Postdoctoral Researcher in Computational Biomechanics
Stevens Institute of Technology

Job Title	Postdoctoral Researcher in Computational Biomechanics
Department	Mechanical Engineering https://www.stevens.edu/schaefer-school-engineering-science/departments/mechanical-engineering
Institution	Stevens Institute of Technology Hoboken, New Jersey
Date Posted	Nov. 16, 2018
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Post-Doc
Academic Field(s)	Mechanical Engineering Bioengineering (all Bio-related fields)
Job Website	http://www.weickenmeierlab.com
Apply By Email	info@weickenmeierlab.com

Job Description

The Weickenmeier Lab is offering one POSTDOC position in COMPUTATIONAL BIOMECHANICS. Successful applicants are expected to participate in a rigorous research program on topics such as constitutive and multi-field modeling, continuum field theories, numerical implementation of numerical methods, and medical image analysis.

RESEARCH
Our work focuses on developing computational tools to study complex biological systems such as skin and brain. We integrate mechanics, biology, and biophysics to understand their relation in explaining function and form of the healthy and pathological behavior of organs.

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The successful applicant will contribute to ongoing research on:
- Modeling of the mechano-bio-chemical mechanisms in neurodegenerative diseases
- Simulation of brain tissue changes during the life cycle
- Understanding cortical folding during the early weeks of gestation

HOW TO APPLY
> Applicants must have a Ph.D. in Mechanical Engineering or a closely related field. The term of the position is one year with an option to renew for up to three years. Starting date is negotiable. Interested applicants should email a CV, and the names of two references with their email addresses and phone numbers to info@weickenmeierlab.com.

EEO/AA Policy

Stevens is an Equal Opportunity Employer that is building a diverse faculty, staff and student body and strongly encourages applications from female and minority candidates as well as veterans and individuals with disabilities. Stevens is an NSF ADVANCE institution committed to equitable practices and policies.

Contact Information

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

Contact Johannes Weickenmeier
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Contact E-mail info@weickenmeierlab.com