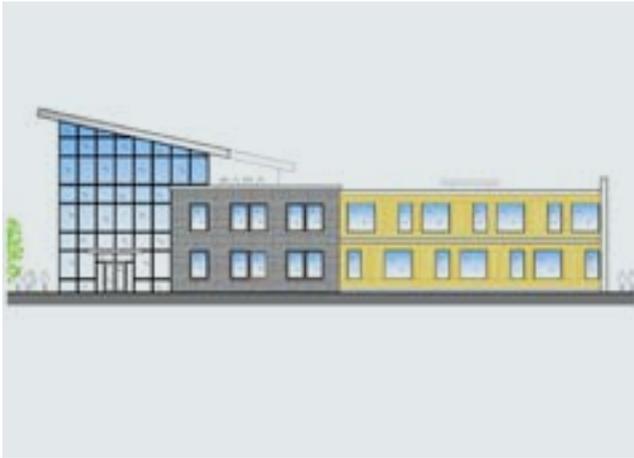


INCUBATION CENTRE FOR NUI MAYNOOTH



NUI Maynooth has secured planning for the development of an Innovation and Incubation Centre to be located on the North Campus close to the Biosciences building. The University has a committed budget to support the construction and running of the building and has also secured funding from Enterprise Ireland for the construction phase commencing 2012. The Centre will house spin-out and spin-in companies across a range of disciplines and will allow NUI Maynooth to both cater for its own spin-out companies and attract growth companies to engage in collaboration with the University. The Centre will offer support services and mentoring to its clients.

If you are interested in more information on our Incubation Centre please contact commercialisation@nuim.ie

COMMENTS + QUESTIONS?

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QUARTERLY NEWSLETTER Q3 2011

Welcome to the latest edition of the information sharing newsletter from the National University of Ireland Maynooth Commercialisation Office. Our goal is to share the latest news and activities on the commercialisation of NUI Maynooth research. We hope you enjoy the newsletter.

ENTERPRISE IRELAND INTERNATIONAL DATA COMPARISON

IRISH TECHNOLOGY TRANSFER METRICS AND INTERNATIONAL DATA

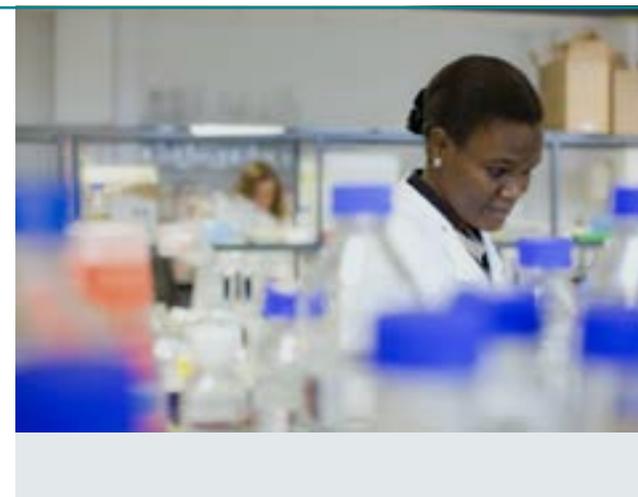
Enterprise Ireland (EI) has been collecting Technology Transfer Metrics data since 2006 from all Irish Higher Education Institutes under the aegis of the TTSI programme (Technology Transfer Strengthening Initiative). A substantive multiannual set of statistics are used to conduct an informative comparison against similar data from available international sources. Although the technology transfer system in Ireland is relatively young, it produces results which compare favourably with international data.

RESEARCHER PROFILE DARREN KAVANAGH



Dr Darren Kavanagh is a post-doctoral researcher in the Hamilton Institute. He is working under Prof. Doug Leith and Dr. David Malone on areas of applied mathematics for addressing interesting research problems in communication networks. Darren recently received his PhD from Trinity College Dublin (TCD) under the supervision of Prof. Frank Boland, in the area of advanced digital signal processing (DSP), pattern recognition and machine learning of audio (speech) and acoustic signals. The title of his thesis was “Classification and Segmentation Methods with Application in Audio and Acoustic Signal Processing.” This research has led to commercial applications in the area of digital technologies for education. Upon completion of his doctorate at TCD, Darren joined the Hamilton Institute and has since then been applying his knowledge and expertise in pattern recognition and machine learning to solve problems in the area of communication systems. Currently, two research problems he is addressing are: (i) signal estimation techniques for automatically monitoring the condition of communication networks, and (ii) detection of irregularities (player cheating) in online multiplayer video games using pattern recognition approaches. Darren is enthusiastic about areas of innovation, technology transfer and commercialisation of research. His approach to finding interesting research problems to work on involves trying to strike a suitable balance between the concepts of technology-push and market-pull. He has found this requires attaining a detailed understanding of current market needs as well as grasping a strong knowledge of the associated state-of-the-art technologies and solutions to meet these important market needs. Darren provided some initial fruitful suggestions and ideas which subsequently led to the foundation of the Innovators Forum at NUI Maynooth. The Innovators Forum is a place for early career researchers to engage, share ideas and discuss matters relating to entrepreneurship and research commercialisation for aspiring campus company spin-outs. This forum will convene again on Friday, 19th August.

CHALLENGES FACING THE BIOTECHNOLOGY INDUSTRY



In the U.S., the baby boom generation started turning 65 this year, making them eligible for Medicare. In fact, in the U.S., ten thousand people turn 65 every day-and ten thousand more will turn 65 every day for the next twenty years! There are 50 million Medicare beneficiaries today. There will be about 65 million by the end of this decade and more than 80 million by the end of the next. Medicare is facing an unfunded liability of almost \$25 trillion over the next 20 years.....

Instead of fixating on the cost of innovative medicines, consider this: a new drug that could delay the onset of Alzheimer’s by even 5 years, would save Medicare \$50 billion dollars a year.....

The Commercialisation Office is devoting more time and resources to business development. By talking to key players and developing strong industry links we aim to discover the challenges facing big pharma and focus on taking steps to find a solution. This includes broadening our network and Paul Tyndall recently attended an international biotechnology conference in Washington to engage and listen to what industry needs and how our researchers can provide solutions.....