**Postdoctoral Researcher**
Purdue University, West Lafayette, Indiana
Weldon School of Biomedical Engineering

We are looking for a highly motivated postdoctoral researcher to join our team at the Weldon School of Biomedical Engineering to work on research relating to the gut-joint axis. Research directions include the role of microbe metabolites in modulating extracellular matrix biology and soft tissue biomechanics and host-microbiome interactions during the progression of post-traumatic osteoarthritis. This research requires excellent project management, communication, and interpersonal skills, as the successful candidate would be required to interact with project sponsors and researchers of myriad technical and personal backgrounds.

**Qualifications:** The ideal candidate will be able to demonstrate...

- A Ph.D. or equivalent in Biomedical Engineering, Biology, or closely related field
- Primary expertise in at least one of the disciplines or approaches required in this work:
    - Animal models of orthopedic, intestinal, or nutritional pathology and associated assays
    - Mechanobiology, extracellular matrix biology, or inflammation
    - Atomic force microscopy or related microscale experimental biomechanics approaches
- Comfort with and commitment to working ethically with preclinical animal models
- Ability to design, conduct, and document experiments independently and through collaboration
- Effective project and time management, mentorship, leadership, and interpersonal skills
- Strong oral and written communication

The successful candidate will also be responsible for preparing manuscripts for publication, traveling to and presenting research results at scientific meetings, and working with Dr. Chan to manage research activities and mentor junior researchers. Postdocs are also expected to apply for internal (e.g., Gilbreth) and external support (i.e., fellowships, grants) and to develop independent projects in orthopedic biomechanics, matrix biology, biomedical imaging, and/or mechanobiology as part of their training.

This postdoctoral research position will be supported by startup funds, fellowships, and/or sponsored funds, with an immediate start date. Contractual appointment is on a yearly basis, with renewal dependent on satisfactory performance and timely completion of sponsor-contracted Milestones and Deliverables.

***Application Process and Deadlines:*** Interested applicants are invited to send a single PDF file containing a cover letter, a current curriculum vitae including DOIs for all first-author manuscripts, and names and contact information for three references (including affiliation, phone number, and email). In the cover letter, *concisely* describe how their prior experiences, research interests, and career goals align with this position and include a preferred start date (and expected graduation date if a Ph.D. has not yet been conferred). Review of applications will begin immediately.

***About the Chan MRI Lab and Purdue University:*** The Chan MRI Lab (bit.ly/Purdue_ChanLab) is housed in the Martin Jischke Hall of Biomedical Engineering at Purdue University in West Lafayette, Indiana. More information about the Weldon School of Biomedical Engineering can be found on our website.

***EEO/AA Policy:*** Purdue University is an EOE/AA employer. All qualified individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.

**Contact:** Dr. Deva Chan, Assistant Professor of Biomedical Engineering
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