



Technological advancements in image processing and analysis for label-free investigations of bone marrow stromal cell behavior

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THIS DOCUMENT ACCOMPANIES THE FOLLOWING PUBLICATION

[1] D. A. Rennerfeldt and K. J. Van Vliet, "Concise Review: When Colonies Are Not Clones: Evidence and Implications of Intracolony Heterogeneity in Mesenchymal Stem Cells," *Stem Cells*, vol. 34, no. 5, pp. 1135–1141, 2016. [2] D. A. Rennerfeldt, J. S. Raminhos, S. M. Leff, and P. Manning, "Emergent heterogeneity in putative mesenchymal stem cell colonies: single-cell time lapsed analysis," (in *Rev. PLOS ONE*), 2019. [3] D. A. Rennerfeldt, M. J. Whitfield, P. Manning, and K. J. Van Vliet. GitHub Repository. "time_lapse_image_analysis_PLOS_ONE," 2019. DOI: 10.5281/zenodo.2551721 [4] D. A. Rennerfeldt et al., "Single-cell RNA sequencing of putative mesenchymal stem cells reveals multiple distinct phenotypes within colonies and populations," (in *Preparation*), 2019.



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