



The research commercialisation office of the University of Oxford, previously called **Isis Innovation**, has been renamed **Oxford University Innovation**

All documents and other materials will be updated accordingly. In the meantime the remaining content of this Isis Innovation document is still valid.

URLs beginning www.isis-innovation.com/... are automatically redirected to our new domain, www.innovation.ox.ac.uk/...

Phone numbers and email addresses for individual members of staff are unchanged

Email : enquiries@innovation.ox.ac.uk

Oxford Invention Fund Report and Update 2012



Introduction

The Oxford Invention Fund provides an opportunity for donors to the University to support innovation and enterprise in Oxford, and to see a return to the University from successful new business ventures.

The Oxford Invention Fund fills the gap between current funding support for research and infrastructure in the University and investment from industry and the finance sector, and enables the progression of the most exciting innovations from all departments within the University. The Fund is managed on behalf of the University by its wholly owned technology transfer company Isis Innovation Ltd.

By enabling a commercial route to market for the outstanding range and scope of inventions and innovation from the University, donors play a vital role in ensuring that society globally benefits from academic research in Oxford.



The Fund was launched in June 2010 and started reviewing proposals to support technology projects in June 2011.

The Fund has now supported 10 proposals in the period June 2011 to October 2012, developing technologies in a wide range of sectors.

An Outstanding Start

Generous donations from benefactors to the University have allowed the fund to rapidly become an important source of funding to support researchers across the University of Oxford.

Donations from the following individuals and companies over this period are gratefully acknowledged:

Mr. Alexis Zervoglos
Sir Douglas Hague, CBE
Dr. Tim Cook
Prof. Geoff Hale
COSAT Johnson & Johnson
Dr. Jian Cao
Mr. Mark Houghton-Berry
Dr. Jim Taylor

The Fund has attracted £1.4m to October 2012 and committed 40% of its funds to 10 Oxford projects.

Fund Value
£1.36m

Committed Funds
40%

Projects supported by the Fund

Oxtexs: OIF-502

Incorporated in 2011

Medical device company, developing self-inflating tissue expanders for a range of clinical applications in restorative dentistry and reconstructive plastic surgery. Technology developed at the Department of Materials at the University of Oxford, and reconstructive surgeons from the Oxford John Radcliffe Hospital.

Antiviral therapy: OIF-504

Under development

Researchers from the Departments of Chemistry, Pharmacology, Cardiovascular Medicine, Nuffield Department of Medicine, and the Oxford Target Discovery Institute are collaborating in the development of new therapies.

Antibacterials: OIF-501, 505

Under development

Aiming to establish in vivo antibacterial activity to enable development of next-generation broad spectrum and single antibacterial agents, having already identified in vitro actives of structurally novel tetramates.

Assisted Vision: OIF-506

Under development

A visual aid, worn like a pair of glasses, to provide improved spatial awareness and object recognition to the legally blind. Developed in the Nuffield Department of Clinical Neurosciences, the device shows the apparent size and position of objects near to the wearer.



Cardiovascular therapeutics: OIF-507

Under development

Ischemic heart disease is characterized by reduced blood supply to the heart, usually due to coronary artery disease, and is the most common cause of death in the Western world. Researchers from the Departments of Chemistry and Cardiovascular Medicine discovered that increased heart levels of creatine, a natural chemical supplying energy to muscle cells, protects against ischaemia-reperfusion injury and improves functional recovery of the heart.

Intelligent Ultrasound: OIF-508

Incorporated in 2012

Software to improve the quality, reliability and diagnostic power of medical ultrasound scanning. Now commercialising two platform technologies developed at the Institute of Biomedical Engineering: an image enhancement software tool, enabling improvements in image definition, and a software-based continuous quality improvement system for ultrasound practitioners.

UltraRes: OIF-509

Under development

A new, very high resistivity, semiconductor silicon substrate for semiconductor and consumer electronics applications from the Department of Materials. The new substrate will enable better performing and more power efficient electronics devices. This new silicon material is cheaply and simply fabricated and delivers a huge price advantage relative to the market incumbent silicon variant.

FLOVane: OIF-510

Under development

A new approach to the design of turbine vanes for industrial, marine and aerospace turbines from the Department of Engineering Science. The novel shape reduces aerodynamic losses and allows for improved cooling.

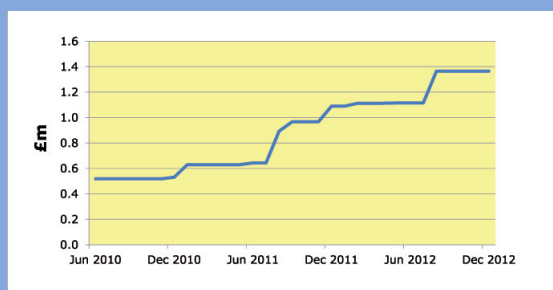
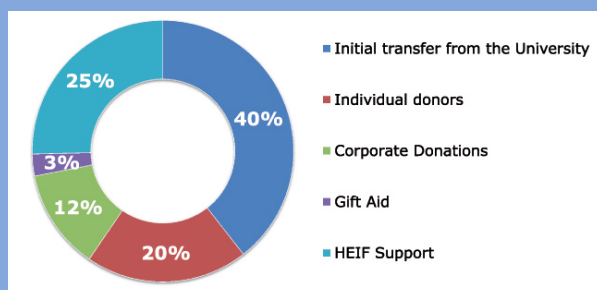
Sarcoidosis biomarker: OIF-513

Under development

Developing a molecular biomarker to identify sarcoidosis patients with severe lung disease, using genome-wide gene expression profiling to derive a gene expression signature for progressive fibrotic (scarring) pulmonary sarcoidosis, from the Nuffield Department of Medicine.

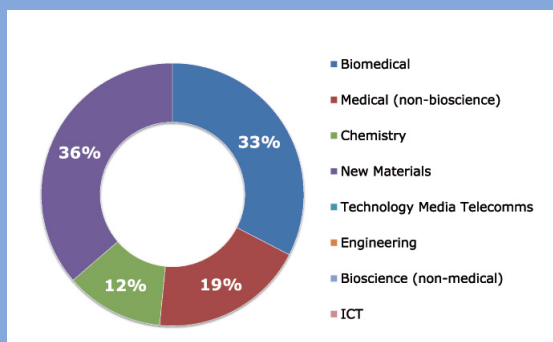
Sources of funding

The Fund has benefited from generous donations from a number of individuals, Oxford alumni and a multinational corporation since its launch in June 2010. We continue to strive toward our target of £5 million, to enable the translation of the most promising Oxford research toward real-world clinical and commercial applications.



Investments made

The chart shows the technology sector of projects that have received funding. Biomedical and materials projects account for a third each with others in medical and chemistry sectors. Projects presented to the fund can come from any area of the University's research activities, and it is anticipated that projects across all technology sectors will be supported over time.



To donate

Oxford welcomes benefactors and anticipates that their involvement in the Oxford Invention Fund will lead to a lasting relationship with the University, the entrepreneurial companies launched by the Invention Fund and also with like-minded supporters, alumni and the University's dedicated researchers.

This fund is an essential constituent part of the Oxford Thinking Campaign to ensure the continued success of Isis Innovation in delivering commercial and societal benefit from University research. Please consider joining the visionary benefactors who are already taking part in this unprecedented philanthropic effort.

- For more information on the Fund, please visit: www.campaign.ox.ac.uk/oxford_invention_fund
- An online donation facility to the Invention Fund is available at: www.giving.ox.ac.uk/oxford_invention_fund

For more information

Please contact Andrea Alunni at Isis Innovation: T: +44(0)1865 280843 E: andrea.alunni@isis.ox.ac.uk

Isis Innovation Ltd
 Ewert House, Ewert Place
 Summertown
 Oxford OX2 7SG
 United Kingdom
 T +44 (0) 1865 280830
 F +44 (0) 1865 280831
 E innovation@isis.ox.ac.uk
 W www.isis-innovation.com

University of Oxford
 University Offices
 Wellington Square
 Oxford
 OX1 2JD
 United Kingdom
 T +44 (0) 1865 270000
 F +44 (0) 1865 270708
 W www.ox.ac.uk