



UNIVERSITY OF CENTRAL FLORIDA

Materials Science & Engineering

The University of Central Florida (UCF) has established several interdisciplinary clusters of investigators to strengthen its academic offerings and research mission. In support of this effort, we are recruiting faculty in the area(s) of materials and cell biology within the field of musculoskeletal science and orthopaedics and plan to hire (1) tenure-track assistant professor or tenured associate professor for Biionix (Bionic Implants, Materials and Interfaces Cluster (<https://www.ucf.edu/research/prosthetic-interfaces-biomedical-engineering/> and <https://med.ucf.edu/biionix-cluster/>). This position has an anticipated start date of December 21, 2022; however, this start date is negotiable.

This is an interdisciplinary position that will be expected to strengthen both the cluster and a chosen tenure home department and may include a combination of joint appointments. The candidate will work alongside colleagues within UCF's College of Medicine (COM) and Departments of Materials Science and Engineering (MSE) and Mechanical and Aerospace Engineering (MAE), Limbitless Solutions, as well as with clinicians and surgeons based within the nearby Veteran's Affairs Hospital, Nemours Children's Hospital and in the new UCF Lake Nona Medical Center. Candidates may choose their home department within one of the aforementioned areas or an area appropriate to their expertise. Musculoskeletal disease is considered one of the biggest health concerns for the next century and new therapies are becoming smaller, faster, and smarter. Advances in orthopaedic clinical treatment are being driven by interdisciplinary advances in the fields of materials science, medicine, and engineering; areas that form the foundation of Biionix Cluster research. Our mission is to innovate and advance the development of 'smart' biomaterials, both implantable and wearable, to innovate strategies for tissue repair and implant integration and in intelligent rehabilitation and improved wellbeing.

The ideal candidate will have experience in fundamental and applied research and work at the intersection of several areas. We are looking for a team player who can help bring together current campus efforts in musculoskeletal science and orthopaedics. The candidate will have research impact, as reflected in high-quality publications and the ability to build a funded and sustainable research program. All relevant technical areas will be considered.

Minimum Qualifications:

A Ph.D., terminal degree, or foreign degree equivalent from an accredited institution in an area appropriate to the cluster by the time of appointment.

The selected candidate must also have a record of high impact research (or potential for high impact research) related to materials and cell biology within the field of musculoskeletal science, as demonstrated by a strong and consistent scholarly and/or funding record from the NIH, NSF, or other equivalent agencies.

BEFOR APPLYING, please read the full ad at <https://ucf.wd1.myworkdayjobs.com/en-US/careers/job/UCF-HSC-at-Lake-Nona/Assistant-Professor-or-Associate-Professor--Biionix--Bionic-Implants--Materials-and-Interfaces- R101564> for details.