The University Of Sheffield.

Job Reference Number: UOS036818

Job Title: Research Associate in Computational Spine Biomechanics

Contract Type: Fixed-term from 01.07.2023 until 30.06.2026

Faculty: Faculty of Engineering

Department: Department of Mechanical Engineering

Salary: Grade 7
£36,333 - £44,414 per annum. Potential to progress to £47,423 per annum through sustained exceptional contribution.

Closing Date: 26th April 2023

Summary:

Are you interested in working for a world top 100 University?

The Insigneo Institute is looking to appoint a Post-doctoral Research Associate in Computational Spine Biomechanics to work on the recently awarded Horizon Europe Project, METASTRA - Computer-aided effective stratification of oncologic patients with vertebral metastases for personalized treatment through robust and validated numerical tools. The project strives to provide a combination of models biomechanically validated and demonstrated in relevant clinical environments that will be incorporated in a clinical decision support system.

Working with Professor Damien Lacroix and Dr. Enrico Dall'Ara you will work to advance the modelling of patients with vertebral metastases for the prevention of fractures to reliably stratify patients based on their fracture risk.

We are seeking candidates with an excellent PhD in biomechanics (or a related discipline). A solid knowledge of finite element modelling, expertise in using finite element software with high level of sophistication (e.g. use of user-subroutines in Abaqus, Ansys) and experience of working as a team member to collaborate, co-operate and participate with others to achieve common objectives and to share experience and ideas is essential.

We're one of the best not-for-profit organisations to work for in the UK. The University's Total Reward Package includes a competitive salary, a generous Pension Scheme and annual leave entitlement, as well as access to a range of learning and development courses to support your personal and professional development.

We build teams of people from different heritages and lifestyles from across the world, whose talent and contributions complement each other to greatest effect. We believe diversity in all its forms delivers greater impact through research, teaching and student experience.

To find out what makes the University of Sheffield a remarkable place to work, watch this short film: www.youtube.com/watch?v=7LblLk18zmo, and follow @sheffielduni and @ShefUniJobs on Twitter for more information.

Apply now by clicking on the Apply button located near the top left of your screen.