



A postdoctoral position is available in the Biophotonics Lab of the Dept of Physics & Astronomy (<https://my.vanderbilt.edu/shanehutson/lab/>) to investigate how biomechanics and biochemical signaling coordinate to regulate biological tissue repair. The postdoctoral research will focus on cellular responses to laser-induced micro-wounds – from calcium signals that begin in milliseconds and are then sustained for hours to downstream cellular behaviors including cytoskeletal restructuring, force generation, cell motility, cell division and cell fusion. This research will be conducted in a rich interdisciplinary collaboration of physicists, engineers and cell biologists.

Strong candidates should have or expect to soon have a PhD in physics, biophysics, biomedical engineering or a related discipline with a strong technical background, good communication skills and high motivation to work in an interdisciplinary environment. Prior experience with pulsed lasers, confocal and lattice-light sheet microscopy, image analysis, and/or computational modeling are desirable.

The Hutson lab and Vanderbilt University are committed to providing mentorship to help postdoctoral fellows build professional networks, improve their grant writing and lab management skills, and develop independent research careers.

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Interested applicants should email Dr. Shane Hutson ([shane.hutson@vanderbilt.edu](mailto:shane.hutson@vanderbilt.edu)) with a subject line “Postdoctoral position in the Hutson lab” and the following attachments:

- a short cover letter describing how this position fits with your career goals;
- a full curriculum vitae;
- a 1- to 2-page synopsis of your past research accomplishments and research interests; and
- contact information for at least two references.

The position is available immediately and will remain open until filled.