

**NEWS RELEASE - FOR IMMEDIATE RELEASE****Date: 05.05.10****Image Attached****-Copy Starts-*****Versatile Dyversity System at Leading European Cancer Research Centre  
Rapidly Analyses Fluorescent and Chemiluminescent Proteins with Ease***

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**Cambridge, UK:** Syngene, a world-leading manufacturer of image analysis solutions, is pleased to announce its Dyversity multi-application image analyser is being used by scientists in The Cancer Research UK Cambridge Research Institute (CRI) at the University of Cambridge, one of Europe's major cancer research hubs, to accelerate the pace of research on proteins and DNA associated with a variety of different cancers.

Researchers at The Cancer Research UK Cambridge Research Institute (CRI) are using a Dyversity system to accurately analyse fluorescent and chemiluminescent Western blots labelled with various Qdot<sup>®</sup>s and ECL respectively. They are also using the system to image agarose gels containing DNA stained with SYBR<sup>®</sup> Safe DNA gel stain. The information from the gels and blots is being used to map genes and proteins associated with cancers and is helping scientists at the CRI to provide data, which could lead to the development of new therapies for these life threatening diseases.

The Dyversity system installed at the CRI contains a high-resolution 16 bit, CCD camera with intelligent control software specifically for chemiluminescence. Additionally, their system has a computer controlled lens that moves simultaneously with the motorised sample stage. This ensures the Dyversity can quickly focus to produce high quality images with perfect contrast, without any of the time consuming trial and error imaging usually associated with capturing images of chemiluminescent blots.

Dr Jane Gray, Senior Scientific Officer at the Cancer Research UK Cambridge Research Institute, said: "Since we have such a diverse range of cancer projects ongoing at the institute we need an imager that offers versatility and flexibility. We saw the Dyversity system at a proteomics meeting and were impressed by the

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**News Release**

***Versatile Dyversity System press release continued.....***

number of different applications it could be used for. We reviewed it alongside another imager and found that the GeneSnap software and iChemi processor were really easy to use, which is why we decided this was the right system for us.”

“Since we installed Dyversity in 2009, everyone has been able to rapidly set the right exposure for their chemiluminescent Westerns and have imaged multiplex fluorescent Westerns with up to two different colours on one image, which has saved us a great deal of time. We also use the system for Safe Imaging of DNA gels and it is sensitive enough to easily detect these bands, so Dyversity has proved to be the perfect imager for our work,” added Dr Gray.

Laura Sullivan, Syngene’s Divisional Manager commented: “At Syngene we spent months developing Dyversity to be simple to use and it is an excellent endorsement when such a prestigious cancer centre is delighted with the system’s performance for so many different fluorescence and chemiluminescence applications. This clearly indicates to researchers who don’t want to spend hours of frustration trying to obtain accurate results that they should look no further than a Dyversity system.”

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**Note to Editors**  
**About Syngene**

Syngene is a world-leading supplier of integrated imaging solutions for analysis and documentation of gel-based information. Syngene's systems are used by more than 10,000 research organisations and over 50,000 individual scientists world-wide and include many of the world's top pharmaceutical companies and major research institutes.

Syngene, founded in 1997 is a division of the Cambridge based Synoptics Group. The Group's other divisions, Syncroscopy and Synbiosis, specialise in digital imaging solutions for microscopy and microbial applications respectively. Synoptics currently employs over 40 people in its UK and subsidiary operation in Frederick, USA.

**About the Cambridge Research Institute**

The Cancer Research UK Cambridge Research Institute is a major new research centre which aims to take the scientific strengths of Cambridge to practical application for the benefit of cancer patients. The Institute is a unique partnership between the University of Cambridge and Cancer Research UK. It is housed in the Li Ka Shing Centre, a state-of-the-art research facility located on the Cambridge Biomedical Campus which was generously funded by Hutchison Whampoa Ltd, Cambridge University, Cancer Research UK, The Atlantic Philanthropies and a range of other donors.

For more information visit [www.cambridgecancer.org.uk](http://www.cambridgecancer.org.uk).