



SORBY NANO  
INVESTIGATION CENTRE

# SORBY NANO NEWS

## Issue 1 - January 2008

Welcome to the 1st edition of Sorby Nano News, the newsletter for the Sorby Nano Investigation Centre. This quarterly newsletter will keep you up to date on news and events that are taking place at the Sorby Nano Centre. In this issue we introduce the centre, explain how your company can access a free microscopy session for businesses in South Yorkshire and inform you how our team of experts that are here to help meet your analysis needs.

Enjoy!

Professor Mark Rainforth, Director of the Sorby Nano Investigation Centre



## Read onto find out about us

At the Sorby Nano Investigation Centre we can offer a full range of cost effective micro and nano scale investigation capabilities. We use the latest microscopy techniques capable of analysing the most demanding materials that will contribute towards any technology, product or service development. At the Sorby Nano Investigation Centre we are ready to solve any of your analysis problems, from a simple test to a complex development – no job is too big or too small for the centre, [click here to read about our work with](#) pharmaceutical company York Pharma.

## A free analysis session for your company....

The Sorby Nano Centre is hosting a drop in session to showcase our expertise and equipment. On **Wednesday 30th January** we will be providing a **free** drop in session for businesses in South Yorkshire, giving you the opportunity for the Sorby Nano Centre, to analyse your samples. You will have unique access to our technical experts to discuss any of your microscopy analytical problems.

[Please click here](#) to pre book



## Did you know?

The Sorby Nano Investigation Centre is named after Henry Clifton Sorby, the 19th century Sheffield scientific pioneer in microscopy and geology.

## We provide...

- Optical & electron microscopy services & expertise
- Cost effective & tailor made solutions to your individual requirements
- High quality results & positive recommendations
- A dedicated team to work with you



Sorby Nano Investigation Centre

[www.sorbynano.org](http://www.sorbynano.org)

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# Sorby Nano Investigation Centre

## Our equipment

The Sorby Nano Investigation Centre is proud to introduce two new pieces of equipment to our extensive suite of microscopes. [Click here](#) to read a detailed equipment list.

The latest to arrive at the Centre is the **Raman Confocal microscope** which offers a powerful non-destructive and non-contact method of sample analysis at the micron scale. We have also have taken delivery of a **Focused Ion Beam (FIB) Electron microscope** that brings new capabilities to material characterisation. This instrument is able to analyse the sample surface and sections through the sample layers.



## The current range of equipment

- 6 Scanning Electron Microscopes
- 5 Transmission Electron Microscopes
- 3 Optical Microscopes
- 1 Electron Microprobe
- 1 X-ray Photoelectron Spectroscopy
- 1 Secondary Ion Mass Spectrometry
- 1 Glow Discharge Optical Emission Spectroscopy
- 1 Scanning Probe Microscope
- Assorted sample preparation equipment

Top left: The Raman Confocal microscope  
Below left: The Focused Ion Beam microscope

## Meet the team

The centre has a dedicated team of experts to ensure an effective delivery of service, to see the entire team [please click here](#)

### Professor Mark Rainforth

Mark is the Director of the Sorby Nano Investigation Centre. Mark is an international expert in material science and engineering.

### Dr. Martin Highett

Martin is the Centre Manager. Martin is available to discuss how we can company in undertaking all types of microscopy analysis work

### Dr. John Hinton

John is our Research and Development Officer. John's analysis expertise is in metals, alloys and advanced materials.

### Dr. Wei Huang

Wei is our Experimental Officer. Wei's analysis capability is in biological, environmental and energy research at the micro scale.

## A big well done to...

The centre sponsored the annual North Campus scientific image competition. [Click here](#) to see the wining images, who each won a £50 Waterstones voucher!

Congratulations to our own Dr. John Hinton & Dr. Wei Huang who were both winners of the competition.

## Our address

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## Contact us

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