, (8) AD.

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, <https://www.youtube.com/watch?v=2rRN1bKQYxQ>, (10) AD.

24.

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

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

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Gould, G.W., Lippincott-Schwartz, J.: New roles for endosomes: from vesicular carriers to multi-purpose platforms. *Nature Reviews Molecular Cell Biology*. 10, 287–292 (2009). <https://doi.org/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*. 142, 989–1000 (1998). <https://doi.org/10.1083/jcb.142.4.989>.

28.

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

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,
<https://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, V.R., Watson, R.R.: Comprehensive handbook of alcohol related pathology. Elsevier

Academic, San Diego, Calif (2005).