

## Payal Ganguly

Dr. Payal Ganguly (PhD) is a postdoctoral research associate (PDRA) in Leeds Institute of Rheumatic and Musculoskeletal Medicine (LIRMM) at University of Leeds, UK. Her current research focuses on the effect of pharmaceutical agents on patient derived 3D-tissue explants for arthritis.

Previously, her work investigated bone marrow mesenchymal stem cells (MSCs), platelet rich plasma (PRP) and their potential in regenerative medicine.

She graduated with a Bachelor of Pharmacy from NMIMS University, Mumbai in India and holds a Master's degree in Nanomedicine from Newcastle University, UK. She completed her PhD in Medicine from University of Leeds, UK from where her journey of working with patient samples for biomedical research began.

Prior to that, she worked in Nanomedicine research group at the Institute of Chemical Technology (ICT), Mumbai. She then worked as a research engineer under a Bill and Melinda Gates-funded project for novel transdermal drug delivery systems in the nanomedicine laboratory at the Indian Institute of Technology (IIT-B), Mumbai.

She is a co-inventor on a patent, a co-author of a book and has over 20 peer-reviewed publications to her credit (<https://scholar.google.com/citations?user=vRYsxM8AAAAJ&hl=en> ). She is also a TEDx fellow and has given a talk on 'Integrated approaches to sustainable healthcare systems in 2019' ([https://www.youtube.com/watch?v=klH3XPLmbk&ab\\_channel=TEDxUniversityofLeeds](https://www.youtube.com/watch?v=klH3XPLmbk&ab_channel=TEDxUniversityofLeeds) ).

Her research interests include arthritis, stem cells and aging, in vitro modelling, tissue engineering and nanomedicine.