

Jan 30, 2019

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



📖 [PLOS One](#)

DOI

[dx.doi.org/10.17504/protocols.io.w2sfgee](https://dx.doi.org/10.17504/protocols.io.w2sfgee)

Deena A Rennerfeldt<sup>1</sup>, Pristinavae Manning<sup>1</sup>, Joana S. Raminhos<sup>2</sup>, Krystyn J. Van Vliet<sup>1</sup>

<sup>1</sup>Massachusetts Institute of Technology; <sup>2</sup>New University of Lisbon



**Deena A Rennerfeldt**

Massachusetts Institute of Technology

OPEN ACCESS



**DOI:** [dx.doi.org/10.17504/protocols.io.w2sfgee](https://dx.doi.org/10.17504/protocols.io.w2sfgee)

**External link:** <https://doi.org/10.1371/journal.pone.0213452>

**Document Citation:** Deena A Rennerfeldt, Pristinavae Manning, Joana S. Raminhos, Krystyn J. Van Vliet 2019. Technological advancements in image processing and analysis for label-free investigations of bone marrow stromal cell behavior. **protocols.io** <https://dx.doi.org/10.17504/protocols.io.w2sfgee>

**Manuscript citation:**

D.A. Rennerfeldt, P. Manning, J.S. Raminhos, and K.J. Van Vliet. "Technological advancements in image processing and analysis for label-free investigations of bone marrow stromal cell behavior." protocols.io. 2019. DOI: dx.doi.org/10.17504/protocols.io.w2sfgee

**License:** This is an open access document distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

**Created:** January 13, 2019

**Last Modified:** January 30, 2019

**Document Integer ID:** 19250

**Keywords:** image analysis, time lapse, bone marrow stromal cells, mesenchymal stem cells, stem cell therapies, image processing, bioinformatics

## Attachments



Rennerfeldt\_et\_al\_im...

2.2MB

