

Heimildaskrá

- Alberts, B. (1994). *Molecular biology of the cell* (3rd ed.). New York: Garland Publishing Inc.
- Amit, M., Shariki, C., Margulets, V., & Itskovitz-Eldor, J. (2004). Feeder layer- and serum-free culture of human embryonic stem cells. *Biology of reproduction*, 70(3), 837-845.
- Bjornson, C. R., Rietze, R. L., Reynolds, B. A., Magli, M. C., & Vescovi, A. L. (1999). Turning brain into blood: A hematopoietic fate adopted by adult neural stem cells in vivo. *Science (New York, N.Y.)*, 283(5401), 534-537.
- Bodine, D. M., Seidel, N. E., & Orlic, D. (1996). Bone marrow collected 14 days after in vivo administration of granulocyte colony-stimulating factor and stem cell factor to mice has 10-fold more repopulating ability than untreated bone marrow. *Blood*, 88(1), 89-97.
- Bosco, D., & Meda, P. (1997). Reconstructing islet function in vitro. *Advances in Experimental Medicine and Biology*, 426, 285-298.
- Brazelton, T. R., Rossi, F. M., Keshet, G. I., & Blau, H. M. (2000). From marrow to brain: Expression of neuronal phenotypes in adult mice. *Science (New York, N.Y.)*, 290(5497), 1775-1779.
- Buitrago, W., & Roop, D. R. (2007). Oct-4: The almighty POUripotent regulator? *The Journal of investigative dermatology*, 127(2), 260-262.

Bulic-Jakus, F., Ulamec, M., Vlahovic, M., Sincic, N., Katusic, A., Juric-Lekc, G., et al. (2006).

Of mice and men: Teratomas and teratocarcinomas. *Collegium antropologicum*, 30(4), 921-924.

Campbell, K. H., McWhir, J., Ritchie, W. A., & Wilmut, I. (1996). Sheep cloned by nuclear transfer from a cultured cell line. *Nature*, 380(6569), 64-66.

Chang, A. I., & Appasani, K. (2006). Stem cells & regenerative medicine: From molecular embryology to tissue engineering and therapeutics. *Regenerative medicine*, 1(3), 385-392.

Cho, H. J., Lee, J., Wecker, A., & Yoon, Y. S. (2006). Bone marrow-derived stem cell therapy in ischemic heart disease. *Regenerative medicine*, 1(3), 337-345.

Clevers, H. (2005). Stem cells, asymmetric division and cancer. *Nature genetics*, 37(10), 1027-1028.

Daar, A. S., & Sheremeta, L. (2003). The science of stem cells: Ethical, legal and social issues. *Experimental and clinical transplantation : official journal of the Middle East Society for Organ Transplantation*, 1(2), 139-146.

Dabby, R., Lange, D. J., Trojaborg, W., Hays, A. P., Lovelace, R. E., Brannagan, T. H., et al. (2001). Inclusion body myositis mimicking motor neuron disease. *Archives of Neurology*, 58(8), 1253-1256.

De Semir, D., Nosrati, M., Li, S., & Kashani-Sabet, M. (2007). Telomerase: Going beyond the ends. *Cell cycle (Georgetown, Tex.),* 6(5), 546-549.

Docherty, K. (2001). Growth and development of the islets of langerhans: Implications for the treatment of diabetes mellitus. *Current opinion in pharmacology,* 1(6), 641-650.

Flóki Guðmundsson & Trausti Óskarsson. (2003). Notkun stofnfrumna úr fósturvísum til lækninga. Siðfræðileg álitamál. *Læknablaðið*, 89, 321-25.

Frank, M. J. (2005). Dynamic dopamine modulation in the basal ganglia: A neurocomputational account of cognitive deficits in medicated and nonmedicated parkinsonism. *Journal of cognitive neuroscience,* 17(1), 51-72.

Fuchs, E., & Raghavan, S. (2002). Getting under the skin of epidermal morphogenesis. *Nature reviews.Genetics,* 3(3), 199-209.

Grundvallarsamningar Evrópuráðsins.[http://utn.stjr.is/media/Utgafa/safn_evropusam sótt 19.04.07]

Gudjonsson, T., Villadsen, R., Nielsen, H. L., Ronnov-Jessen, L., Bissell, M. J., & Petersen, O. W. (2002). Isolation, immortalization, and characterization of a human breast epithelial cell line with stem cell properties. *Genes & development,* 16(6), 693-706.

Guðrún Valdimarsdóttir (2007, apríl). Sameindaerfðafræði HA. Stofnfrumur úr fósturvísum. Fyrirlestur fluttur í Háskólanum á Akureyri.

- Hall, V. J., Stojkovic, P., & Stojkovic, M. (2006). Using therapeutic cloning to fight human disease: A conundrum or reality? *Stem cells (Dayton, Ohio)*, 24(7), 1628-1637.
- Hiyama, E., & Hiyama, K. (2007). Telomere and telomerase in stem cells. *British journal of cancer*, 96(7), 1020-1024.
- Hori, J., Ng, T. F., Shatos, M., Klassen, H., Streilein, J. W., & Young, M. J. (2003). Neural progenitor cells lack immunogenicity and resist destruction as allografts. *Stem cells (Dayton, Ohio)*, 21(4), 405-416.
- Hsu, Y. C., Lee, D. C., & Chiu, I. M. (2007). Neural stem cells, neural progenitors, and neurotrophic factors. *Cell transplantation*, 16(2), 133-150.
- Skyler, J.S. (2007). Cellurlar therapy for type 1 diabetes. *The journal o fthe amerian medical association*, 297, 1599-1600.
- James, D., Levine, A. J., Besser, D., & Hemmati-Brivanlou, A. (2005). TGFbeta/activin/nodal signaling is necessary for the maintenance of pluripotency in human embryonic stem cells. *Development (Cambridge, England)*, 132(6), 1273-1282.
- Jones, P. H., & Watt, F. M. (1993). Separation of human epidermal stem cells from transit amplifying cells on the basis of differences in integrin function and expression. *Cell*, 73(4), 713-724.

Knowles, L. P. (2004). A regulatory patchwork--human ES cell research oversight. *Nature biotechnology*, 22(2), 157-163.

Korbling, M., Katz, R. L., Khanna, A., Ruifrok, A. C., Rondon, G., Albitar, M., et al. (2002).

Hepatocytes and epithelial cells of donor origin in recipients of peripheral-blood stem cells. *The New England journal of medicine*, 346(10), 738-746.

Krause, D. S., Theise, N. D., Collector, M. I., Henegariu, O., Hwang, S., Gardner, R., et al. (2001). Multi-organ, multi-lineage engraftment by a single bone marrow-derived stem cell. *Cell*, 105(3), 369-377.

Kucia, M., & Ratajczak, M. Z. (2006). Stem cells as a two edged sword - from regeneration to tumor formation. *Journal of physiology and pharmacology : an official journal of the Polish Physiological Society*, 57 Suppl 7, 5-16.

Lumelsky, N., Blondel, O., Laeng, P., Velasco, I., Ravin, R., & and McKay, R. (2001). Differentiation of embryonic StemCells to insulin-secreting structures similiar to pancreatic islets. 292, 1389-1394.

Lög um tæknifrjóvgun nr. 55/1996
:

Masunaga, A., Nakamura, H., Katata, T., Furubayashi, T., Kanayama, Y., Yamada, A., et al. (1997). Follicular dendritic cell tumor with histiocytic characteristics and fibroblastic antigen. *Pathology international*, 47(10), 707-712.

Morasso, M. I., & Tomic-Canic, M. (2005). Epidermal stem cells: The cradle of epidermal determination, differentiation and wound healing. *Biology of the cell / under the auspices of the European Cell Biology Organization*, 97(3), 173-183.

Morris, R. J., Liu, Y., Marles, L., Yang, Z., Trempus, C., Li, S., et al. (2004). Capturing and profiling adult hair follicle stem cells. *Nature biotechnology*, 22(4), 411-417.

Ogawa, M., Tajima, F., Ito, T., Sato, T., Laver, J. H., & Deguchi, T. (2001). CD34 expression by murine hematopoietic stem cells. developmental changes and kinetic alterations. *Annals of the New York Academy of Sciences*, 938, 139-145.

Ólafur Eysteinn Sigurjónsson (2005). *The Differentiation Potential of Human Somatic Stem Cells*. Óbirt doktorsritgerð: Háskólinn í Oslo, Læknadeild.

Pagano, S. F., Impagnatiello, F., Girelli, M., Cova, L., Grioni, E., Onofri, M., et al. (2000). Isolation and characterization of neural stem cells from the adult human olfactory bulb. *Stem cells (Dayton, Ohio)*, 18(4), 295-300.

Priller, J. (2003). Robert feulgen prize lecture. grenzganger: Adult bone marrow cells populate the brain. *Histochemistry and cell biology*, 120(2), 85-91.

Rocha, V., Wagner, J. E., Jr, Sobocinski, K. A., Klein, J. P., Zhang, M. J., Horowitz, M. M., et al. (2000). Graft-versus-host disease in children who have received a cord-blood or bone marrow transplant from an HLA-identical sibling. eurocord and international bone marrow

- transplant registry working committee on alternative donor and stem cell sources. *The New England journal of medicine*, 342(25), 1846-1854.
- Rother, K. I. (2007). Diabetes treatment--bridging the divide. *The New England journal of medicine*, 356(15), 1499-1501.
- Sadler, T. W. (Ed.). (1995). *Langman's medical embryology* (7th ed.). USA: Williams & Wilkins.
- Sajic, S., Necic, S., Jesic, M., & Bojic, V. (2004). New aspects of etiopathogenesis and clinical characteristics of diabetes mellitus type 1 in children. [Noviji pogled na etiopatogenezu i klinicke odlike dijabetesa tip 1 u detinjsvu] *Srpski arhiv za celokupno lekarstvo*, 132 Suppl 1, 128-133.
- Shapiro, A. M., Lakey, J. R., Ryan, E. A., Korbutt, G. S., Toth, E., Warnock, G. L., et al. (2000). Islet transplantation in seven patients with type 1 diabetes mellitus using a glucocorticoid-free immunosuppressive regimen. *The New England journal of medicine*, 343(4), 230-238.
- Shihabuddin, L. S., Horner, P. J., Ray, J., & Gage, F. H. (2000). Adult spinal cord stem cells generate neurons after transplantation in the adult dentate gyrus. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 20(23), 8727-8735.
- Silva, J., Chambers, I., Pollard, S., & Smith, A. (2006). Nanog promotes transfer of pluripotency after cell fusion. *Nature*, 441(7096), 997-1001.

Simerly, C., Navara, C., Hyun, S. H., Lee, B. C., Kang, S. K., Capuano, S., et al. (2004).

Embryogenesis and blastocyst development after somatic cell nuclear transfer in nonhuman primates: Overcoming defects caused by meiotic spindle extraction. *Developmental biology*, 276(2), 237-252.

Stojkovic, M., Stojkovic, P., Leary, C., Hall, V. J., Armstrong, L., Herbert, M., et al. (2005).

Derivation of a human blastocyst after heterologous nuclear transfer to donated oocytes. *Reproductive biomedicine online*, 11(2), 226-231.

Strauer, B. E., Brehm, M., Zeus, T., Kostering, M., Hernandez, A., Sorg, R. V., et al. (2002).

Repair of infarcted myocardium by autologous intracoronary mononuclear bone marrow cell transplantation in humans. *Circulation*, 106(15), 1913-1918.

Sumi, S., Gu, Y., Hiura, A., & Inoue, K. (2004). Stem cells and regenerative medicine for diabetes mellitus. *Pancreas*, 29(3), e85-9.

Takagi, Y., Takahashi, J., Saiki, H., Morizane, A., Hayashi, T., Kishi, Y., et al. (2005). Dopaminergic neurons generated from monkey embryonic stem cells function in a parkinson primate model. *The Journal of clinical investigation*, 115(1), 102-109.

Takahashi, K., & Yamanaka, S. (2006). Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. *Cell*, 126(4), 663-676.

Talbot, K. (2002). Motor neurone disease. *Postgraduate medical journal*, 78(923), 513-519.

Talbot, K., & Davies, K. E. (2001). Spinal muscular atrophy. *Seminars in neurology*, 21(2), 189-197.

Thomson, J. A., Itskovitz-Eldor, J., Shapiro, S. S., Waknitz, M. A., Swiergiel, J. J., Marshall, V. S., et al. (1998). Embryonic stem cell lines derived from human blastocysts. *Science (New York, N.Y.)*, 282(5391), 1145-1147.

Tomic-Canic, M., Komine, M., Freedberg, I. M., & Blumenberg, M. (1998). Epidermal signal transduction and transcription factor activation in activated keratinocytes. *Journal of dermatological science*, 17(3), 167-181.

Tribe, L. (1990). In W.W (Ed.), *Abortion: The clash of the absolutes*. New York: Norton and Company.

Trivedi, H. L. (2007). Immunobiology of rejection and adaptation. *Transplantation proceedings*, 39(3), 647-652.

Urbanek, K., Torella, D., Sheikh, F., De Angelis, A., Nurzynska, D., Silvestri, F., et al. (2005). Myocardial regeneration by activation of multipotent cardiac stem cells in ischemic heart failure. *Proceedings of the National Academy of Sciences of the United States of America*, 102(24), 8692-8697.

Villadsen, R., Fridriksdottir, A. J., Ronnov-Jessen, L., Gudjonsson, T., Rank, F., LaBarge, M. A., et al. (2007). Evidence for a stem cell hierarchy in the adult human breast. *The Journal of cell biology*, 177(1), 87-101.

Weimann, J. M., Charlton, C. A., Brazelton, T. R., Hackman, R. C., & Blau, H. M. (2003). Contribution of transplanted bone marrow cells to purkinje neurons in human adult brains. *Proceedings of the National Academy of Sciences of the United States of America*, 100(4), 2088-2093.

Yoshioka, T., Ageyama, N., Shibata, H., Yasu, T., Misawa, Y., Takeuchi, K., et al. (2005).

Repair of infarcted myocardium mediated by transplanted bone marrow-derived CD34+ stem cells in a nonhuman primate model. *Stem cells (Dayton, Ohio)*, 23(3), 355-364.

Pórarinn Guðjónsson (2005). Stofnfrumurannsóknir og vefjalækningar: staða mála á Íslandi [<http://www.hi.is/Apps/WebObjects/Hi.Woa/wa/dp?detail=1004111&name=pistlr> sótt 16.02.07]

Pórarinn Guðjónsson, & Eiríkur Steingrímsson, . (2003). Eiginleikar stofnfrumna: Frumusérhæfing og ný meðferðarúrræði? [Eiginleikar stofnfrumna: frumusérhæfing og ný meðferðarúrræði?] *Læknablaðið*, 89, 45-48.