

## NS3106: Evolution

View Online



Alberts, B. (2015). *Molecular biology of the cell* (Sixth edition) (Sixth edition). Garland Science, Taylor and Francis Group.

<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybcI6liMvdmlldy9ib29rcy85NzgwMzkzNTM2OTY2L2VwdWlvRVBVQi9jb250ZW50LzAuMS4wLWNvdmVyLmh0bWwifQ%3D%3D>

Animation High Throughput Sequencing. (n.d.).

<http://www.sumanasinc.com/webcontent/animations/content/highthroughput2.html>

Animation Human genome. (n.d.).

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

Animation Meiosis. (n.d.).

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

Animation Mendel's Law. (n.d.).

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

Animation Mitosis. (n.d.).

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

Animations. (n.d.).

[http://highered.mheducation.com/sites/0072437316/student\\_view0/chapter12/animations.html](http://highered.mheducation.com/sites/0072437316/student_view0/chapter12/animations.html)

Barnosky, A. D., Matzke, N., Tomiya, S., Wogan, G. O. U., Swartz, B., Quental, T. B., Marshall, C., McGuire, J. L., Lindsey, E. L., Maguire, K. C., Mersey, B., & Ferrer, E. A. (2011). Has the Earth's sixth mass extinction already arrived? *Nature*, 471(7336), 51–57. <https://doi.org/10.1038/nature09678>

Barton, Nicholas H. (2007). *Evolution*. Cold Spring Harbor Laboratory Press.

Benton, M. J. & Harper, D. A. T. (2008a). *Introduction to paleobiology and the fossil record*. Wiley.

[http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5662444550002746&institutionId=2746&customerId=2745](http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5662444550002746&institutionId=2746&customerId=2745)

Benton, M. J. & Harper, D. A. T. (2008b). *Introduction to paleobiology and the fossil record*. Wiley. <http://ezproxy.lib.le.ac.uk/login?url=http://www.mylibrary.com?id=200223>

Black, Rhona M. (1988). *The elements of palaeontology* (2nd ed). Cambridge University

Press.

Brooker, Robert J. (2010). *Biology* (2nd ed). McGraw-Hill Higher Education.

Cavalli-Sforza, L. L., & Feldman, M. W. (2003). The application of molecular genetic approaches to the study of human evolution. *Nature Genetics*, 33(3s), 266–275.  
<https://doi.org/10.1038/ng1113>

Clarkson, E. N. K. (1998a). *Invertebrate palaeontology and evolution* (4th ed). Blackwell Science.  
[http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5663334570002746&institutionId=2746&customerId=2745](http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5663334570002746&institutionId=2746&customerId=2745)

Clarkson, E. N. K. (1998b). *Invertebrate palaeontology and evolution* (4th ed). Blackwell Science. <http://ezproxy.lib.le.ac.uk/login?url=http://www.myilibrary.com?id=237162>

'Cycle Sequencing' Biology Animation Library :: DNA Learning Center. (n.d.).  
<http://www.dnalc.org/resources/animations/cycseq.html>

Doebley, J. F., Gaut, B. S., & Smith, B. D. (2006). The Molecular Genetics of Crop Domestication. *Cell*, 127(7), 1309–1321. <https://doi.org/10.1016/j.cell.2006.12.006>

Doebley, J., Stec, A., & Hubbard, L. (1997). The evolution of apical dominance in maize. *Nature*, 386(6624), 485–488. <https://doi.org/10.1038/386485a0>

Doebley, J., Wang, R.-L., Stec, A., Hey, J., & Lukens, L. (1999). The limits of selection during maize domestication. *Nature*, 398(6724), 236–239. <https://doi.org/10.1038/18435>

EDU - Evolution, Ecology and Behavior with Stephen C. Stearns. (n.d.).  
<http://www.youtube.com/course?list=EC6299F3195349CCDA>

Evolution in Action. (n.d.).  
<http://www.sumanasinc.com/webcontent/animations/content/evolution/evolution.html>

Gillespie, J. H. (2004). *Population genetics: a concise guide* (2nd ed). Johns Hopkins University Press.

Green, R. E., Krause, J., Briggs, A. W., Maricic, T., Stenzel, U., Kircher, M., Patterson, N., Li, H., Zhai, W., Fritz, M. H. Y., Hansen, N. F., Durand, E. Y., Malaspinas, A. S., Jensen, J. D., Marques-Bonet, T., Alkan, C., Prufer, K., Meyer, M., Burbano, H. A., ... Mullikin, J. C. (2010). A Draft Sequence of the Neandertal Genome. *Science*, 328(5979), 710–722.  
<https://doi.org/10.1126/science.1188021>

Hammer, M. F. (2013). Human Hybrids. *Scientific American*, 308(5), 66–71.  
<https://doi.org/10.1038/scientificamerican0513-66>

Introduction: Human Evolution - life - 04 September 2006 - New Scientist. (n.d.).  
<http://www.newscientist.com/article/dn9990-introduction-human-evolution.html?full=true#.VCAnI7d0yHA>

Introduction to Evolution and Natural Selection. (21 C.E.).  
<http://www.youtube.com/watch?v=GcjjWov7mTM>

Jobling, M. A. (2013). *Human evolutionary genetics* (2nd edition). Garland Science. <https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=5842987>

Jones, Steve, Martin, Robert, & Pilbeam, David. (1992). *The Cambridge encyclopedia of human evolution*. Cambridge University Press.

Marciniak, S., Klunk, J., Devault, A., Enk, J., & Poinar, H. N. (2015). Ancient human genomics: the methodology behind reconstructing evolutionary pathways. *Journal of Human Evolution*, 79, 21–34. <https://doi.org/10.1016/j.jhevol.2014.11.003>

McCormick, T., & Fortey, R. A. (2002). The Ordovician Trilobite Carolinites, A Test Case for Microevolution in A Macrofossil Lineage. *Palaeontology*, 45(2), 229–257. <https://doi.org/10.1111/1475-4983.00235>

Nicholas P. Sille, Margaret E. Collinson, Michal Kucera and Jerry J. Hooker. (2006). Morphological Evolution of Stratiotes through the Paleogene in England: An Example of Microevolution in Flowering Plants. *PALAIOS*, 21(3), 272–288. <http://www.jstor.org/stable/20172995>

Niedźwiedzki, G., Szrek, P., Narkiewicz, K., Narkiewicz, M., & Ahlberg, P. E. (2010). Tetrapod trackways from the early Middle Devonian period of Poland. *Nature*, 463(7277), 43–48. <https://doi.org/10.1038/nature08623>

Origins of Us - Bones. (n.d.). <http://bobnational.net/record/73222>

Origins of Us - Brains. (n.d.). <http://bobnational.net/record/75171>

Origins of Us - Guts. (n.d.). <http://bobnational.net/record/74385>

Patterns of inheritance — University of Leicester. (n.d.). <http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/inheritancepatterns>

Phylogenetic Trees and Monophyletic Groups | Learn Science at Scitable. (n.d.). <http://www.nature.com/scitable/topicpage/reading-a-phylogenetic-tree-the-meaning-of-41956>

Population genetics — University of Leicester. (n.d.). <http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/population-genetics>

Prüfer, K., Racimo, F., Patterson, N., Jay, F., Sankararaman, S., Sawyer, S., Heinze, A., Renaud, G., Sudmant, P. H., de Filippo, C., Li, H., Mallick, S., Dannemann, M., Fu, Q., Kircher, M., Kuhlwilm, M., Lachmann, M., Meyer, M., Ongyerth, M., ... Pääbo, S. (2013). The complete genome sequence of a Neanderthal from the Altai Mountains. *Nature*, 505(7481), 43–49. <https://doi.org/10.1038/nature12886>

Prum, O Richard. (2003). Which came first, the feather or the bird? *Scientific American*, 288(3). <https://doi.org/10.1038/12616863>

Raven, Peter H., Johnson, George B., Mason, Kenneth A., Losos, Jonathan B., & Singer, Susan R. (2013). *Biology* (10th ed). McGraw-Hill.

- Reece, Jane B. & Campbell, Neil A. (2011). *Biology* (9th ed). Pearson Education.  
[http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package\\_service\\_id=5663539150002746&institutionId=2746&customerId=2745](http://le.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5663539150002746&institutionId=2746&customerId=2745)
- Ridley, M. (2004). *Evolution* (3rd ed). Blackwell.  
<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=428065>
- Ridley, Mark. (2004). *Evolution* (3rd ed). Blackwell.  
<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=428065>
- Sanger method of DNA sequencing, 3D animation with narration :: DNA Learning Center. (n.d.).  
<http://www.dnalc.org/view/15479-Sanger-method-of-DNA-sequencing-3D-animation-with-narration.html>
- Shubin, N. H., Daeschler, E. B., & Jenkins, F. A. (2006). The pectoral fin of *Tiktaalik roseae* and the origin of the tetrapod limb. *Nature*, 440(7085), 764–771.  
<https://doi.org/10.1038/nature04637>
- Stearns, S. C. & Hoekstra, Rolf. (2005). *Evolution: an introduction* (2nd ed). Oxford University Press.
- Stoneking, M., & Krause, J. (2011). Learning about human population history from ancient and modern genomes. *Nature Reviews Genetics*, 12(9), 603–614.  
<https://doi.org/10.1038/nrg3029>
- The cell cycle, mitosis and meiosis — University of Leicester. (n.d.).  
<http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/cellcycle-mitosis-meiosis/the-cell-cycle-mitosis-and-meiosis>
- The Power of Comparative Genomics. (4 C.E.).  
<http://www.youtube.com/watch?v=mU9ROpm6d70&feature=autoplay&list=PLE040E80C872E47CF&playnext=1>
- Trait Evolution on a Phylogenetic Tree | Learn Science at Scitable. (n.d.).  
<http://www.nature.com/scitable/topicpage/trait-evolution-on-a-phylogenetic-tree-relatedness-41936>
- Veeramah, K. R., & Hammer, M. F. (2014). The impact of whole-genome sequencing on the reconstruction of human population history. *Nature Reviews Genetics*, 15(3), 149–162.  
<https://doi.org/10.1038/nrg3625>
- Vollbrecht, E., Springer, P. S., Goh, L., Buckler IV, E. S., & Martienssen, R. (2005). Architecture of floral branch systems in maize and related grasses. *Nature*, 436(7054), 1119–1126. <https://doi.org/10.1038/nature03892>
- Wake, D. B., & Vredenburg, V. T. (2008). Colloquium Paper: Are we in the midst of the sixth mass extinction? A view from the world of amphibians. *Proceedings of the National Academy of Sciences*, 105(Supplement 1), 11466–11473.  
<https://doi.org/10.1073/pnas.0801921105>

Wang, H., Nussbaum-Wagler, T., Li, B., Zhao, Q., Vigouroux, Y., Faller, M., Bomblies, K., Lukens, L., & Doebley, J. F. (2005). The origin of the naked grains of maize. *Nature*, 436 (7051), 714–719. <https://doi.org/10.1038/nature03863>

Zeigler, D. (2014). *Evolution: components and mechanisms*. Academic Press. <https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=1675861>