

Bioengineering Research Faculty University of Notre Dame

The Graduate Bioengineering Program at the University of Notre Dame has an immediate opening for a *Research Assistant Professor* in the area of skeletal or connective tissue biology. Research areas of interest include tissue engineering; mesenchymal stem cells; mechanotransduction pathways; skeletal growth, development, aging, repair and regeneration; distraction osteogenesis; skeletal cell signaling pathways; and cell-biomaterial interactions. The successful candidate will be expected to collaborate with faculty, post-doctoral researchers, and students in an established orthopaedic biomechanics, biomaterials, and bioengineering research group. The candidate should plan to develop an externally funded research program. The initial appointment will be for two years, with a possibility of renewal contingent on successfully funded collaborative and independent external grants. Salary will be commensurate with qualifications.

The orthopaedic bioengineering research group at Notre Dame, consisting of five faculty members and over 20 graduate students and post-doctoral researchers, is engaged in research ranging from orthopaedic device design to tissue engineering and mechanobiology. The group occupies a recently constructed 29,000 square foot building with ample laboratory space, and existing facilities for cell biology studies and skeletal tissue phenotyping, including microscopy, micro-CT, and mechanical testing, are available. Additional laboratory facilities are located in Galvin Life Science Center in collaboration with the department of Biological Sciences. Facilities for animal research are available in the Freimann Life Science Center with a licensed veterinarian and support staff. Faculty in the Bioengineering Program have developed strong research interactions with the Department of Biological Sciences, the Indiana University Medical School and several orthopaedic device manufacturers located in nearby Warsaw, IN. Ongoing research is supported by NIH, Army, NSF, CDC, the State of Indiana and various industrial partners.

Applicants should have a PhD in biology or a related field with at least two years postdoctoral experience. A highly motivated candidate is sought with an experimental background, the ability to work both independently and collaboratively, and an interest in interdisciplinary research. Excellent written and verbal communication skills and a proven track record in the field are essential.

Interested candidates may send their CV, statement of research interests, and the names and contact information of four references to Dr. Mark McCready, Bioengineering Program Director, at mccready.1@nd.edu.

About Notre Dame

The University of Notre Dame is a private, Catholic, research university, with an enrollment of over 11,000 students. It is consistently ranked in USN&WR as a top 20 national research university. It is located near South Bend, Indiana and it is a short drive from the Lake Michigan shore and the greater Chicago area. The University of Notre Dame is an EEO/AA Employer.