

# Bioreactors and Growth Environments for Tissue Engineering Workshop

SAVE THE DATES!

21<sup>st</sup>, 22<sup>nd</sup> and 24<sup>th</sup>  
March 2023

Offered Online via MS Teams

Organised by-

Drs Karina Wright and Charlotte Hulme  
School of Pharmacy and Bioengineering

Please register here by the 13<sup>th</sup> March-  
<https://forms.office.com/e/fN8C35unz1>

For any queries contact-  
[charlotte.hulme@nhs.net](mailto:charlotte.hulme@nhs.net)

*This interactive training course is spread across 2 days with flexibility for online attendance, targeted at postgraduate students (MSc and PhD) in industry and academia. See draft schedule for more details. Delegates are provided with a comprehensive understanding of the use of Bioreactors in Tissue Engineering. The course focuses on bioreactors and growth environments for tissue engineering, covering bone, cartilage and connective tissues.*

## **This workshop will include:**

*Bioreactor Design for Complex Tissues  
Mechanical Bioreactors—Design & Optimisation  
QA/Growing Cells for Clinical Therapies  
Building On-line Monitoring into Bioreactors  
Practical sessions—Design a Bioreactor  
Parameter Optimisation*

## **Additional workshop features:**

*Experience in practical break-out sessions  
Industrial and academic demonstration of Bioreactors  
Direct interaction with opinion leaders*

## **Keynote lecturers:**

**Professor Martin Stoddart (AO Institute Davos)**

**Dr Alastair Campbell Ritchie (University of Nottingham)**

**Dr James Henstock (University of Birmingham)**

