



Venture Center

NCL Innovation Park  
Pashan road, Pune-08

## **BIOPUNE SEMINAR SERIES**

Bio Pune Seminar Series presents talks in the area of Bio Technology, Biomedical Engineering, Bioinformatics, Biomass value addition and related areas which are of interest and relevance to the bio sciences based technology and entrepreneurship community in Pune.

BIRAC supported



BioIncubator

### **BioPune Seminar # 8**

on

## ***Medical Device Development: From clinic to laboratory to manufacturing and back to clinic.***

By

### **Professor Alan Murray**

Professor of Cardiovascular Physics,  
Newcastle University, UK

on

**Friday, 28 November 2014  
3.30pm – 5pm**

Training Room, Venture Center  
100 NCL Innovation Park  
Dr. Homi Bhabha (Pashan) Road,  
Pune – 411008

#### **Register here:**

<http://vcevents.pandaform.com/pub/n8dmqk/new>

This is a free event, but registration is required

\*Tea shall be served at 3.45pm at the venue.

### **Professor Alan Murray**



Professor of Cardiovascular Physics,  
Newcastle University, UK

#### **Abstract:**

This lecture will review experience in medical device development. It will start with consideration on whether a new device is actually needed. Has an assessment been made on whether such a device would make clinical workload easier, faster and safer, or allow a new diagnostic technique or therapeutic procedure to be introduced? Would patients benefit? Has the literature been studied carefully to see what has already been achieved, or what might already be on the market? Is there freedom to manufacture a device without breaking a patent? Or better, can you patent your device? Have the various international standards been studied? Will you produce a Technical File, and will it be audited? Have you carefully considered ease-of-use and safety? Are you realistic about the chance of success, and the time it will take?

None of these questions is designed to stop any worthwhile idea, but to make sure that time spent on medical device development will reach the goal of a device being produced that you will be proud of, and will bring benefits to the care and wellbeing of patients.

#### **About the speaker:**

Alan Murray is Professor of Cardiovascular Physics, and Strategic Research Advisor in the Medical Faculty at Newcastle University. His primary areas of research are in the development of devices and measurement techniques of clinical value. He has published over 300 research papers, including in Nature and Lancet. One of his recent projects has led to successful development and commercialization of mercury free blood pressure apparatus. He also has a particular interest in promoting medical device safety in hospitals. His work on medical devices and in patient safety led to the publication of the book he co-authored on "Medical Devices: Use and Safety", which was republished in digital format in 2011 and was also published independently in India in 2011 for the Asian market, and is currently being translated into Mandarin, for China.