

# NS3106: Evolution

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1. Reece, Jane B., Campbell, Neil A. Biology [Internet]. 9th ed. Boston: Pearson Education; 2011. Available from:  
[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)
  
  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., Singer, Susan R. Biology. 10th ed. New York, NY: McGraw-Hill; 2013.
  
  4. Zeigler D. Evolution: components and mechanisms [Internet]. Amsterdam: Academic Press; 2014. Available from:  
<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=1675861>
  
  5. Barton, Nicholas H. Evolution. Cold Spring Harbor, N.Y.: Cold Spring Harbor Laboratory Press; 2007.
  
  - 6.

Stearns, S. C., Hoekstra, Rolf. Evolution: an introduction. 2nd ed. Oxford: Oxford University Press; 2005.

7.

Ridley, Mark. Evolution [Internet]. 3rd ed. Oxford: Blackwell; 2004. Available from:  
<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=428065>

8.

Ridley M. Evolution [Internet]. 3rd ed. Oxford: Blackwell; 2004. Available from:  
<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=428065>

9.

Alberts B. Molecular biology of the cell (Sixth edition) [Internet]. Sixth edition. New York, NY: Garland Science, Taylor and Francis Group; 2015. Available from:  
<https://bibliu.com/users/saml/samlLeicester?RelayState=eyJjdXN0b21fbGF1bmNoX3VybCI6IiMvdmlldy9ib29rcy85NzgwMzkzNTM2OTY2L2VwdWlvRVBVQi9jb250ZW50LzAuMS4wLWNvdmVyLmh0bWwifQ%3D%3D>

10.

Benton, M. J., Harper, D. A. T. Introduction to paleobiology and the fossil record [Internet]. Hoboken, NJ: Wiley; 2008. Available from:  
[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)

11.

Benton, M. J., Harper, D. A. T. Introduction to paleobiology and the fossil record [Internet]. Hoboken, NJ: Wiley; 2008. Available from:  
<http://ezproxy.lib.le.ac.uk/login?url=http://www.myilibrary.com?id=200223>

12.

Black, Rhona M. The elements of palaeontology. 2nd ed. Cambridge: Cambridge University Press; 1988.

13.

Clarkson, E. N. K. Invertebrate palaeontology and evolution [Internet]. 4th ed. Oxford: Blackwell Science; 1998. Available from:  
[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)

14.

Clarkson, E. N. K. Invertebrate palaeontology and evolution [Internet]. 4th ed. Oxford: Blackwell Science; 1998. Available from:  
<http://ezproxy.lib.le.ac.uk/login?url=http://www.myilibrary.com?id=237162>

15.

Jones, Steve, Martin, Robert, Pilbeam, David. The Cambridge encyclopedia of human evolution. Cambridge: Cambridge University Press; 1992.

16.

Jobling MA. Human evolutionary genetics [Internet]. 2nd edition. New York, N.Y.: Garland Science; 2013. Available from:  
<https://ebookcentral.proquest.com/lib/leicester/detail.action?docID=5842987>

17.

Barnosky AD, Matzke N, Tomiya S, Wogan GOU, Swartz B, Quental TB, et al. Has the Earth's sixth mass extinction already arrived? Nature. 2011 Mar 3;471(7336):51–7.

18.

Prum, O Richard. Which came first, the feather or the bird? Scientific American [Internet]. 2003 Mar 1;288(3). Available from:  
<http://www.nature.com/scientificamerican/journal/v288/n3/pdf/scientificamerican0303-84.pdf>

19.

Niedźwiedzki G, Szrek P, Narkiewicz K, Narkiewicz M, Ahlberg PE. Tetrapod trackways from the early Middle Devonian period of Poland. Nature. 2010 Jan 7;463(7277):43–8.

20.

Shubin NH, Daeschler EB, Jenkins FA. The pectoral fin of *Tiktaalik roseae* and the origin of the tetrapod limb. *Nature*. 2006 Apr 6;440(7085):764-71.

21.

Green RE, Krause J, Briggs AW, Maricic T, Stenzel U, Kircher M, et al. A Draft Sequence of the Neandertal Genome. *Science*. 2010 May 7;328(5979):710-22.

22.

Introduction to Evolution and Natural Selection [Internet]. 21AD. Available from:  
<http://www.youtube.com/watch?v=GcjgWov7mTM>

23.

Evolution in Action [Internet]. Available from:  
<http://www.sumanasinc.com/webcontent/animations/content/evolution/evolution.html>

24.

The cell cycle, mitosis and meiosis — University of Leicester [Internet]. Available from:  
<http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/cellcycle-mitosis-meiosis/the-cell-cycle-mitosis-and-meiosis>

25.

Patterns of inheritance — University of Leicester [Internet]. Available from:  
<http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/inheritancepatterns>

26.

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

27.

Animation Mitosis [Internet]. Available from:  
<http://www.sumanasinc.com/webcontent/animations/content/mitosis.html>

28.

Animation Meiosis [Internet]. Available from:  
<http://www.sumanasinc.com/webcontent/animations/content/meiosis.html>

29.

Animation Mendel's Law [Internet]. Available from:  
<http://www.sumanasinc.com/webcontent/animations/content/mendelindassort.html>

30.

Population genetics — University of Leicester [Internet]. Available from:  
<http://www2.le.ac.uk/departments/genetics/vgec/schoolscolleges/topics/population-genetics>

31.

Phylogenetic Trees and Monophyletic Groups | Learn Science at Scitable [Internet]. Available from:  
<http://www.nature.com/scitable/topicpage/reading-a-phylogenetic-tree-the-meaning-of-41956>

32.

Trait Evolution on a Phylogenetic Tree | Learn Science at Scitable [Internet]. Available from:  
<http://www.nature.com/scitable/topicpage/trait-evolution-on-a-phylogenetic-tree-relatedness-41936>

33.

Introduction: Human Evolution - life - 04 September 2006 - New Scientist [Internet].

Available from:

<http://www.newscientist.com/article/dn9990-introduction-human-evolution.html?full=true#.VCAnI7d0yHA>

34.

Animation Human genome [Internet]. Available from:

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

35.

Sanger method of DNA sequencing, 3D animation with narration :: DNA Learning Center [Internet]. Available from:

<http://www.dnalc.org/view/15479-Sanger-method-of-DNA-sequencing-3D-animation-with-narration.html>

36.

'Cycle Sequencing' Biology Animation Library :: DNA Learning Center [Internet]. Available from: <http://www.dnalc.org/resources/animations/cycseq.html>

37.

Animation Hlgh Throughput Sequencing [Internet]. Available from:

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

38.

The Power of Comparative Genomics [Internet]. 4AD. Available from:

<http://www.youtube.com/watch?v=mU9ROpm6d70&feature=autoplay&list=PLE040E80C872E47CF&playnext=1>

39.

Stoneking M, Krause J. Learning about human population history from ancient and modern genomes. *Nature Reviews Genetics*. 2011 Aug 18;12(9):603-14.

40.

Prüfer K, Racimo F, Patterson N, Jay F, Sankararaman S, Sawyer S, et al. The complete genome sequence of a Neanderthal from the Altai Mountains. *Nature*. 2013 Dec 18;505(7481):43–9.

41.

Veeramah KR, Hammer MF. The impact of whole-genome sequencing on the reconstruction of human population history. *Nature Reviews Genetics*. 2014 Feb 4;15(3):149–62.

42.

Doebley J, Stec A, Hubbard L. The evolution of apical dominance in maize. *Nature*. 1997 Apr 3;386(6624):485–8.

43.

Doebley JF, Gaut BS, Smith BD. The Molecular Genetics of Crop Domestication. *Cell*. 2006 Dec 29;127(7):1309–21.

44.

Vollbrecht E, Springer PS, Goh L, Buckler IV ES, Martienssen R. Architecture of floral branch systems in maize and related grasses. *Nature*. 2005 Aug 25;436(7054):1119–26.

45.

Doebley J, Wang RL, Stec A, Hey J, Lukens L. The limits of selection during maize domestication. *Nature*. 1999 Mar 18;398(6724):236–9.

46.

Wang H, Nussbaum-Wagler T, Li B, Zhao Q, Vigouroux Y, Faller M, et al. The origin of the naked grains of maize. *Nature*. 2005 Aug 4;436(7051):714–9.

47.

Gillespie JH. Population genetics: a concise guide. 2nd ed. Baltimore, Md: Johns Hopkins

University Press; 2004.

48.

McCormick T, Fortey RA. The Ordovician Trilobite Carolinates, A Test Case for Microevolution in A Macrofossil Lineage. *Palaeontology*. 2002 Mar;45(2):229–57.

49.

Nicholas P. Sille, Margaret E. Collinson, Michal Kucera and Jerry J. Hooker. Morphological Evolution of Stratiotetes through the Paleogene in England: An Example of Microevolution in Flowering Plants. *PALAIOS* [Internet]. 2006;21(3):272–88. Available from: <http://www.jstor.org/stable/20172995>

50.

Wake DB, Vredenburg VT. 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*. 2008 Aug 12;105(Supplement 1):11466–73.

51.

Cavalli-Sforza LL, Feldman MW. The application of molecular genetic approaches to the study of human evolution. *Nature Genetics*. 2003 Mar;33(3s):266–75.

52.

Marciniak S, Klunk J, Devault A, Enk J, Poinar HN. Ancient human genomics: the methodology behind reconstructing evolutionary pathways. *Journal of Human Evolution*. 2015 Feb;79:21–34.

53.

Hammer MF. Human Hybrids. *Scientific American*. 2013 Apr 16;308(5):66–71.

54.

EDU - Evolution, Ecology and Behavior with Stephen C. Stearns [Internet]. Available from:

<http://www.youtube.com/course?list=EC6299F3195349CCDA>

55.

Origins of Us - Bones [Internet]. Available from: <http://bobnational.net/record/73222>

56.

Origins of Us - Guts [Internet]. Available from: <http://bobnational.net/record/74385>

57.

Origins of Us - Brains [Internet]. Available from: <http://bobnational.net/record/75171>