

NEWS RELEASE - FOR IMMEDIATE RELEASE

Date: 27.04.2017

Image Attached

-Copy Starts-

**NEW Fluorescent Peptide Imaging Application of PXi System
Allows German Researchers to Easily Detect Leukaemia Associated Proteins**

Cambridge, UK: Syngene, a world-leading manufacturer of image analysis solutions, is pleased to announce its PXi multi-application imager is being used by scientists at the prestigious Freie Universität Berlin for the new application of imaging fluorescent peptides on Western blots. Using the system is providing the researchers with a simple, sensitive method to detect cancer-linked transcription factors.

In the Institute for Pharmacy at the Freie Universität Berlin in Germany, scientists are using the PXi imaging system fitted with a 4 million pixel CCD camera, for imaging a peptide labelled with 5-carboxyfluorescein to fish out key interacting protein partners to essential transcription factors on Western blots. This drug discovery research may contribute to finding druggable targets for treating leukaemia and other life threatening cancers.

Ee Lin Wong, a Ph.D. student in the Department of Pharmacy explained: "We work with a fluorescent peptide on Western blots but we can't image our results using X-ray film because the fluorescence with this peptide can get so bright that it causes band saturation which over-exposes the film and ruins the results. Then we must start all over again with new film, which takes time and is frustrating."

Ee Lin added: "We chose the PXi because the system is compact, yet is more sensitive than film. This saves time as we can detect the proteins we're looking for without having to keep repeating our fluorescent blots or use extra X-ray film. The best thing about the PXi is that the software is very fast and downloads images we can save to a USB stick in a format we can easily analyse and transfer into a file at exactly the right specifications for publication. This allows us to submit good quality figures more rapidly to scientific journals and is a great feature of the PXi system."

To find out more about the fluorescence imaging capabilities of the multi-functional PXi system, please click here: <http://www.syngene.com/pxi-pxi-touch>

.... more

News Release

...2/ NEW Fluorescent Peptide Imaging Application

“We’re always pleased to hear about new and exciting applications of our imaging technology,” stated Dr Martin Biggs, Sales Manager at Syngene.

“The research at this prestigious German institute shows that the PXi imaging system is an excellent choice for drug discovery scientists looking to access sensitive detection of fluorescent peptides, as well as quickly and easily generate publication-quality formats of their important scientific data.”

-Ends-

For Further Information Contact:

Jayne Arthur, Syngene, Beacon House, Nuffield Road, Cambridge, CB4 1TF, UK.
Tel: +44(0) 1223-727123 Fax +44 (0) 1223-727101
Email: jayne.arthur@syngene.com Web: <http://www.syngene.com/pxi-pxi-touch>
Twitter: @TeamSyngene

Ee Lin Wong, Department of Pharmacy, Freie Universität Berlin, Königin-Luise-Straße 2 + 4, 14195 Berlin, Germany.
Tel: +49 30 838 53281 Email: elwong0101@zedat.fu-berlin.de
Web: www.bcp.fu-berlin.de/en/pharmazie

Editor Contact:

Dr Sue Pearson, Director, International Science Writer, PO Box 170, Hitchin, Hertfordshire SG5 3GD, UK.
Tel/Fax: +44 (0) 1462- 635327 Email: sue.pearson@internationalsciencewriter.com
Web: www.internationalsciencewriter.com Twitter: @IScienceWriter

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 Synoptics Group of the AIM listed Scientific Digital Imaging Company based in Cambridge, UK. The Group’s other divisions, Synbiosis and Synoptics Health, specialise in digital imaging solutions for microbial and clinical applications respectively. Synoptics, which celebrated its 30th anniversary of being in business in 2015, currently employs 40 people in its UK and subsidiary operation in Frederick, USA.

About the Institute of Pharmacy

The Institute of Pharmacy at the Freie Universität Berlin is one of the largest pharmaceutical training facilities in Germany. In Berlin-Brandenburg, the Freie Universität is the only university that has the discipline of pharmacy.

Teaching and research are carried out in the fields of pharmaceutical biology, pharmaceutical chemistry, clinical pharmacy, pharmacology, and pharmaceutical

technology. The institute focuses on drug development and testing, the analysis of natural substances, alternative testing methods, and innovative drug delivery systems.