

# Trinity Technology Transfer News

December 2011

## Recent events

- A total of 36 projects were presented at the fifth **Innovation & Technology Showcase** in TCD in October. Projects with a social focus - such as a new stove generator for the developing world and an online community for children with cancer - were presented alongside commercially-focused technologies for which the TTO is seeking licensees *e.g.* the first ever blood test for lung cancer diagnosis and a new ferromagnetic material for data storage. Business partners, investors and entrepreneurs came to talk to the creators of the ideas. The brochure is available at [http://www.tcd.ie/research\\_innovation/](http://www.tcd.ie/research_innovation/)

- At a **Campus Company Celebration** event on 1<sup>st</sup> December, awards were presented to the academic promoters of the 14 new companies which were approved during 2010 and 2011.



The Provost, Dr. Patrick Prendergast (R) and Dr James Callaghan, Associate Director TR&I (L) with Dr Hicham Lahlou, (centre) Managing Director of Xcelerit Ltd - a campus company which provides software acceleration solutions.

## AERIAQ Filtration Limited – TCD’s latest campus company

AERIAQ Filtration was approved as a Campus Company in November, and has been granted a licence by TCD to commercially exploit the technology which was developed by Dr Laurence Gill, Dr Aonghus McNabola and Dr Niall O’Luanaigh from TCD’s School of Engineering.



The product is a filterless device capable of reducing the number of pollution particles entering an indoor space in a more energy-efficient manner than is currently being employed in buildings today. The value proposition for the building owner is a reduction in fan energy and elimination of the need to change out filters.

Entrepreneur, Elmarie van Breda, saw the idea at the TTO Technology Showcase in 2010 and has been working with Aonghus for the past nine months through the Enterprise Ireland Business Partner Programme to develop both a business plan and a working prototype. AERIAQ’s initial target market is high-occupancy buildings and future products may include a car filtration device also aimed at improving occupant health.

The inventors were presented with an Enterprise Ireland **Industrial Technology Commercialisation Award** in November, and the company was also recognised at the recent TCD Campus Company Celebration event. Both Aonghus and Laurence are shareholders in the company.



## Engagement with Industry

One of the functions of the Technology Transfer Office is to facilitate industry interactions. Audrey Crosbie, Trinity’s Industry Liaison Manager, is the first point of contact for companies who wish to learn more about what research is on-going and to investigate opportunities to collaborate, and for academics who wish to actively seek collaborative engagements with industry to further their research efforts.

Such collaborations with industry provide the TTO with a source of potential licensees to whom TCD-generated technology and knowledge may be transferred, both for commercial exploitation and for societal benefit.

Some funding is available from Enterprise Ireland, IRCSET and SFI for industry collaborations – contact [audrey.crosbie@tcd.ie](mailto:audrey.crosbie@tcd.ie) for more information.

The MISSION of the Technology Transfer Office (TTO) section of Trinity Research & Innovation (TR&I) is

- to promote and facilitate the transfer to the community (for appropriate socio-economic return) of knowledge and intellectual property created within College, and
- to support College researchers seeking to develop such intellectual property.

The first two in a series of “How to.....” information leaflets have just been produced, and more are in the pipeline. Please see [http://www.tcd.ie/research\\_innovation/technology/](http://www.tcd.ie/research_innovation/technology/)

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## Trinity Campus Company Receives Enterprise Ireland Commercialisation Award

Dr Gerard Lacey of Computer Science is co-founder, Director and Chief Technical Officer of **Glanta Ltd.**, a Trinity campus company. Gerry recently won the 2011 Enterprise Ireland ICT Commercialisation Award at the Big Ideas Technology Showcase. The technology licensed from TCD, known as

**Surewash**, makes hand hygiene training and compliance much less labour intensive by combining an e-learning system with patented video measurement technology.



## ACADEMIC ENTREPRENEUR – PROF. KINGSTON MILLS

Prof. Kingston Mills of the School of Biochemistry and Immunology is a world leader in Immunology, with a specific focus on mechanisms of protective immunity against infectious pathogens.

Kingston has been outstandingly successful in his academic endeavours and his entrepreneurial nature has led him to co-found two campus companies to develop and commercially exploit intellectual property developed in his lab.



Subsequent to co-founding Opsona Therapeutics in 2004, he co-founded 'TriMod Therapeutics' with Dr Jeremy Skillington in early 2011. TriMod has raised €750,000 investment from Enterprise Ireland, Opsona Therapeutics and Oyster Technology Investments Ltd.

As Programme Manager of the Immunology Research Centre and a strong advocate of industry-academic collaborations, Kingston has been instrumental in attracting leading multinational pharmaceutical companies to Trinity College Dublin.

## SFI Researcher of the Year - Prof Jonathan Coleman



With 114 publications, 4,000 citations, 2 patent applications and active research collaborations with HP and a number of other large multinational companies, Prof. Coleman richly deserves the SFI Researcher of 2011 Award.

He is currently working on scaling up the production of single-layered materials, focussing on how to produce nanosheets that are just one atom thick. These materials have potential in the development of thermoelectric devices and next generation batteries.

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