**9th June 2015**

**Renishaw to present a paper and lead a workshop at this year’s Microscience Microscopy Congress (MMC)**

MMC 2015, incorporating EMAG 2015, is hosted by the Royal Microscopical Society and takes place from 29th June to 2nd July 2015, at the Manchester Central Convention Complex, Manchester, UK.

During this exhibition and conference, Applications Scientist, Dr Katherine Lau, will lead a workshop entitled “Raman confocal microscopic imaging – a powerful label-free tool for life sciences research.” Taking place on Tuesday 30th June at 3:30 p.m., in area 3, it is a fantastic opportunity for delegates to gain a greater understanding of how Raman imaging can simultaneously delineate the chemical and morphological information of biological samples.

On Wednesday 1st July at 10:45 a.m., Katherine will also present a paper during the Imaging Cancer session. The paper “Revealing multiple cellular changes in autophagy-induced and apoptotic MG-63 osteosarcoma cells using label-free Raman confocal microscopic imaging” is co-authored by scientists, Bhagavathi Ramamurthy and Frederick Coffman from the Center for Biophysical Pathology at Rutgers New Jersey Medical School. Katherine’s presentation will demonstrate the use of Raman microscopic imaging (RMI), a label-free information-rich technique, to reveal morphological and chemical changes associated with autophagy and apoptosis in cancer cells.

Visitors to stand 504, will be able to discuss Raman applications, as well as Renishaw’s range of Raman products, including combined techniques, such as AFM-Raman and SEM-Raman. When asked what Renishaw is showing on the stand, Martin Davies, UK Sales Manager, said: “Come and speak to our team about how Raman, coupled with a scanning electron microscope (SEM), gives you chemical structure information from your samples. Raman complements energy-dispersive x-ray spectroscopy (EDS) elemental analysis, giving clear and precise detail of sample defects, stress, polymorph differentiation, crystallographic structure and film thickness.  We would be happy to discuss your research needs and how Renishaw’s Structural and Chemical Analyser can help.”

For further details of Renishaw’s Structural and Chemical Analyser and its application to study a broad variety of samples, please visit [www.renishaw.com/SEMRaman](http://www.renishaw.com/SEMRaman)

Image: Renishaw’s SEM-Raman system

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**About Renishaw**

Renishaw is a world leading engineering technologies company, supplying products used for applications as diverse as jet engine and wind turbine manufacture, through to dentistry and brain surgery. It employs over 4,000 people globally, some 2,600 of which are located at its 15 sites in the UK, plus over 1,400 staff located in the 32 countries where it has wholly owned subsidiary operations.

For the financial year ended June 2014 Renishaw recorded sales of £355.5 million of which 93% was due to exports, the largest markets being the USA, China, Germany and Japan.

The Company's success has been recognised with numerous international awards, including eighteen Queen's Awards recognising achievements in technology, export and innovation. Renishaw received a Queen’s Award for Enterprise 2014, in the Innovations category, for the continuous development of the inVia confocal Raman microscope. For more information visit [www.renishaw.com](http://www.renishaw.com)

### For further information

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