

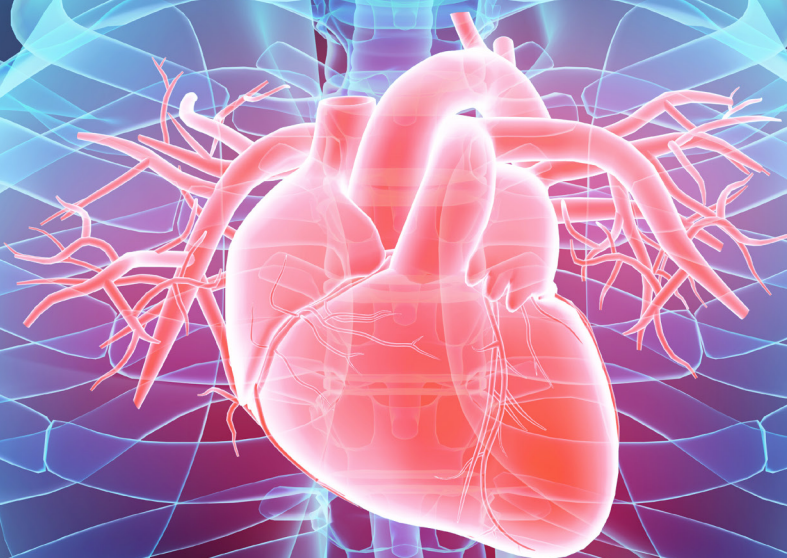


Irish Medtech
Association
SKILLNET

Device Innovation for the

Cardiovascular Sector

**Wednesday March 29th
& Thursday March 30th**



Moyola Lane, Newcastle, Galway



The Irish Medtech Association Skillnet is funded by member companies and the Training Networks Programme, an initiative of Skillnets funded from the National Training Fund through the Department of Education and Skills. www.skillnets.ie

Device Innovation for the Cardiovascular Sector

Lecturer Dr Faisal Sharif



Doctor Sharif is a senior lecturer in regenerative medicine in National University of Ireland, Galway and a consultant cardiologist for Galway University Hospitals. He completed his general professional training in medicine at Galway University Hospital and completed his Specialist Training in Interventional Cardiology under the Irish Committee on Higher Medical Training from Royal College of Physicians Ireland (2000-2008). He acquired his PhD in vascular biology and Gene Eluting Stents from the Regenerative Medicine Institute (REMEDI) at National University of Ireland Galway (2003-2006). He also holds a Diploma in Health Care Management from Institute of Public Administration in Dublin (2005-2007). He was elected to a two year Fellowship in Interventional Cardiology between Clinique Pasteur, Toulouse France and St James Hospital Dublin (Boston Scientific Travelling Grant). During his tenure in Toulouse, he worked closely with Dr Jean Fajadet and gained expertise Percutaneous Coronary Intervention (PCI) via transradial access. From 2009-2010 he worked at OLV Cardiovascular Centre, Aalst, Belgium and worked with Bernard De Bryune, William Wijns and Jozef Bartunek, among others. During his training abroad he has been actively involved with the EuroPCR. In addition to PCI, he has gained experience in transcatheter aortic valve implantation (TAVI) for aortic stenosis, closure of septal wall defects and percutaneous stem cell injection into the human myocardium. In October 2010, he returned to Ireland to take up the position of Senior Lecturer in Regenerative Medicine and Interventional Cardiologist at Galway University Hospitals in Ireland. His key area of interest is translational medicine focusing on cardiovascular clinical trials for medical devices and basic science.

Programme Overview & Objectives

This seminar is developed to enhance the understanding of cardiovascular pathophysiology and currently available treatments for engineers and researchers working in the medical device sector.

The course will go through the basic fundamentals of cardiovascular medicine required for medical device innovation. The focus of the course will be to increase an understanding of the cardiovascular system with special focus on emerging medical devices for this area. This is a very practical course with real life every day examples of medical devices in use for cardiovascular diseases. The course will cover cutting edge topics in interventional and structural cardiology focusing on medical devices used for these evolving conditions.

Content Includes:

1. Coronary Artery Disease

(normal, plaque pathophysiology, disease manifestations, current treatments, complex PCI including rotational atherectomy, chronic total occlusion, bifurcation stenting, left main stem stenting etc.)

2. Coronary Stent Evolution

3. Transcatheter Aortic Valve Implantation (TAVI)

(literature review, anatomical considerations, current devices and future directions)

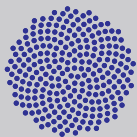
4. Devices for Hypertension

(current literature and devices, future indications etc)

5. Medical Devices for Heart Failure

6. Novel Imaging Tools for Cardiovascular Imaging

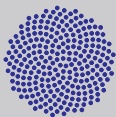
(Optical coherence tomography, Intravascular ultrasound, Cardiac MRI and CT Coronary angiography)



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Irish Medtech Skillnet

The "Design Innovation for the Cardiovascular Sector" programme is funded through the Irish Medtech Skillnet. The Irish Medtech Skillnet is a national network which develops and delivers training, upskilling and professional development programme for the medical technology sectors. The Network is overseen by the Irish Medtech Association, a sector association of Ibec.



Irish Medtech Association **Ibec**

Irish Medtech Association

The Irish Medtech Association aims to promote and support an environment that encourages the sustainable development and profitable growth of multinational and indigenous medical device and diagnostic companies. This is achieved by focusing on four strategic themes including; Ecosystem Development; Industry Foresight; Entrepreneurship and Member Services. Irish Medtech Association is the business association within Ibec for the Medical Devices and Diagnostics sector.

Book Now

Online: www.irishmedtechskillnet.ie

Email: Michelle.Reinecke-Quain@IBEC.IE **or Call:** 061-431802