

NS3107: Molecular Cell Biology and Nanoscience

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[1]

Reece, Jane B. and Campbell, Neil A., Biology, 9th ed. Boston: Pearson Education, 2011 [Online]. Available: 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., Losos, Jonathan B., and Singer, Susan R., Biology, 10th ed. New York, NY: McGraw-Hill, 2014.

[4]

B. Alberts, 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. and Hausman, Robert E., The cell: a molecular approach, 6th ed. Sunderland, Mass: Sinauer Associates, 2013.

[7]

Berg, Jeremy M., Tymoczko, John L., and Stryer, Lubert, Biochemistry, 7th ed. New York: W. H. Freeman, 2011 [Online]. Available:
<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybyCI6liMvdmlldy9ib29rcy85NzgxMzE5MjQ4MDYyL2VwdWlvT0VCUFMveGh0bWwvYmVyXzk3ODEzMTkxMTQ2NzFfY29udGVudHMuaHRtbCJ9>

[8]

Nelson, David L., Cox, Michael M., and Lehninger, Albert L., Lehninger principles of biochemistry, 6th ed. New York, N.Y.: W.H. Freeman, 2013 [Online]. Available:
<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybyCI6liMvdmlldy9ib29rcy85NzgxMzE5MTUwODc3L2VwdWlvT0VCUFMveGh0bWwvbmVsXzk3ODE0NjQxODc5NTdfY29udC5odG1sIn0%3D>

[9]

Murray, Robert K. and Harper, Harold A., Harper's illustrated biochemistry, 28th ed. New York, N.Y.: McGraw-Hill Medical, 2009 [Online]. Available:
<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=4657718>

[10]

'Immunogold Labelling in Scanning Electron Microscopy'. [Online]. Available:
<http://www.ebsciences.com/papers/immusem.htm>

[11]

'Monoclonal antibodies'. [Online]. Available:
<http://www.sumanasinc.com/webcontent/animations/content/monoclonalantibodies.html>

[12]

'Plasmid Cloning'. [Online]. Available:
<http://www.sumanasinc.com/webcontent/animations/content/plasmidcloning.html>

[13]

'Life Cycle of an mRNA'. [Online]. Available:
<http://www.sumanasinc.com/webcontent/animations/content/lifecyclemrna.html>

[14]

'mRNA Splicing'. [Online]. Available:
<http://www.sumanasinc.com/webcontent/animations/content/mRNAsplicing.html>

[15]

'Translation'. [Online]. Available:
<http://www.sumanasinc.com/webcontent/animations/content/translation.html>

[16]

'Polyribosomes'. [Online]. Available:
<http://www.sumanasinc.com/webcontent/animations/content/polyribosomes.html>

[17]

'Protein Secretion'. [Online]. Available:
<http://www.sumanasinc.com/webcontent/animations/content/proteinsecretionmb.html>

[18]

Tipler, Paul A. and Mosca, Gene P., Physics for scientists and engineers: with modern physics, 6th ed. New York, NY: W.H. Freeman, 2008 [Online]. Available:
<https://bibliu.com/app/#/view/books/9781319155988/pdf2html/index.html>

[19]

P. W. Atkins and J. De Paula, Atkins' physical chemistry, Tenth edition. Oxford, United Kingdom: Oxford University Press, 2014.

[20]

Binns, Christopher, Introduction to nanoscience and nanotechnology, vol. Wiley survival guides in engineering and science. Hoboken, N.J.: Wiley, 2010 [Online]. Available: http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5663768710002746&institutionId=2746&customerId=2745

[21]

Schmid, Günter, Nanoparticles: from theory to application, 2nd ed. revised and Updated. Weinheim: Wiley-VCH, 2010 [Online]. Available: <http://ezproxy.lib.le.ac.uk/login?url=http://www.mylibrary.com?id=278389>

[22]

Patricia Berger, 'Preparation and properties of an aqueous ferrofluid', Journal of Chemical Education, vol. 76, no. 7, Jul. 1999 [Online]. Available: http://gl9sn3dh2u.search.serialssolutions.com/?ctx_ver=Z39.88-2004&ctx_enc=info%253Aofi%252Fenc%253AUTF-8&rft_id=info:sid/summon.serialssolutions.com&rft_val_fmt=info:ofi/fmt:kev:mtx:journal&rft.genre=article&rft.atitle=Preparation+and+properties+of+an+aqueous+ferrofluid&rft.jtitle=Journal+of+Chemical+Education&rft.au=Patricia+Berger&rft.au=Nicholas+B+Adelman&rft.au=Katie+J+Beckman&rft.au=Dean+J+Campbell&rft.date=1999-07-01&rft.pub=American+Chemical+Society&rft.issn=0021-9584&rft.eissn=1938-1328&rft.volume=76&rft.issue=7&rft.spage=943&rft.externalDocID=42639843¶mdict=en-US

[23]

Bruchez, Marcel, 'Semiconductor Nanocrystals as Fluorescent Biological Labels', Science, vol. 281, no. 5385, pp. 2013–2016, Sep. 1998 [Online]. Available: http://gl9sn3dh2u.search.serialssolutions.com/?ctx_ver=Z39.88-2004&ctx_enc=info%253Aofi%252Fenc%253AUTF-8&rft_id=info:sid/summon.serialssolutions.com&rft_val_fmt=info:ofi/fmt:kev:mtx:journal&rft.genre=article&rft.atitle=Semiconductor+Nanocrystals+as+Fluorescent+Biological+Labels&rft.jtitle=Science&rft.au=Bruchez%252C+Marcel&rft.au=Morone%252C+Mario&rft.au=Gin%252C+Peter&rft.au=Weiss%252C+Shimon&rft.date=1998-09-25&rft.pub=American+Association+for+the+Advancement+of+Science&rft.issn=0036-8075&rft.eissn=1095-9203&rft.volume=281&rft.issue=5385&rft.spage=2013&rft.epage=2016&rft.externalDocID=10.2307%252F2895733¶mdict=en-US

[24]

K. K. Jain, 'Nanotechnology in clinical laboratory diagnostics', Clinica Chimica Acta, vol. 358, no. 1–2, pp. 37–54, Aug. 2005, doi: 10.1016/j.cccn.2005.03.014.

[25]

'Medical Histology -- Ultrastructure of the Cell (Electron Micrographs)'. [Online]. Available: http://www.bu.edu/histology/m/t_electr.htm

[26]

'DNA-RNA-Protein'. [Online]. Available: <http://www.nobelprize.org/educational/medicine/dna/index.html>

[27]

'Virtual Cell Animation Collection'. [Online]. Available: <http://vcell.ndsu.nodak.edu/animations/>

[28]

J.-S. Lee, M. S. Han, and C. A. Mirkin, 'Colorimetric Detection of Mercuric Ion (Hg^{2+}) in Aqueous Media using DNA-Functionalized Gold Nanoparticles', *Angewandte Chemie International Edition*, vol. 46, no. 22, pp. 4093–4096, May 2007, doi: 10.1002/anie.200700269.

[29]

M.-C. Daniel and D. Astruc, 'Gold Nanoparticles: Assembly, Supramolecular Chemistry, Quantum-Size-Related Properties, and Applications toward Biology, Catalysis, and Nanotechnology', *Chemical Reviews*, vol. 104, no. 1, pp. 293–346, Jan. 2004, doi: 10.1021/cr030698+.

[30]

R. Shukla et al., 'Laminin receptor specific therapeutic gold nanoparticles (198AuNP-EGCg) show efficacy in treating prostate cancer', *Proceedings of the National Academy of Sciences*, vol. 109, no. 31, pp. 12426–12431, Jul. 2012, doi: 10.1073/pnas.1121174109.