

1. Event title

Bioengineering Innovation in Healthcare: Introducing the “Irish Bioengineering Innovation Forum”

2. Date and time of event

Thursday 1st March 2018 @ 6pm (coffee @5.30pm)

3. Venue location (address, building and room/theatre)

Crossland Lecture Theatre, Parsons Building, Dept. Mechanical and Manufacturing Engineering, Trinity College Dublin

4. Speakers and bio's

Assoc. Prof. David Hoey

Dr. David Hoey is an Associate Professor in Biomedical Engineering within the Department of Mechanical and Manufacturing Engineering and PI within the Trinity Centre for Bioengineering in Trinity College Dublin (TCD). Dr. Hoey leads a multidisciplinary experimental mechanobiology research group where his goal is to integrate engineering mechanics into the understanding of the molecular basis of musculoskeletal physiology and disease, leading to new therapies and medical devices. Prof. Hoey is also a committee member of the Biomedical Division of Engineers Ireland and Director of the Irish Bioengineering Innovation Forum.

Prof. Catriona Lally

Caitriona Lally is a Professor in Bioengineering in the Department of Mechanical & Manufacturing Engineering in Trinity College Dublin. Her current research areas include arterial tissue mechanics, vascular imaging, vascular mechanobiology and tissue engineering, with a particular focus on gaining fundamental insights into vascular tissue remodeling to enable better disease diagnosis and medical device design. She has secured considerable research funding from national funding agencies including Science Foundation Ireland, Enterprise Ireland and the Irish Research Council and was awarded an ERC Starting Grant in 2014.

Assoc. Prof. Bruce Murphy

Associate Prof. Bruce Murphy runs the medical device design laboratory at the Trinity Centre for Bioengineering. He has over 15 years experience in the field of medical device design, and has raised over €7m in grant funding for medical device design projects from Enterprise Ireland, SFI and the European Commission. To date there is one successful spin-out from the laboratory (Proverum) and he has licensed technology on three occasions to third parties.

5. Outline of talk/topics

Assoc. Prof. David Hoey

Talk Title: *The Irish Bioengineering Innovation Forum*

Prof. Catriona Lally

Talk Title: Novel Non-Invasive Approaches To The Diagnosis Of Early Stage Cardiovascular Disease

Prof. Bruce Murphy

Talk Title: CroíValve

6. Host organisation and contact

Assoc. Prof. David Hoey

Department of Mechanical and Manufacturing Engineering

Trinity College Dublin

dahoey@tcd.ie

01 89613549

7. Sector contact

Assoc. Prof. David Hoey

Department of Mechanical and Manufacturing Engineering

Trinity College Dublin

dahoey@tcd.ie

01 89613549

8. Web casting/streaming requirement if any (this can be met by the host organisation if they have the facilities locally, or can be done using equipment provided by Engineers Ireland). See attached release form.

Undecided at present

9. Use of speakers presentation as material for journal article, if appropriate (commercial sensitivity may be an issue in some cases)

A version of presentations will be made available for publication.