

CBB Bioinnovations Seminar Series

“Regenerative Medical Technology - From Fundamental Research to Commercial Bio-Manufacture”

Tuesday April 11, 2017

2:30 pm – 4:30 pm

University of Waterloo

East Campus 5 Room 1111 (Enterprise Theatre)

Zhanfeng Cui, *PhD, DSc, FIChemE, FEng*

Donald Pollock Professor of Chemical Engineering

Director, CRMI Technology Centre, Institute of Biomedical Engineering

Department of Engineering Science, University of Oxford

Abstract: Regenerative medicine offers promising potentials for many unmet clinical needs. Both fundamental research and technology development are important to the success of clinical therapies and applications, and both need multi-disciplinary efforts. In this presentation, two case studies will be discussed to demonstrate how development in technology and engineering can help to advance fundamental scientific research and to bio-manufacture of regenerative medical products. [Full abstract can be found online.](#)



Professor Zhanfeng Cui,
PhD, DSc, FIChemE, FEng
University of Oxford

Biosketch: Professor Cui is the Donald Pollock Professor of Chemical Engineering, University of Oxford since the Chair was established in 2000. He is the Director of CRMI Technology Centre at the University of Oxford, a centre established in 2014 sponsored by China Regenerative Medicine International (CRMI), a public company based in Hong Kong. He was educated in China (BSc, Inner Mongolia Polytechnic University, MSc and PhD from Dalian University of Technology). After a Postdoc in Strathclyde University, he became a Lecturer in Edinburgh University in 1991, moved to Oxford in 1994 as a University Lecturer and was elected to the first Chemical Engineering Chair in 2000. He was elected to a Fellow of the Royal Academy of Engineering in 2013.

His main research interest is enabling technologies for regenerative medicine including bioreactors, monitoring, three dimensional culture, cryopreservation and scale-up. His centre conducts translational research targeting on cancer, diabetes, neural degeneration and musculoskeletal conditions.

Event is FREE – [please RSVP via EventBrite](#)

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