Matlab Practical 2

Jia Le, Lim $\,$ CID: 00865029

- 1 Precise Adaptation in Bacterial Chemotaxis
- 2 Introduction
- 3 Introduction

References

- Abràmoff, M. D., Magalhães, P. J. and Ram, S. J. (2004). Image processing with imageJ.
- Arpornmaeklong, P., Brown, S. E., Wang, Z. and Krebsbach, P. H. (2009). Phenotypic characterization, osteoblastic differentiation, and bone regeneration capacity of human embryonic stem cell-derived mesenchymal stem cells. Stem Cells Dev. 18, 955–968.
- Bianco, P., Robey, P. G. and Simmons, P. J. (2008). Mesenchymal Stem Cells: Revisiting History, Concepts, and Assays. Cell Stem Cell 2, 313–319.
- Burroughs, J., Gupta, P., Blazar, B. R. and Verfaillie, C. M. (1994). Diffusible factors from the murine cell line M2-10B4 support human in vitro hematopoiesis. Experimental Hematology 22, 1095–1101.
- Castrén, E., Sillat, T., Oja, S., Noro, A., Laitinen, A., Konttinen, Y. T., Lehenkari, P., Hukkanen, M. and Korhonen, M. (2015). Osteogenic differentiation of mesenchymal stromal cells in two-dimensional and three-dimensional cultures without animal serum. Stem cell research & therapy 6, 167.
- Fei, Y., Xiao, L., Doetschman, T., Coffin, D. J. and Hurley, M. M. (2011). Fibroblast growth factor 2 stimulation of osteoblast differentiation and bone formation is mediated by modulation of the Wnt signaling pathway. The Journal of biological chemistry 286, 40575–83.
- Hankemeier, S., Keus, M., Zeichen, J., Jagodzinski, M., Barkhausen, T., Bosch, U., Krettek, C. and Van Griensven, M. (2005). Modulation of proliferation and differentiation of human bone marrow stromal cells by fibroblast growth factor 2: potential implications for tissue engineering of tendons and ligaments. Tissue engineering 11, 41–49.
- Kanczler, J. M., Sura, H. S., Magnay, J., Green, D., Oreffo, R. O. C., Dobson, J. P. and El Haj, A. J. (2010). Controlled differentiation of human bone marrow stromal cells using magnetic nanoparticle technology. Tissue engineering. Part A 16, 3241–50.
- Kolf, C. M., Cho, E. and Tuan, R. S. (2007). Mesenchymal stromal cells. Biology of adult mesenchymal stem cells: regulation of niche, self-renewal and differentiation. Arthritis research & therapy 9, 204.
- Langenbach, F. and Handschel, J. (2013). Effects of dexamethasone, ascorbic acid and β glycerophosphate on the osteogenic differentiation of stem cells in vitro. Stem Cell Research and
 Therapy 4.
- Otsuka, E., Yamaguchi, A., Hirose, S. and Hagiwara, H. (1999). Characterization of osteoblastic differentiation of stromal cell line ST2 that is induced by ascorbic acid. Am J Physiol Cell Physiol 277, C132–138.

- Polini, A., Pisignano, D., Parodi, M., Quarto, R. and Scaglione, S. (2011). Osteoinduction of human mesenchymal stem cells by bioactive composite scaffolds without supplemental osteogenic growth factors. PLoS ONE 6.
- Sabokbar, A., Millett, P. J., Myer, B. and Rushton, N. (1994). A rapid, quantitative assay for measuring alkaline phosphatase activity in osteoblastic cells in vitro. Bone and mineral 27, 57–67.
- Singh, S., Ghode, S., Devi, M. R., Limaye, L. and Kale, V. (2015). Phenotypic and functional characterization of a marrow-derived stromal cell line, M210B4 and its comparison with primary marrow stromal cells. Biomed Res J. 2, 120–133.