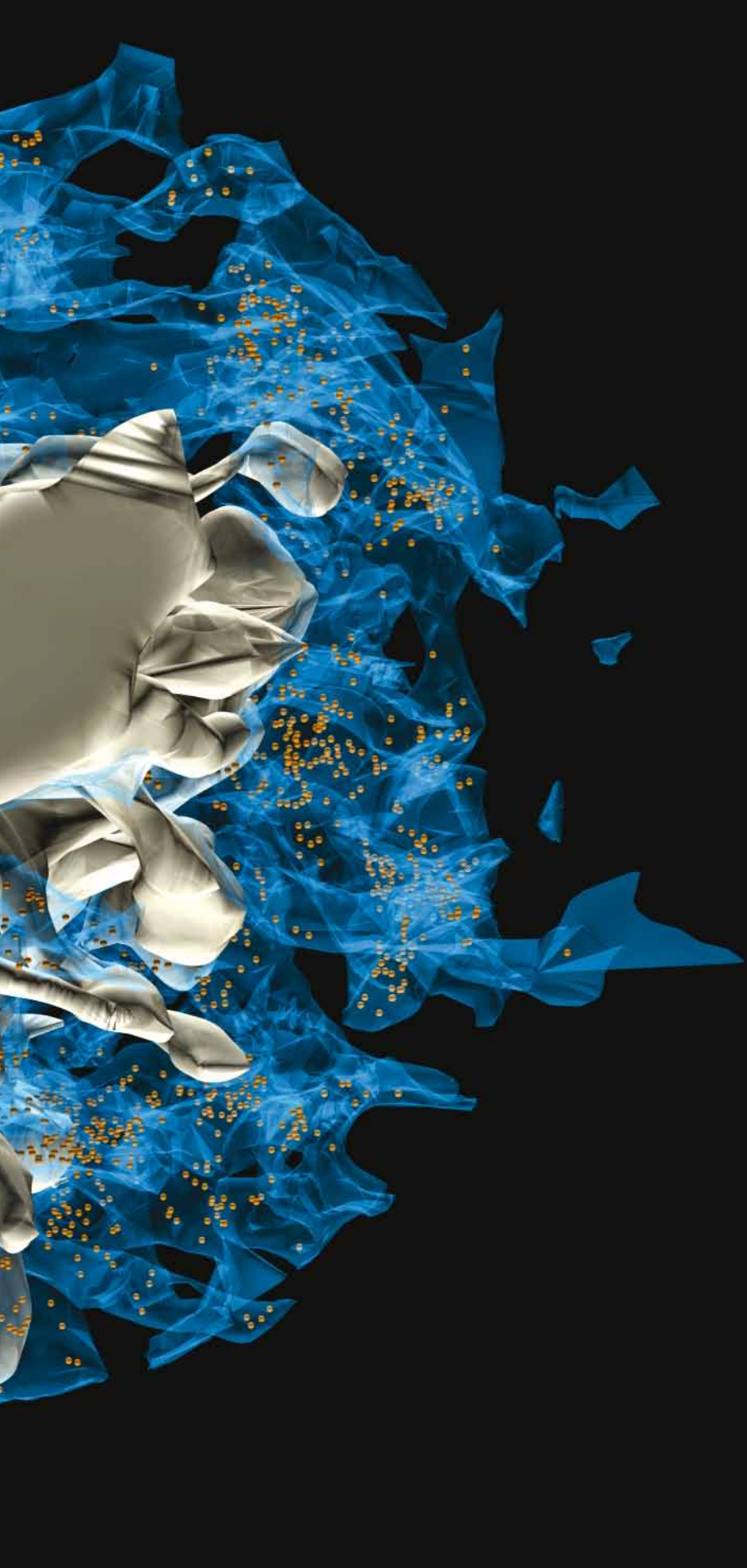




RMS International Micrograph Competition 2010

The standard of entries for the 2010 RMS International Micrograph Competition was quite stunning. The competition was a huge success, with judge Dr. John Hutchison describing this year's competition as "the best ever, in terms of entries and prizes".



With more than 130 micrographs submitted, our judges (Prof. Chris Hawes, Dr. Hutchison and Dr. Martin Friedrich) were hard pressed to make their final shortlist of 52 which were on display as part of the exhibition at **MICROSCIENCE 2010**. The judges then had an even more difficult time deciding which micrographs would be awarded 1st, 2nd and 3rd prizes in the four entry categories.

Dr. Hutchison said: "The Micrograph Competition continues to grow and is now firmly established as the competition for microscopists of all ages and stages. Almost all of this year's entries were truly stunning, giving the judges a very difficult task in choosing the short-list for displaying at **MICROSCIENCE**. The final selection of prize-winning micrographs was even harder, with little to separate the winners from the others. The superb quality of the entries was matched by the amazing array of prizes on offer, thanks to our generous sponsors."

As with previous years, the competition was strongly supported by companies exhibiting at **MICROSCIENCE 2010**. A wide variety of prizes were generously donated by a number of companies keen to be involved and included an iPad, a diamond, an iPod Nano, several digital cameras and cash prizes.

We would like to thank the following companies for their involvement: Agar Scientific Ltd, Andor Technology, Diatome Ltd, FEI, Hitachi High-Technologies, JEOL, Leica, Olympus, Quorum Technologies and Scientific Volume Imaging.

Submissions were divided into four categories – EM Life, EM Materials, LM Life and LM Materials, with three prizes awarded in each category.

The competition concluded at lunchtime on Wednesday 30th June with a prize giving ceremony in the Micrograph display area at **MICROSCIENCE**.

The winning images, along with sponsoring companies and winners details can be found on the following pages.

For further information regarding the RMS Micrograph Competition, please contact Jill Wilson at the RMS office (jill@rms.org.uk).

Electron Microscopy

LIFE



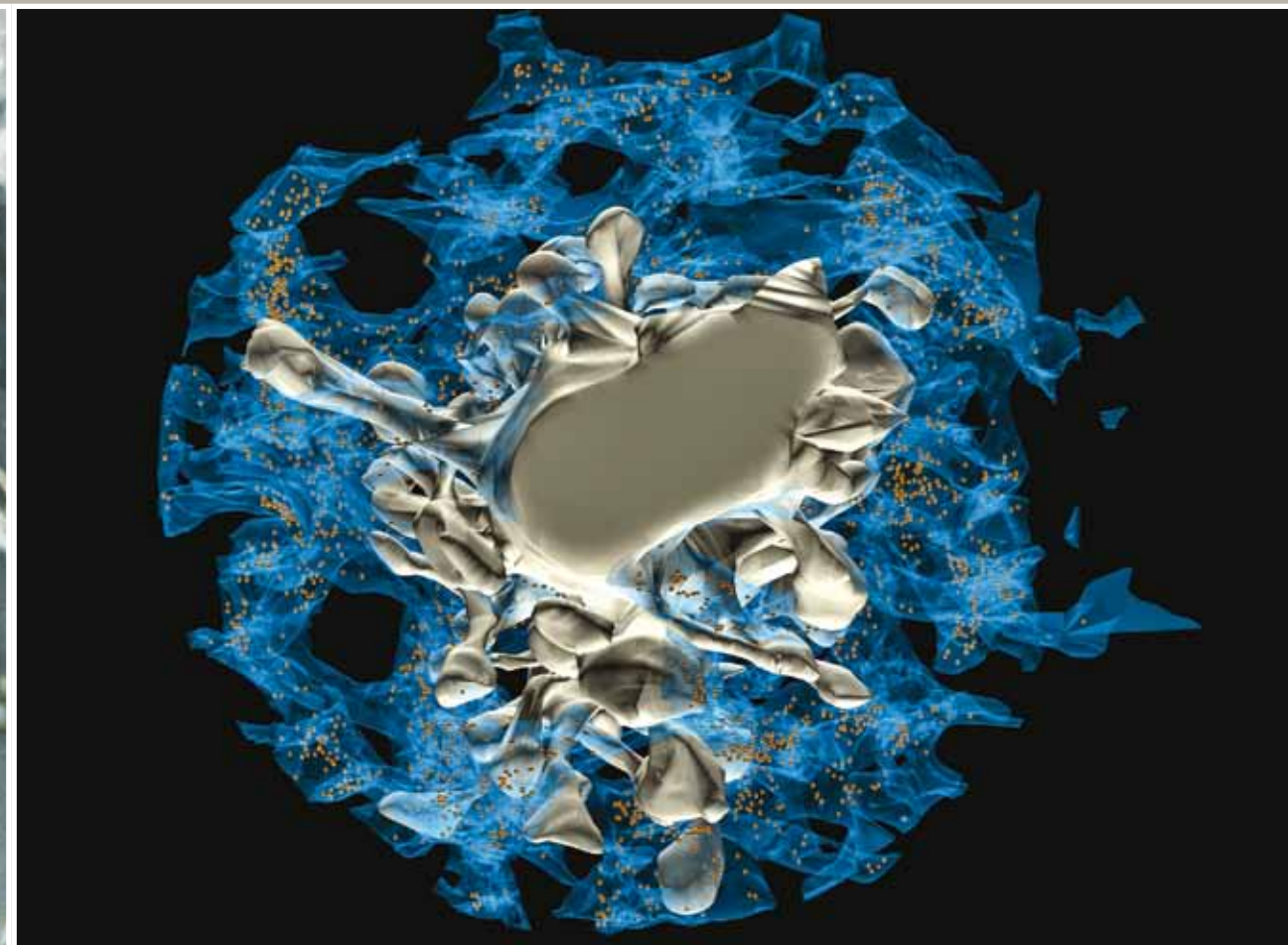
1st place in the EM Life category was awarded to Amanda Wilson (King's College London) for her three-dimensional computer model showing part of the intercalated disc, the undulating double membrane that separates adjacent cardiomyocytes.



www.svi.nl



Amanda won a Huygens Essential License, donated by Scientific Volume Imaging.



2nd place in the EM Life category was awarded to Ken Blight (Cancer Research UK) for his micrograph of a fruitfly compound eye.

ANDOR™
TECHNOLOGY
discover new ways of seeing™
www.andor.com



Ken (left) won an 8GB iPod Nano, donated by Andor Technology.

3rd place in the EM Life category was awarded to Josef Spacek (Charles University Prague) for his micrograph entitled "Dendrite".

Agar
SCIENTIFIC

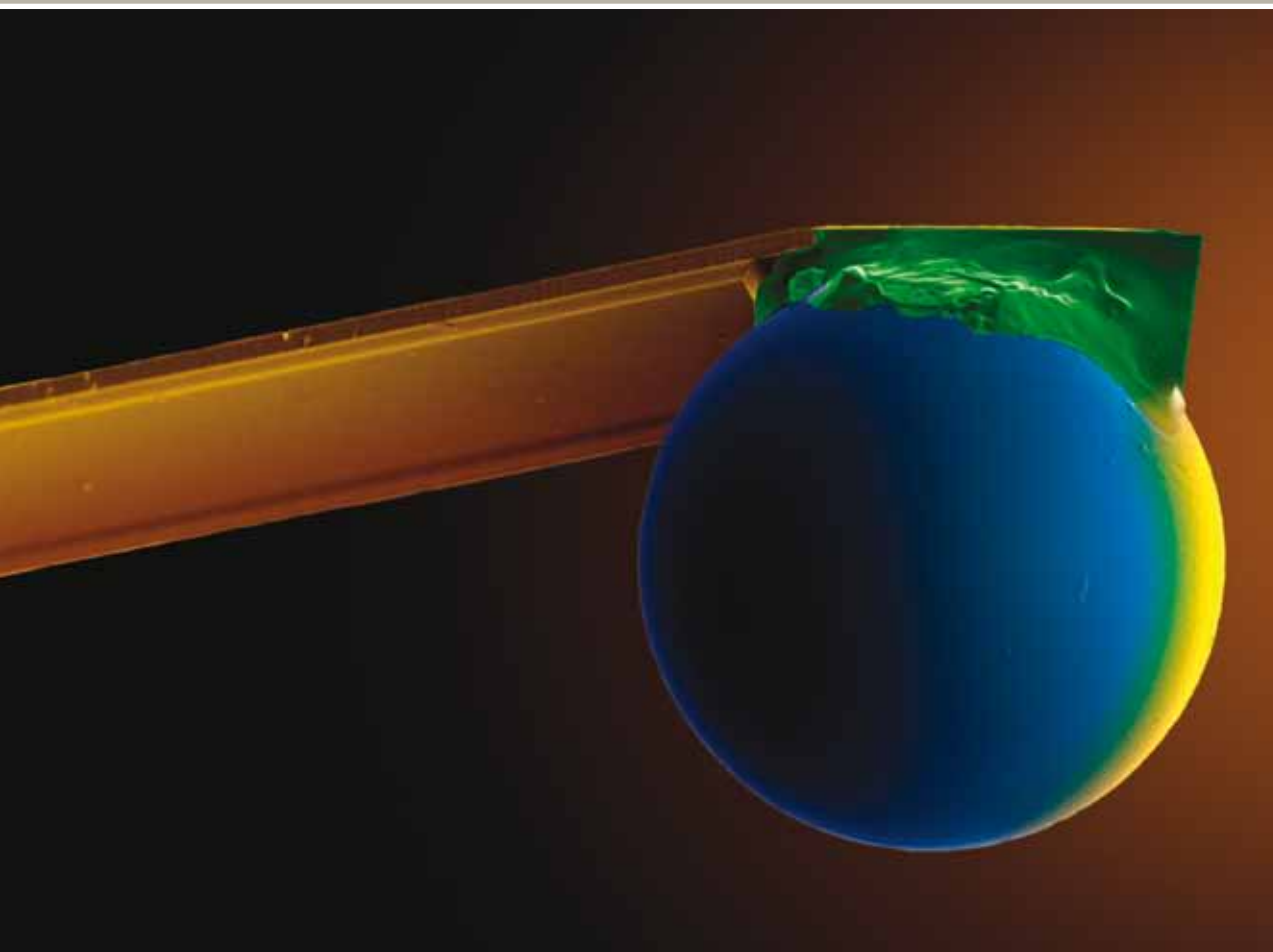
www.agarscientific.com



Josef won £100, donated by Agar Scientific.

MATERIALS

Electron Microscopy



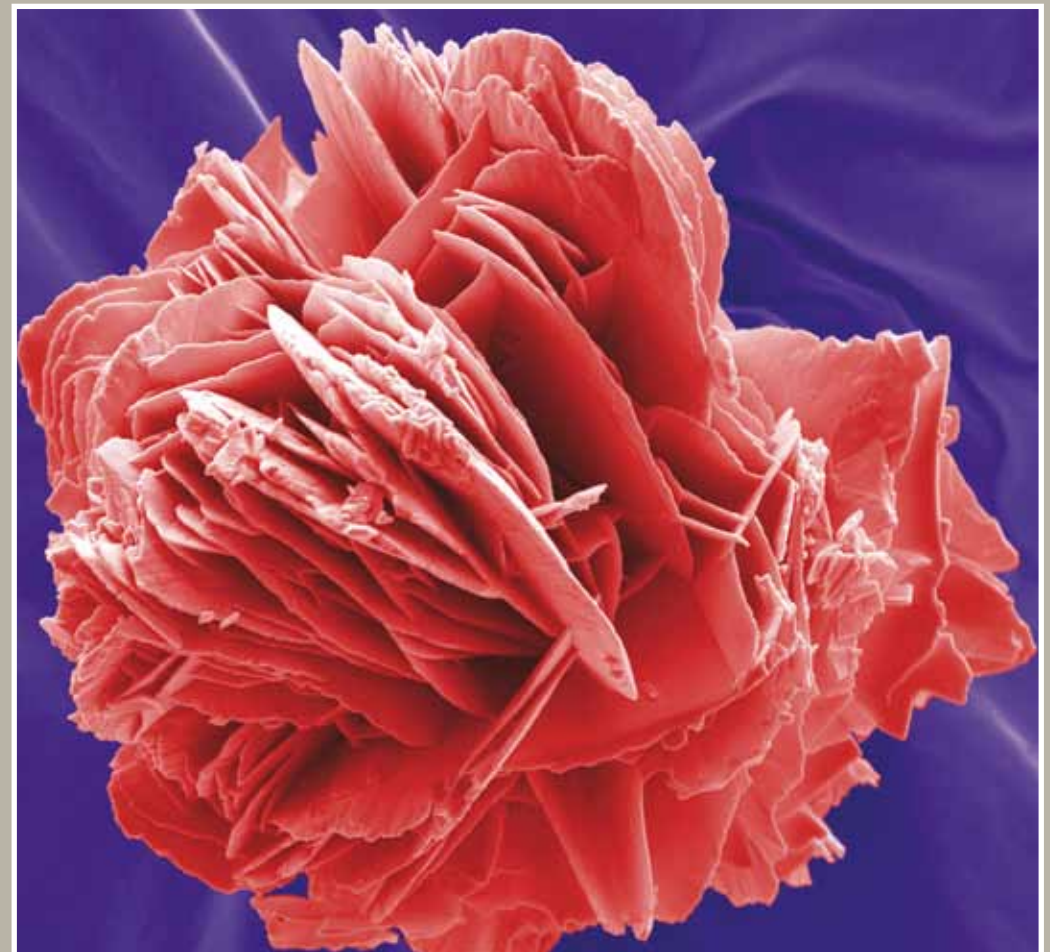
1st place in the EM Materials category was awarded to Paul Gunning (Smith & Nephew Research Centre) for his SEM micrograph of a polymer bead attached to a silicon-nitride cantilever.

DIATOME

www.diatome.ch



Paul (left) won a diamond, donated by Diatome Ltd.



2nd place in the EM Materials category was awarded to Ken Png (Queen Mary University of London) for his micrograph entitled "A Rose".



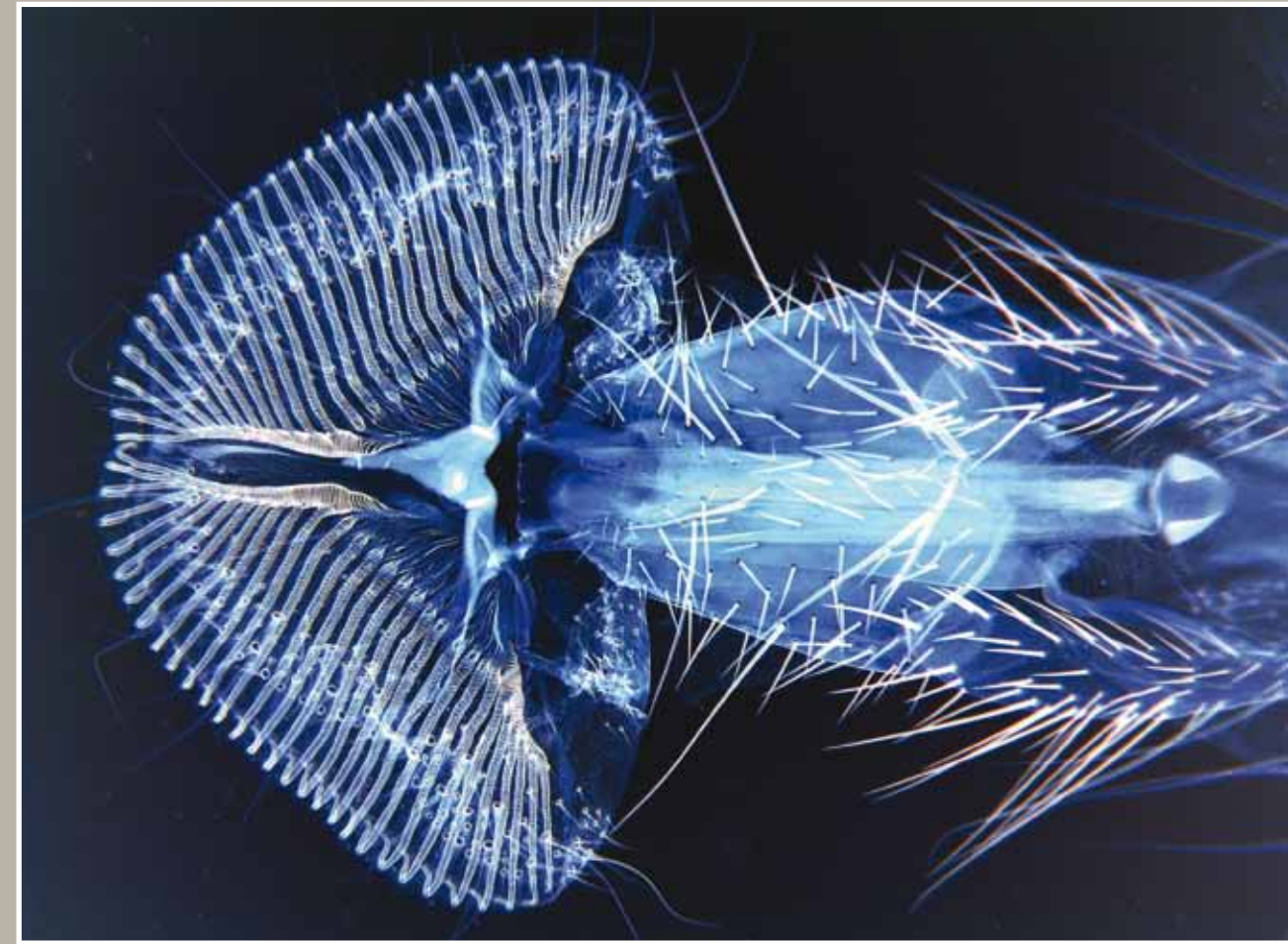
www.rms.org.uk



Ken (left) won a digital photograph frame, donated by the RMS.

Light Microscopy

LIFE



3rd place in the EM Materials category was awarded to Jonathan Ogden (e2v technologies) for his SEM micrograph showing structural modifications of a thermocompression gold ball bond.



www.rms.org.uk



Jonathan (left) won £50, donated by the RMS.

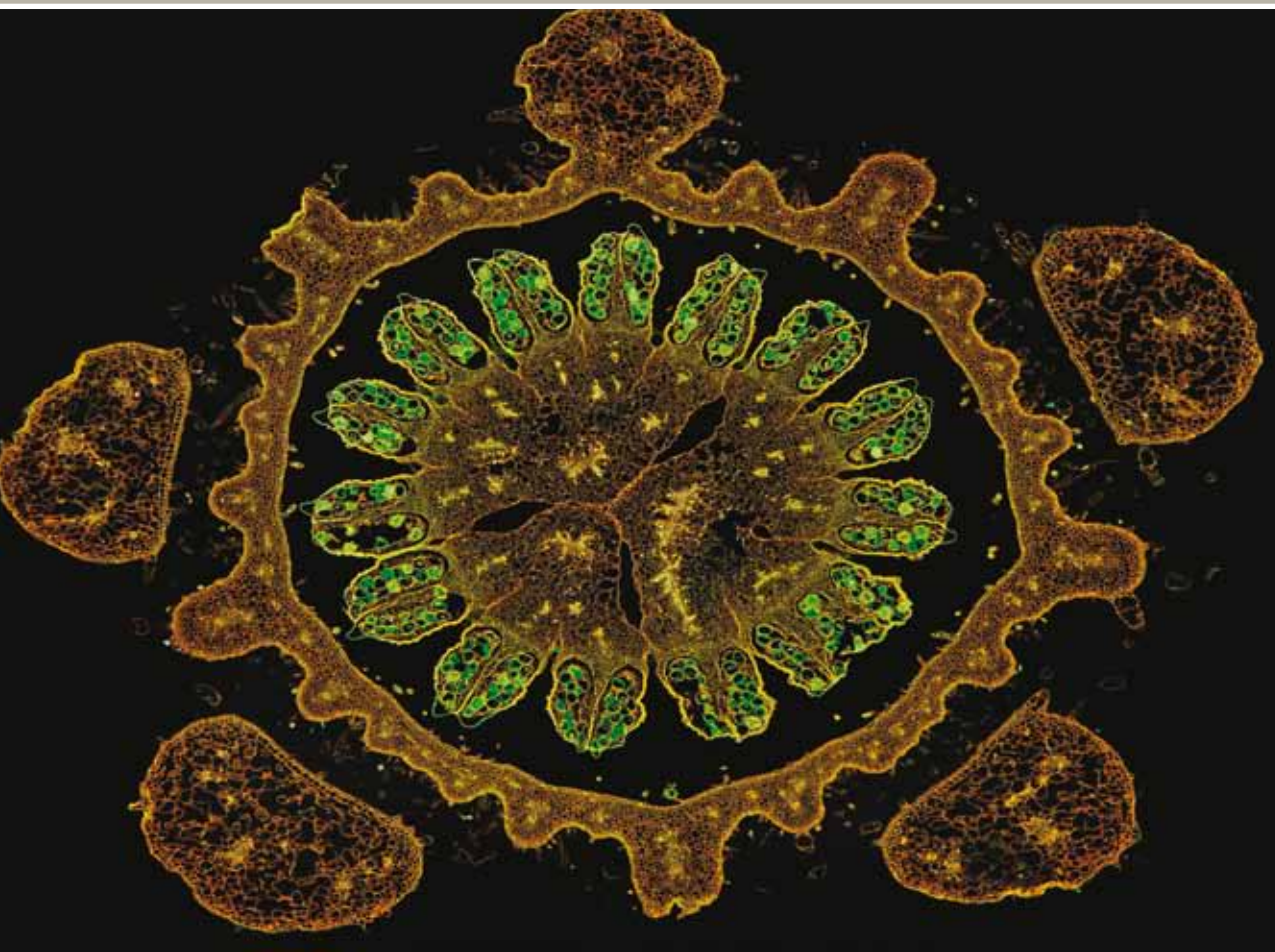
1st place in the LM Life category was awarded to Michael Gibson (Northamptonshire Natural History Society) for his micrograph of the proboscis of a blowfly



www.fei.com



Michael (left) won an iPad, donated by FEI.



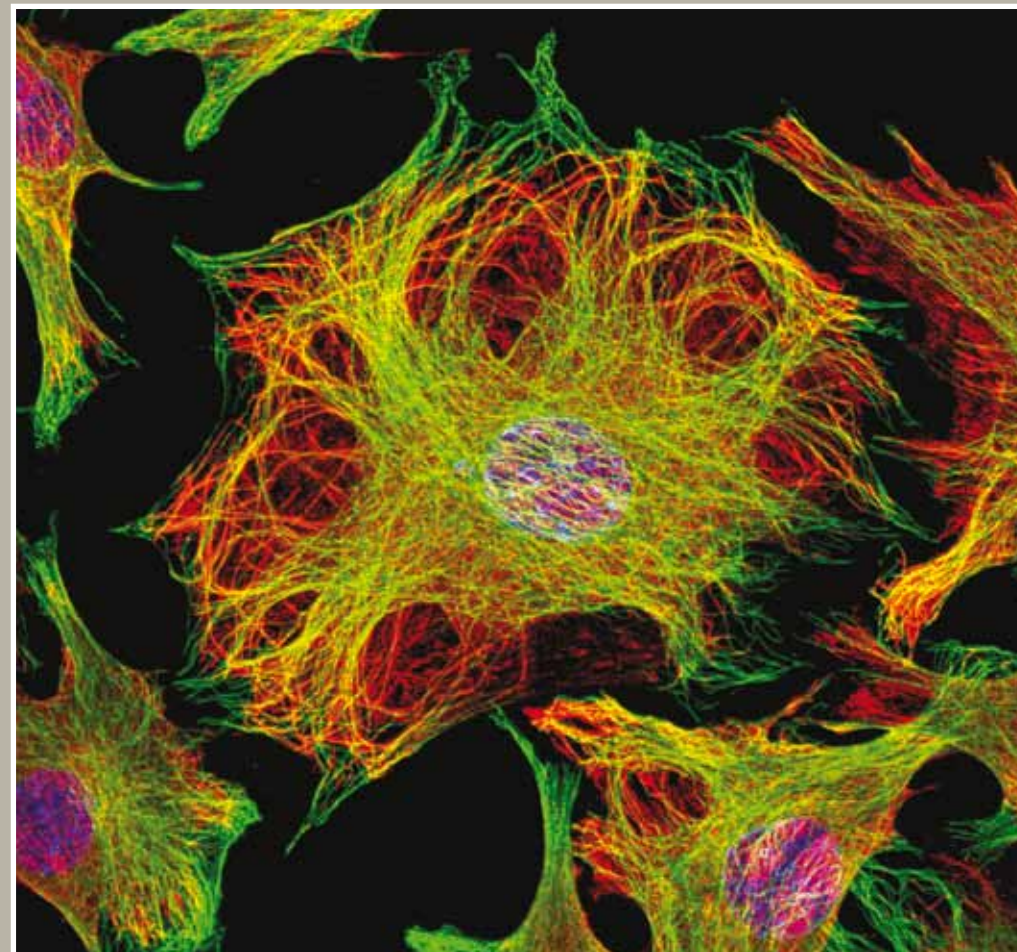
2nd place in the LM Life category was awarded to Harold Taylor for his Darkfield photomicrograph entitled "Marrow Cucurbita flower bud TS".

Leica

www.leica-microsystems.com



Harold won a Leica camera, donated by Leica.



3rd place in the LM Life category was awarded to David Robertson (Breakthrough ICR) for his entry entitled "Cytoskeleton".



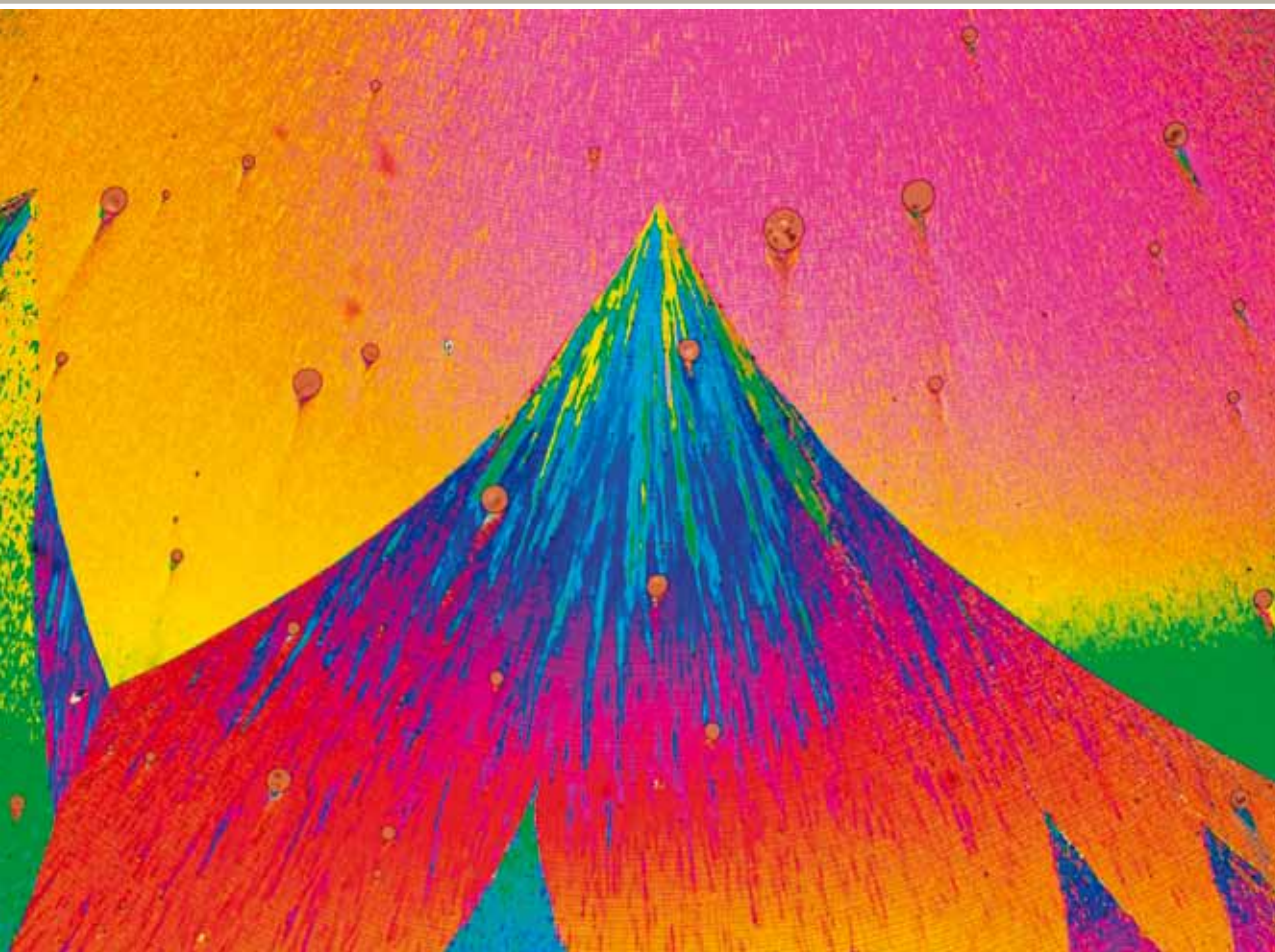
www.jeoluk.com



David (right) won £100, donated by JEOL.

MATERIALS

Light Microscopy



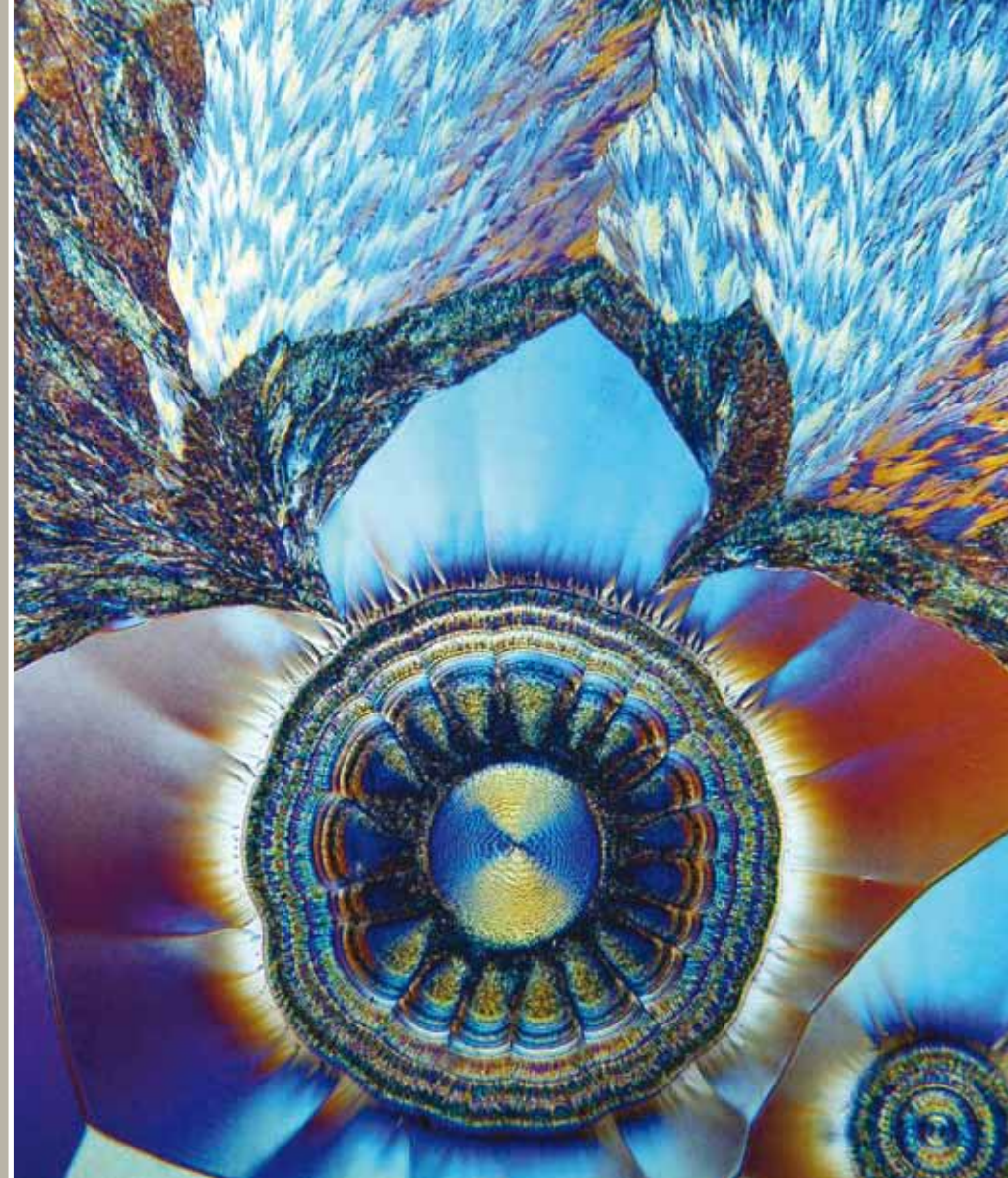
1st place in the LM Materials category was awarded to Karl E. Deckart for his micrograph entitled "Phenyl Imidazol".



Karl won a digital SLR camera, donated by Quorum Technologies.



www.quorumtech.com



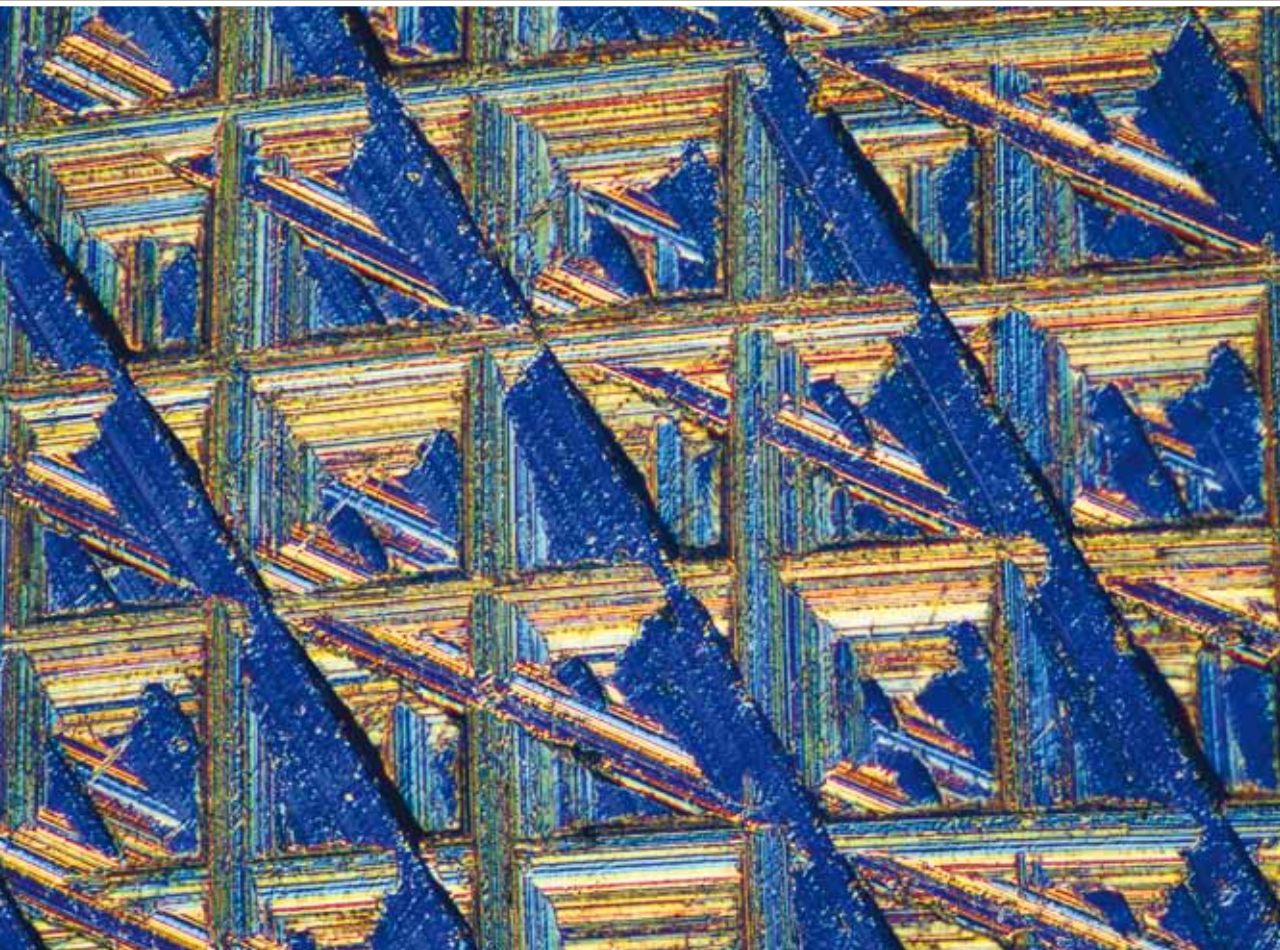
2nd place in the LM Materials category was awarded to Michael Much for his micrograph of Ascorbic Acid crystals photographed by cross-polarization.



Michael won an Olympus camera, donated by Olympus.



www.olympus.co.uk



3rd place in the LM Materials category was awarded to Karl E. Deckart for his entry entitled "Roughly Milled Aluminium Surface".



www.hitachi.co.uk



Karl won a portable hard drive, donated by Hitachi High-Technologies.