

ANNUAL BMED PRESTIGE LECTURE: NEW MATERIALS AND APPROACHES FOR REGENERATIVE MEDICINE AND GENE THERAPY

Institution of
**MECHANICAL
ENGINEERS**

18 June 2019
Lecture

PRESENTED BY:
Kevin Shakesheff,
Professor of Pharmacy,
University of Nottingham



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Biomedical Engineering Division
Lecture

NEW MATERIALS AND APPROACHES FOR REGENERATIVE MEDICINE AND GENE THERAPY

18 June 2019

The clinical potential of regenerative medicine is huge but translational and commercial barriers are restricting progress with respect to medical advances. Synthetic polymers and peptides have a role to play in overcoming these barriers by enhancing efficacy and safety of cells, genes and other biologics. This talk will highlight new materials that have been designed to optimise tissue repair.



KEVIN SHAKESHEFF
Professor of Pharmacy,
University of Nottingham

Professor Kevin Shakesheff was the founding Director of the UK Regeneration Medicine Platform for Biomaterials and is currently Pro-Vice Chancellor for the Faculty of Science at the University of Nottingham. His research work concerns the design of new materials for use in regenerative medicine and drug delivery. Specifically he works on surface engineering and fabrication techniques to create thermoresponsive materials for the delivery of cell therapies and biologic drugs. He has patented technologies for minimally invasive matrices that are being translated into medical products by the University spin out company, Locate Bio Ltd. Within the UK Regenerative Medicine Platform he has overseen the design of new materials for gene therapy and cell delivery.

OTHER EVENTS TO LOOK FOR:

THE HEALTHCARE TECHNOLOGIES STUDENT AND EARLY CAREER AWARDS 2019

18 June 2019, London

This year's Healthcare Technologies Student and Early Career Awards will see finalists competing for a total of four prizes on 18 June 2019 at One Birdcage Walk, London. The competition will be followed by the Annual Prestige Lecture, which is titled "New Materials and Approaches for Regenerative Medicine and Gene Therapy" and will be presented by Kevin Shakesheff, Professor of Pharmacy at the University of Nottingham.

www.imeche.org/plasticswebinar

INCONTINENCE: THE ENGINEERING CHALLENGE XII

13–14 November 2019, London

We are inviting contributions to report on both new research and developments on existing projects, a valuable chance to update our multidisciplinary audience on advances related to incontinence technology. Join this collaborative effort of engineers, scientists, clinicians, researchers, commercial designers/producers and product users to help solve the problems that people with incontinence and caregivers face.

www.imeche.org/incontinence

PROGRAMME

17:30 Registration and refreshments

18:00 Lecture begins

18:40 Q&A session

19:00 Lecture ends

FOR MORE INFORMATION:

VISIT: www.imeche.org/genetherapy

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