

OsteoAnchor Technology Makes the News!

OsteoAnchor (www.osteanchor.com) is a new type of surface architecture for improving the lifespan for patients of cementless orthopaedic implants, such as hip and knee replacements. It has been developed over the last 4 years by Dr. Pat Mc Donnell and Dr. Noel Harrison who work in the Commercialisation Research Office at BMEC, NUI Galway and funded by Enterprise Ireland. OsteoAnchor was presented by Dr. Noel Harrison at Enterprise Ireland's Big Ideas event at the Aviva Stadium on Wednesday the 28th November 2012. (<http://www.enterpriseireland.com/en/Events/OurEvents/Big-Ideas-Technology-Showcase-November-2012>). This event showcased the most promising technologies with commercialisation potential to emerge from Irish research institutions this year and was attended by Seán Sherlock (Minister for Research and Innovation) as well as some 300 delegates from the venture capital and investment sector

Coverage of this event on RTE's 6-1 news programme, featured a brief interview with the presenter- <http://www.rte.ie/player/ie/show/10091586/> (32 minutes into this programme)

The technology also featured in the Business section of The Irish Times on the following day, including a photograph with Minister for Research and Innovation Sean Sherlock TD and Deirdre Glynn (Enterprise Ireland), seen below

(<http://www.irishtimes.com/newspaper/finance/2012/11/29/1224327249194.html>)



IRISH TIMES BUSINESS - 28/11/2012- Dr Noel Harrison, (left) from OsteoAnchor (NUI Galway), is pictured here with Sean Sherlock TD, Minister for Research and Innovation, and Deirdre Glenn, Enterprise Ireland Director of Manufacturing, Engineering and Energy Commercialisation, at the Big Ideas Showcase in Dublin today (Wed 28 November 2012). OsteoAnchor is one of 19 exciting new technologies in the Big Ideas Showcase, pitching to over 300 potential investors and partners. The event drives commercialisation of new technologies, with opportunities for creating new companies and new jobs. (Credit Gary O' Neill)

The participation of OsteoAnchor in the showcase event also received mention in a number of technology publications:

<http://www.siliconrepublic.com/innovation/item/30399-big-ideas-give-med-tech-an/>

<http://www.med-techinnovation.com/News/home/news/817>

OsteoAnchor addresses the problem of implant loosening which requires traumatic and costly revision operations. The unique aspect of OsteoAnchor is the multitude of tiny claw features that protrude from a porous lattice and which embed into the patient's bone. Our tests have shown that no other surface coating on the market provides such a strong initial fixation. This facilitates improved long term implant fixation and lifetime via hard bone tissue ingrowth, in and around the other micro structural features on the surface of the implant. A successful pre-clinical trial of an OsteoAnchor hip replacement in an ovine model has confirmed the effectiveness of the technology in-vivo. OsteoAnchor technology is suitable for multiple applications including hip, knee, elbow, shoulder and ankle replacements. The market size for hip replacements alone is in the region of €6 billion per annum. OsteoAnchor will initially target the revision hip market, where fixation is most difficult to achieve. A patent application has been filed to protect this technology in multiple jurisdictions. A new website for OsteoAnchor was recently launched (<http://www.osteanchor.com>) where further information on the technology and contact details can be found.