

# BTEC101

BTEC101 reading list

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Alper, J. 2003. 'BIOTECHNOLOGY: Hatching the Golden Egg: A New Way to Make Drugs'. Science 300 (5620): 729–30. <https://doi.org/10.1126/science.300.5620.729>.

'An Egg-Cellent Idea - Biotech Primer WEEKLY %Biologic Drugs in Eggs'. n.d. [https://weekly.biotechprimer.com/an-egg-cellent-idea/?utm\\_campaign=TheWEEKLY%20Campaign&utm\\_source=hs\\_email&utm\\_medium=email&utm\\_content=69882234&utm\\_hseenc=p2ANqtz--8Ly5EZmNLZ1sV5yjcEWt\\_HEB6WZQECYrJE5Iau7qoA49pMT-7Ar-XH1a2x7mdPmd39a8heyu9ALPrTwTREj0\\_RjQsSg&hs\\_mi=69882234](https://weekly.biotechprimer.com/an-egg-cellent-idea/?utm_campaign=TheWEEKLY%20Campaign&utm_source=hs_email&utm_medium=email&utm_content=69882234&utm_hseenc=p2ANqtz--8Ly5EZmNLZ1sV5yjcEWt_HEB6WZQECYrJE5Iau7qoA49pMT-7Ar-XH1a2x7mdPmd39a8heyu9ALPrTwTREj0_RjQsSg&hs_mi=69882234).

'BBC NEWS | Science/Nature | "Pharmed" Goats Seek Drug Licence'. n.d. <http://news.bbc.co.uk/2/hi/science/nature/4740230.stm>.

'Biotechnology for Sustainability - Seed Biotechnology Center'. n.d. [http://sbc.ucdavis.edu/Outreach\\_and\\_Public\\_Service/Biotechnology\\_for\\_Sustainability/](http://sbc.ucdavis.edu/Outreach_and_Public_Service/Biotechnology_for_Sustainability/).

'Blue White Screen - Wikipedia'. n.d. [https://en.wikipedia.org/wiki/Blue\\_white\\_screen](https://en.wikipedia.org/wiki/Blue_white_screen).

Carmina, Enrico ; Orio, Francesco ; Palomba, Stefano ; Longo, Rosa A. ; Lombardi, Gaetano ; Lobo, Rogerio A. 2005. 'Ovarian Size and Blood Flow in Women with Polycystic Ovary Syndrome and Their Correlations with Endocrine Parameters'. Fertility and Sterility 84 (2): 413–19. <https://doi.org/10.1016/j.fertnstert.2004.12.061>.

'Chargaff's Ratio | HHMI BioInteractive'. n.d. <http://www.hhmi.org/biointeractive/chargaffs-ratio>.

'Codon Usage Bias - Wikipedia'. n.d. [https://en.wikipedia.org/wiki/Codon\\_usage\\_bias](https://en.wikipedia.org/wiki/Codon_usage_bias).

Couzin-Frankel, Jennifer. 2013. 'Reproductive Biology. Faulty DNA Repair Linked to Ovarian Aging in Mice and Humans.' Science (New York, N.Y.) 339 (6121). <https://doi.org/10.1126/science.339.6121.749>.

'Directed Evolution — Science Learning Hub'. n.d. <https://www.sciencelearn.org.nz/videos/803-directed-evolution>.

'DNA Replication (Basic Detail) | HHMI BioInteractive'. n.d. <http://www.hhmi.org/biointeractive/dna-replication-basic-detail>.

'DNA Transcription (Basic Detail) | HHMI BioInteractive'. n.d. <http://www.hhmi.org/biointeractive/dna-transcription-basic-detail>.

'Downloads | Agricultural Biotechnology: Informing the Dialogue'. n.d.

[http://blogs.cornell.edu/gmodialogue/downloads/.](http://blogs.cornell.edu/gmodialogue/downloads/)

Ekart, J. ; Hutton, J.D. ; Mcnatty, K.P. ; Coetzee, K. ; Pitman, J.L. 2012. 'The Use of Cumulus Cell (CC) mRNA Levels to Predict Blastocyst Development and Live Birth Outcomes in Women Undergoing Intracytoplasmic Sperm Injection (ICSI) and Single Embryo Transfer'. *Fertility and Sterility* 98 (3): S17–18. <https://doi.org/10.1016/j.fertnstert.2012.07.064>.

Ekart, J ; Mcnatty, K ; Hutton, J ; Pitman, J. 2013a. 'Ranking and Selection of MII Oocytes in Human ICSI Cycles Using Gene Expression Levels from Associated Cumulus Cells'. *Human Reproduction* 28 (11): 2930–42. <https://doi.org/10.1093/humrep/det357>.

———. 2013b. 'Ranking and Selection of MII Oocytes in Human ICSI Cycles Using Gene Expression Levels from Associated Cumulus Cells'. *Human Reproduction* 28 (11): 2930–42. <https://doi.org/10.1093/humrep/det357>.

Franks, Stephen. 1995. 'Polycystic Ovary Syndrome'. *New England Journal of Medicine* 333 (13): 853–61. <https://doi.org/10.1056/NEJM199509283331307>.

Gardner, David K ; Lane, Michelle ; Stevens, John ; Schoolcraft, William B. 2001. 'Noninvasive Assessment of Human Embryo Nutrient Consumption as a Measure of Developmental Potential'. *Fertility and Sterility* 76 (6): 1175–80. [https://doi.org/10.1016/S0015-0282\(01\)02888-6](https://doi.org/10.1016/S0015-0282(01)02888-6).

'Gel Electrophoresis: Loading and Running the Gel — Science Learning Hub'. n.d. <https://www.sciencelearn.org.nz/videos/1270-gel-electrophoresis-loading-and-running-the-gel>.

'Genetic Engineering | HHMI BioInteractive'. n.d. <http://www.hhmi.org/biointeractive/genetic-engineering>.

'Golden Rice - Wikipedia'. n.d. [https://en.wikipedia.org/wiki/Golden\\_rice](https://en.wikipedia.org/wiki/Golden_rice).

'Golden Rice Creator Wants to Live to See It Save Lives | New Scientist'. n.d. <https://www.newscientist.com/article/dn24417-golden-rice-creator-wants-to-live-to-see-it-save-lives/>.

'Griffith's Experiment - Wikipedia'. n.d. [https://en.wikipedia.org/wiki/Griffith%27s\\_experiment](https://en.wikipedia.org/wiki/Griffith%27s_experiment).

Håkonsen, Linn Berger ; Thulstrup, Ane Marie ; Aggerholm, Anette Skærbech ; Olsen, Jørn ; Bonde, Jens Peter ; Andersen, Claus Yding ; Bungum, Mona ; Ernst, Emil Hagen ; Hansen, Mette Lausten ; Ernst, Erik Hagen ; Ramlau-Hansen, Cecilia Høst. 2011. 'Does Weight Loss Improve Semen Quality and Reproductive Hormones? Results from a Cohort of Severely Obese Men'. *Reproductive Health* 8: 24–24. <https://doi.org/10.1186/1742-4755-8-24>.

Hardy, K, C Wright, S Rice, M Tachataki, R Roberts, D Morgan, S Spanos, and D Taylor. 2002. 'Future Developments in Assisted Reproduction in Humans'. *Reproduction* 123 (2): 171–83. <https://doi.org/10.1530/rep.0.1230171>.

'Hottest Life-Form Found: Microbe Thrives When Boiling'. n.d. [http://news.nationalgeographic.com/news/2004/05/0521\\_040521\\_extremeheat.html](http://news.nationalgeographic.com/news/2004/05/0521_040521_extremeheat.html).

'Human Assisted Reproductive Technology Act 2004'. n.d.  
<http://www.legislation.govt.nz/act/public/2004/0092/latest/whole.html>.

Inhorn, Marcia C; Patrizio, Pasquale. 2015. 'Infertility around the Globe: New Thinking on Gender, Reproductive Technologies and Global Movements in the 21st Century'. *Human Reproduction Update* 21 (4): 411–26. <https://doi.org/10.1093/humupd/dmv016>.

Janet Rossant. 2016. 'Human Embryology: Implantation Barrier Overcome'. *Nature* 533 (7602). <https://doi.org/10.1038/nature17894>.

'Life Story Double Helix / BBC ; a BBC-TV Production in Association with the Arts and Entertainment Network ; Produced and Directed by Mick Jackson ; [Written by William Nicholson]. - 64VUW'. n.d.  
[https://tewharaoa.victoria.ac.nz/discovery/fulldisplay?docid=alma9910975144002386&amp;context=L&amp;vid=64VUW\\_INST:VUWNUI&amp;search\\_scope=MyInst\\_and\\_CI&amp;tab=all&amp;lang=en](https://tewharaoa.victoria.ac.nz/discovery/fulldisplay?docid=alma9910975144002386&amp;context=L&amp;vid=64VUW_INST:VUWNUI&amp;search_scope=MyInst_and_CI&amp;tab=all&amp;lang=en).

Mascarenhas, Maya N ; Flaxman, Seth R ; Boerma, Ties ; Vanderpoel, Sheryl ; Stevens, Gretchen A. 2012. 'National, Regional, and Global Trends in Infertility Prevalence Since 1990: A Systematic Analysis of 277 Health Surveys (Infertility Trends since 1990)'. *National, Regional, and Global Trends in Infertility Prevalence Since 1990: A Systematic Analysis of 277 Health Surveys (Infertility Trends since 1990)* 9 (12).  
<https://doi.org/10.1371/journal.pmed.1001356>.

Michael K. Skinner. 2010. 'Metabolic Disorders: Fathers' Nutritional Legacy'. *Nature* 467 (7318). <https://doi.org/10.1038/467922a>.

'Nature'. n.d. <http://www.nature.com/nature/dna50/archive.html>.

'Plant and Soil Sciences eLibrary'. n.d.  
<http://croptechology.unl.edu/pages/index.php?allanim=1>.

'Polymerase Chain Reaction | HHMI BioInteractive'. n.d.  
<http://www.hhmi.org/biointeractive/polymerase-chain-reaction>.

'Polymerase Chain Reaction (PCR) — Science Learning Hub'. n.d.  
<https://www.sciencelearn.org.nz/resources/2347-what-is-pcr>.

“Polymerase Chain Reaction (PCR)” Biology Animation Library :: DNA Learning Center'. n.d. <https://dnalc.cshl.edu/view/17044-Polymerase-chain-reaction-PCR-.html>.

Ravitsky, Vardit. n.d. 'The Right to Know Ones Genetic Origins and Cross-Border Medically Assisted Reproduction'. *Israel Journal of Health Policy Research* 6: 17–22.  
[https://search.proquest.com/docview/1865490124/rfr\\_id=info%3Axri%2Fsid%3Aprimo](https://search.proquest.com/docview/1865490124/rfr_id=info%3Axri%2Fsid%3Aprimo).

Salama, Mahmoud, Vladimir Isachenko, Evgenia Isachenko, Gohar Rahimi, Peter Mallmann, Lynn M. Westphal, Marcia C. Inhorn, and Pasquale Patrizio. 2018. 'Cross Border Reproductive Care (CBRC): A Growing Global Phenomenon with Multidimensional Implications (a Systematic and Critical Review)'. *Journal of Assisted Reproduction and Genetics* 35 (7): 1277–88. <https://doi.org/10.1007/s10815-018-1181-x>.

Shahbazi, Marta ; Jedrusik, Agnieszka ; Vuoristo, Sanna ; Recher, Gaelle ; Hupalowska,

Anna ; Bolton, Virginia ; Fogarty, Norah M ; Campbell, Alison ; Devito, Liani ; Ilic, Dusko ; Khalaf, Yakoub ; Niakan, Kathy ; Fishel, Simon ; Zernicka-Goetz, Magdalena. 2016. 'Self-Organization of the Human Embryo in the Absence of Maternal Tissues'. *Nature Cell Biology* 18 (6): 700–708. <https://doi.org/10.1038/ncb3347>.

Shalev, Carmel, Adi Moreno, Hedva Eyal, Michal Leibel, Rhona Schuz, and Talia Eldar-Geva. 2016. 'Ethics and Regulation of Inter-Country Medically Assisted Reproduction: A Call for Action'. *Israel Journal of Health Policy Research* 5 (1).  
<https://doi.org/10.1186/s13584-016-0117-0>.

Sheau-Fang Ng ; Ruby C. Y. Lin ; D. Ross Laybutt ; Romain Barres ; Julie A. Owens ; Margaret J. Morris. 2010. 'Chronic High-Fat Diet in Fathers Programs β-Cell Dysfunction in Female Rat Offspring'. *Nature* 467 (7318). <https://doi.org/10.1038/nature09491>.

Shine, Rebecca ; Peek, John ; Birdsall, Mary. 2008. 'Declining Sperm Quality in New Zealand over 20 Years'. *New Zealand Medical Journal* 121 (1287): 50–56.  
[http://tewaharoa.victoria.ac.nz/primo\\_library/libweb/action/display.do?frbrVersion=3&tabs=viewOnlineTab&ct=display&fn=search&doc=TN\\_scopus2-s2.0-58849131849&recldxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=3&frbg=&dscnt=0&scp.scps=scope%3A%28JNZS\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28Exams\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28NZJIR\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28researcharchive\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28NZREF\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28AJL\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28LEW\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28KOTARE\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%28NZAROE\\_vuw\\_ac\\_nz%29%29%2Cscope%3A%2864VUW%29%29%2Cprimo\\_central\\_multiple\\_fe&tb=t&vl\(547469497UI0\)=any&vid=VUW&mode=Basic&srt=rank&tab=all&dum=true&vl\(freeText0\)=Declining%20sperm%20quality%20in%20New%20Zealand%20over%2020%20years&tmp=1496292674972](http://tewaharoa.victoria.ac.nz/primo_library/libweb/action/display.do?frbrVersion=3&tabs=viewOnlineTab&ct=display&fn=search&doc=TN_scopus2-s2.0-58849131849&recldxs=0&elementId=0&renderMode=poppedOut&displayMode=full&frbrVersion=3&frbg=&dscnt=0&scp.scps=scope%3A%28JNZS_vuw_ac_nz%29%2Cscope%3A%28Exams_vuw_ac_nz%29%2Cscope%3A%28NZJIR_vuw_ac_nz%29%2Cscope%3A%28researcharchive_vuw_ac_nz%29%2Cscope%3A%28NZREF_vuw_ac_nz%29%2Cscope%3A%28AJL_vuw_ac_nz%29%2Cscope%3A%28LEW_vuw_ac_nz%29%2Cscope%3A%28KOTARE_vuw_ac_nz%29%2Cscope%3A%28NZAROE_vuw_ac_nz%29%2Cscope%3A%2864VUW%29%2Cprimo_central_multiple_fe&tb=t&vl(547469497UI0)=any&vid=VUW&mode=Basic&srt=rank&tab=all&dum=true&vl(freeText0)=Declining%20sperm%20quality%20in%20New%20Zealand%20over%2020%20years&tmp=1496292674972).

'The Deadly Opposition to GM Food - Science | Stuff.Co.Nz'. n.d.  
<http://www.stuff.co.nz/science/8329192/The-deadly-opposition-to-GM-food>.

'The Rosalind Franklin Papers: The DNA Riddle: King's College, London, 1951-1953'. n.d.  
<https://profiles.nlm.nih.gov/ps/retrieve/Narrative/KR/p-nid/187>.

'The Treatment - The New Yorker'. n.d.  
<http://www.newyorker.com/magazine/2010/05/17/the-treatment-2>.

'This Rice Could Save a Million Kids a Year - TIME'. n.d.  
<http://content.time.com/time/magazine/article/0,9171,997586,00.html>.

Titus, Shiny ; Li, Fang ; Stobezki, Robert ; Akula, Komala ; Unsal, Evrim ; Jeong, Kyungah ; Moy, Fred ; Goswami, Sumanta ; Oktay, Kutluk ; Titus, Shiny ; Li, Fang ; Stobezki, Robert ; Akula, Komala ; Unsal, Evrim ; Jeong, Kyungah ; Moy, Fred ; Goswami, Sumanta ; Oktay, Kutluk ; Unsal, Evrim ; Dickler, Maura ; Robson, Mark ; Moy, Fred ; Goswami, Sumanta. 2013. 'Impairment of BRCA1-Related DNA Double-Strand Break Repair Leads to Ovarian Aging in Mice and Humans'. *Science Translational Medicine* 5 (172).  
<https://doi.org/10.1126/scitranslmed.3004925>.

'Transgenic Cows – Introduction — Science Learning Hub'. n.d.  
<https://www.sciencelearn.org.nz/resources/834-transgenic-cows-introduction>.

'Translation (Basic Detail) | HHMI's BioInteractive'. n.d.  
<http://www.hhmi.org/biointeractive/translation-basic-detail>.

'Watson Constructing Base Pair Models | HHMI BioInteractive'. n.d.  
<http://www.hhmi.org/biointeractive/watson-constructing-base-pair-models>.