UNIVERSITY OF OXFORD

DEPARTMENT OF ENGINEERING SCIENCE

Postdoctoral Research Assistant in Ultrasound-triggered Formation of Engineered Tissues

Salary: Grade 7 £34,308 - £42,155 per annum

We are seeking a full-time Postdoctoral Research Assistant to join the Biomedical Ultrasonics, Biotherapy and Biopharmaceuticals Laboratory (BUBBL: https://ibme.ox.ac.uk/research/drug-vaccine-delivery/) at the Department of Engineering Science (Headington, Oxford). The post is funded by the Focused Ultrasound Foundation and is fixed-term up to April 2024.

For this exciting opportunity in translational therapeutic ultrasound research, we seek a postdoctoral researcher who will lead the evaluation and optimization of ultrasound for triggered gelation of spinal disc replacement materials. You will be responsible for simulation and measurement of in situ ultrasound and thermal fields, and you will contribute to the development of non-invasive treatment guidance techniques.

You should possess a PhD/DPhil or be near completion in a relevant area including engineering (mechanical, biomedical, tissue) or physics, and have evidence of high self-motivation and organizational skills. Experience with ultrasonic or thermal metrology is desired but not required.

Informal enquiries may be addressed to Dr. Michael Gray (michael.gray@eng.ox.ac.uk)

For more information about working at the Department, see www.eng.ox.ac.uk/about/work-with-us/

Only online applications received before midday on 6 January 2023 can be considered. You will be required to upload a covering letter/supporting statement, including a brief statement of research interests (describing how past experience and future plans fit with the advertised position), CV and the details of two referees as part of your online application. The application portal may be accessed here: https://eng.ox.ac.uk/jobs/job-detail/?vacancyID=162311

The Department holds an Athena Swan Bronze award, highlighting its commitment to promoting women in Science, Engineering and Technology.

Keywords: Focused Ultrasound, Spinal Disc, Hydrogel, Engineered Tissue, Back Pain