

## Upcoming events

- The TTO's annual **Technology Showcase** will take place on **6th October 2011 in the Science Gallery from 4-8pm.**

We will showcase 35 technologies at different stages in the commercial pipeline derived from a wide range of disciplines across College. With Trinity's record of over 18 spin-out companies in the last 3 years, this showcase is a must see for business partners, investors and entrepreneurs alike. This year's projects promise real commercial opportunities. We look forward to a great showcase, demonstrating the benefits of research to the economy and society. Full brochure at [www.tcd.ie/research\\_innovation](http://www.tcd.ie/research_innovation).

- The Entrepreneurship training programme begins on 6th October – contact Bridget Noone ([bnoone@tcd.ie](mailto:bnoone@tcd.ie)) for more details.
- Dublin's Innovation Festival 17th October – 18th November
  - Crowd funding student ideas
  - Business of the future event
  - Trinity special on An LárTV
- Four Trinity commercial opportunities will be presented at Enterprise Ireland's Big Ideas event on Monday 10th October. Engram (Ian Robertson), Endoview (Gerard Lacey), Smart Splint (Padraig McAuliffe) and PaJR (Lucy Hederman) will present new technologies for world markets. 18 technology presentations will describe investment opportunities, each with its own merits and business potential.

## Commercialisation support

Emily (Life Science), John (IT) Graham (Physical Science) and Gordon (Translational Science), the Technology Transfer Case Managers (TTCMs) provide support to Trinity staff and students who have made a discovery, while carrying out their research, that might have commercial potential.



The TTCMs evaluate the patentability of your novel technology, assess the commercial potential and determine whether a commercial exploitation route should be followed. In consultation with the researchers, they aim to license the new technology to an existing company or to advise on the establishment of a new TCD campus company. TCD staff can identify the relevant CM on at [www.tcd.ie/research\\_innovation/technology](http://www.tcd.ie/research_innovation/technology)

## Turning grass into money

A newly formed company, Monford AG Systems, has commissioned Hitesh Tewari in the School of Computer Science and Statistics to conduct some work funded by two Enterprise Ireland (EI) Innovation Vouchers. The product, "The Grassometer", involves sensor technology which was developed in TCD. It is a smart phone application which enables farmers to monitor grass growth and to carry out analysis on herd management, milk output, etc. Monford has been successful in securing an additional €50k from EI in the latest round of the Competitive Start Fund.



## College researchers are an inventive lot !

In the course of the academic year just ended, the TTO received a total of 61 disclosures of novel intellectual property (IP) arising from research projects throughout College. The topics covered include Therapeutics for Autoimmunity, a Varicose Vein Device, an Atrial Fibrillation Screening Test, New Magnetic Memory, Realistic Animation of Virtual 3D Characters, an Automatic Metadata Extraction Framework and Graphene-Polyester Fibres. The TTO is working to evaluate the commercial potential, file patents where appropriate and license the IP for the benefit of the economy and the community. In accordance with College's IP Policy, all creators/inventors of licensed IP are awarded a share of any revenue received by TCD.

## “Watch Out!” for Wingwatch – Aircraft Ground Collision Avoidance



The aircraft industry loses billions worldwide each year due to accidents on the ground. The WingWatch technology monitors the environment surrounding the aircraft during parking and taxiing manoeuvres, providing a timely and accurate warning to pilots when a potential collision threat exists. This technology was developed by entrepreneur Willie Butler, and Prof. Gerry Lacey (Computer Science).

## Licensing Deal – Vitalograph

**TCD translational research collaboration leads to licensing of an inhaler compliance device technology to Vitalograph Ireland Ltd. and a clinical research programme supported by GSK.**

Professor Richard Reilly (ex UCD, and now, Director of Bioengineering at TCD) and Professor Richard Costello, RCSI and Respiratory Consultant Beaumont Hospital developed an acoustic analysis device which can be integrated into inhalers to provide patient compliance and drug efficacy data in major respiratory disorders. TCD led a licence deal on behalf of UCD, RCSI and TCD granting a single licence to Vitalograph Ltd.



Vitalograph Ltd, which is based in Ennis Co. Clare, is currently engaged in developing a series of new products for their clinical trials group based on this technology.

GSK, a global player in pharmaceuticals and leader in respiratory disorder therapies, is currently supporting Professors Costello and Reilly in a clinical research programme.

## Dr Daniel Kelly : Entrepreneur

Dr Daniel Kelly is a lecturer in TCD's School of Engineering, and a Principal Investigator at the Trinity Centre for Bioengineering.

Arti-stent, a flexible cardiovascular stent technology developed by Dr Kelly was licensed to a TCD start-up, Synergy Flow, in 2010.



Dr Kelly's current research focuses on using stem cells that can be isolated from within damaged or diseased joints such as the knee to tissue engineer cartilaginous grafts to regenerate and repair articular cartilage which could prevent arthritis.