

# University of Dundee College of Life Sciences

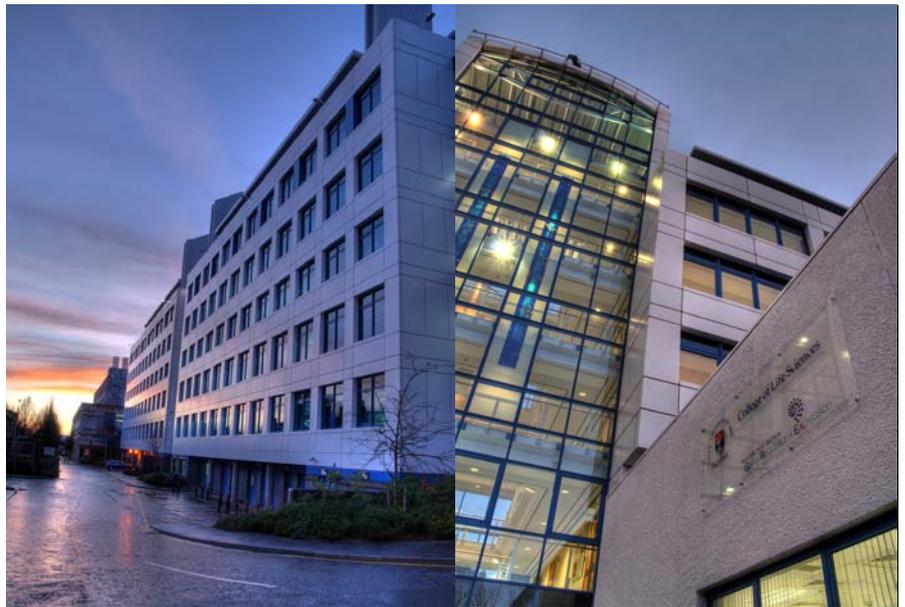


At the College of Life Sciences, University of Dundee we endeavour to maximise impact from all our research outputs. The College has contributed to the development of a regional biotechnology cluster and participates extensively in public engagement with audiences ranging from school children to television viewers.

The College of Life Sciences, University of Dundee maximises impact from its varied research and contributes significantly to the regional biotechnology economy.

We collaborate widely with industry, incubate fledgling companies and participate extensively in public engagement.

This has had significant local impacts, stimulating the emergence of a regional biotechnology cluster which makes a major contribution to the Tayside economy and currently accounts for 16 % of local jobs.



The College of Life Sciences continually works to translate research into practical outputs

We aspire to create a culture of knowledge sharing and communication through outreach projects that reach the widest possible audience using a variety of media from technology to art. At the University of Dundee College of Life Sciences (CLS) we continually strive to translate our research into practical outputs that improve quality of life and the environment.

## Delivering Impact

Our global reputation for research excellence has enabled us to achieve impact via:

- strategic partnerships with industry, spin-out company creation and development of research service units
- embedding four staff from our Research and Innovation Services within the college to nurture the culture of enterprise and facilitate the development of innovative business models for translational research
- promotion and support of our activities through our Impact website
- recognising and rewarding impact activities through our annual awards - the Brian Cox Award for Public Engagement (now in its third year) and the newly-launched Innovator of the Year Award, with special recognition for early career researchers

Over half of our Principal Investigators are actively involved in enterprise. In 2010 57 % of Principal Investigators, and 14 % of postdoctoral researchers participated in outreach activities (a rise of 42 % and 40 % from 2008 respectively). Activities reached 5,188 schools students, 310 members of the general public and 2 million viewers nationwide. By documenting, supporting and promoting research impact activities we continue to nurture an environment where these activities flourish. Plans are underway for *Magnificent Microbes II*, a repeat of the interactive public science event which received national recognition. *History Cold Case*, the hugely popular BBC2 documentary featuring CLS forensic scientists, is now filming its second series.

## Multiple opportunities through DDU

The internationally renowned Drug Discovery Unit (DDU) at CLS is unique in being the only fully operational and integrated drug discovery group among UK universities.

One of DDU's major impacts is the development of a molecule which cured mice infected with trypanosomiasis - a disease also known in humans as African sleeping sickness.

DDU are now translating early research outputs into commercial opportunities that are generating interest from industry. This has led to the co-development of a proforma collaboration agreement which may provide a template for academic-industry drug discovery projects.

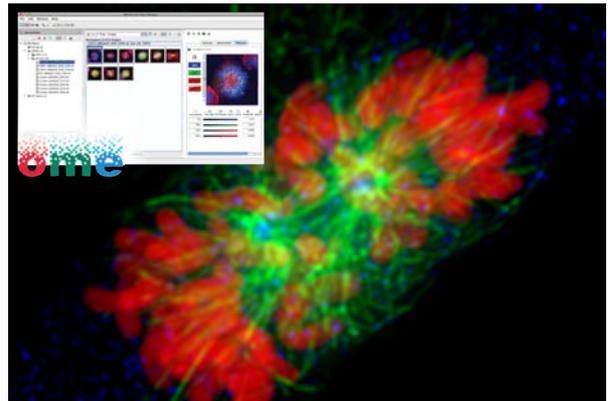


Researchers at the Drug Discovery Unit are translating early research outputs into commercial opportunities

## Sharing image data world-wide

CLS is one of the five international, academic collaborators responsible for the Open Microscopy Environment (OME). OME is an open source tool that enables sharing of standardised biological image data for over 70 image types. The tool has transformed researchers' ability to store, share and access vast amounts of image data generated in laboratories worldwide.

In the future, it is hoped that OME tools will serve as the foundation of a globally centralised repository of image data which will help to accelerate development of research tools and methodologies and facilitate communication and collaboration between scientists around the world.



OME – an open source image-sharing tool being developed through an international collaboration that includes CLS

## Contact

Professor Claire Halpin  
Division of Plant Sciences  
University of Dundee at SCRI,  
Errol Road, Invergowrie,  
Dundee, DD2 5DA



**Website:** [www.lifesci.dundee.ac.uk](http://www.lifesci.dundee.ac.uk)

**Email:** [c.halpin@dundee.ac.uk](mailto:c.halpin@dundee.ac.uk)

**Tel:** +44 (0)1382 568505

BBSRC  
**EXCELLENCE  
WITH IMPACT**  
2011



The BBSRC Excellence with Impact 2011 scheme ran from 2008 to 2010. It was developed to reward and esteem those university departments most active in embedding a culture that recognises and values the achievement of impact alongside excellent research.