

## Postdoctoral Fellow in BME-Optical Imaging Clemson University

Direct Link: <https://www.AcademicKeys.com/r?job=230972>

Downloaded On: May. 8, 2024 8:55am

Posted Feb. 19, 2024, set to expire Jun. 18, 2024

**Job Title** Postdoctoral Fellow in BME-Optical Imaging

**Department** CU-MUSC Bioengineering

<https://www.clemson.edu/cecas/departments/bioe/about/cumusc.html>

**Institution** Clemson University

Charleston, South Carolina

**Date Posted** Feb. 19, 2024

**Application** Mar. 31, 2024

**Deadline**

**Position Start Date** May 1, 2024

**Job Categories** Post-Doc

**Academic Field(s)** Mechanical Engineering

Electrical and/or Electronics

Bioengineering (all Bio-related fields)

**Job Website** <https://cecas.clemson.edu/nfil/>

**Apply By Email** [ye7@clemson.edu](mailto:ye7@clemson.edu)

### Job Description

Postdoctoral Fellow – Biomedical Engineering

Nano- and Functional Imaging Laboratory (NFIL) at Clemson University has an immediate opening for a postdoctoral fellow position. This position will be fully supported by the newly established [ADAPT-SC](#), a Clemson University-led AI institute funded by NSF. NFIL is dedicated to developing novel imaging devices and biomedical applications with a strong focus on applying optical microscopy to orthopedic-related research and clinical applications. The emerging scholar will take advantage of both AI and Orthopedic Initiatives at Clemson and will be mentored by a group of established faculty members

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working in related fields. Nurturing future academic imaging scientists and engineers will be emphasized in the mentorship. This position is affiliated with the CU-MUSC Bioengineering Program located in Charleston, SC.

This position will primarily focus on developing and applying various microscopy imaging techniques, including, but not limited to, multi-photon, multi-harmonics, and light-sheet microscopy, to understand cartilage degeneration and to develop strategies to delay or prevent the degeneration process.

### **Qualifications and experiences:**

Motivated scholars with enthusiasm for applying optical microscopy to orthopedic research are highly encouraged to apply. An applicant must have a PhD in at least one of the following areas: Biomedical Engineering, Optical Engineering, Electrical Engineering, Mechanical Engineering, Orthopedics research, or relevant fields. Experience building multi-photon imaging systems and deep learning image processing is a plus.

### **Application Instructions:**

To apply, please email a copy of your CV with three reference contacts and a cover letter describing your research experience and career goals to Dr. Tong Ye at [ye7@clemson.edu](mailto:ye7@clemson.edu).

Review of applications will begin immediately and continue until the position is filled.

Please visit our website for more information regarding the lab and CU-MUSC program

<https://www.clemson.edu/cecas/departments/bioe/about/cumusc.html>

<https://www.clemson.edu/cecas/departments/bioe/people/directory/ye.html>

### **EEO/AA Policy**

Clemson University is an AA/EEO employer and does not discriminate against any person or group on the basis of age, color, disability, gender, pregnancy, national origin, race, religion, sexual orientation, veteran status, or genetic information. Clemson University is building a culturally diverse faculty and staff committed to working in a multicultural environment and encourages applications from minorities and women.

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### Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

**Contact**    Tong Ye  
CU-MUSC Bioengineering  
Clemson University  
68 President Street, MSC 501  
Charleston, SC 29425