

May 2002

The Centre for Electron Microscopy & MicroStructure Analysis
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C E M M S A

VISION STATEMENT

CEMMSA is committed to providing an ongoing customer focused service offering a world-class facility that houses the latest technologies in microscopy.

Diary Dates

MAY Mon 27—Seminar on X-ray Microtomography

Director's Say

The shift in the future funding model for CEMMSA from DVC(R) operational to a subsidy from IGS means that we will be under more scrutiny to reduce the subsidy. All researchers planning to use CEMMSA should factor the cost into their grant applications.

For pricing and quoted estimations relating to grants and consulting assignments please contact linda.olssen@adelaide.edu.au

Staff Update

CEMMSA has undergone some changes in the last year or two. Our comprehensive team is assembled by a diverse range of experience and knowledge.

John Terlet—Director

Peter Self—Senior Electron Microscopist

Meredith Wallwork—Senior Microscopist

Angus Netting—Electron Microscopist

Lyn Waterhouse—Electron Microscopist

Linda Olssen—Administrative Officer/Lab Technician

"I was mightily impressed with your electron microscopy facility. Your collection of instrumentation is impressive, one of the best I've visited. I was especially appreciative of the attentiveness of the staff and their willingness to go the extra mile."

Sara E. Miller, Ph. D.
Associate Clinical Professor of Pathology
Associate Research Professor of Microbiology
Director, Electron Microscopy Laboratory
Duke University Medical Center

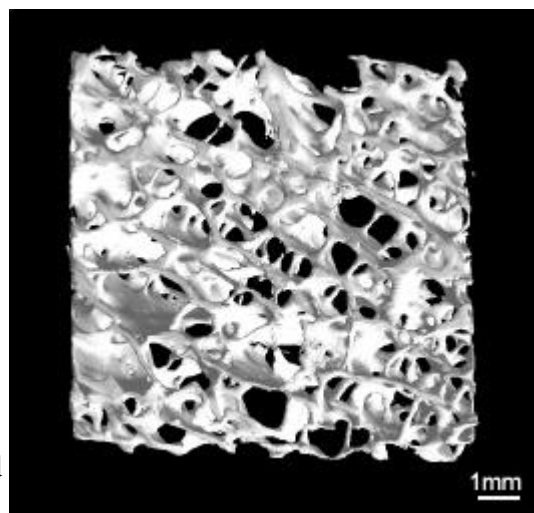
X-ray Microtomography SEMINAR

Find out all about this recently installed system, the Skyscan Micro-CT. John Terlet, Director of CEMMSA, will give an informative seminar on the different applications we have sampled.

The seminar will be held at
The University of Adelaide
Stirling Lecture Theatre
Medical School South, Ground Floor
Monday 27 May 2002 at 1:10pm.

ALL WELCOME!

For information regarding the manufacturer, instrument specifications and a picture of the first one of its kind in Australia visit the Skyscan website at www.skyscan.be



3-D reconstruction of 1mm thick segment of thigh bone from a 70 year old woman

Confocal Microscopy is an exciting and powerful technique for imaging optical sections through a fluorescent specimen, free of background glare.

The **Confocal Microscope Facility**, established in January 1994, is now part of CEMMSA. The cooperative organisations involved in its establishment are: The University of Adelaide, Flinders University, The University of South Australia, CSIRO and The Institute of Medical and Veterinary Science.

Dr Meredith Wallwork continues to service the needs of the confocal users at the Waite Campus in the department of HVO where the facility is currently located and also spends some time at CEMMSA (North Terrace).

Dr Wallwork is happy to provide advice on confocal applications and new users receive a free introductory session on the microscopes. Regular users who become competent in the operation of this equipment attract a reduced hourly rate.

Enquires and bookings for the confocal and multi-photon microscopes should be directed to Dr Wallwork on 8303 5623, or meredith.wallwork@adelaide.edu.au

OH&S Issues

As a few of you may be aware the University is undergoing an audit of all its health and safety procedures especially in laboratories. It is our duty also to inform visitors of our Safety

Officers. They are...

Fire Warden - Angus Netting

Health & Safety Officer - Lyn Waterhouse

First Aid Officers - Angus Netting & Meredith Wallwork

EQUIPMENT FEEDBACK

EBSD, Electron Backscatter Diffraction now available! The Philips XL30 FESEM is now equipped with a new technique that is accurate, easy-to-use and widely applicable for a range of microstructural analyses. The general fields most suited to this technique are Metallurgy, Electronics and the Earth sciences. Three staff members have been trained in its operation and software functions. For further information and applications contact Linda at Email: linda.olssen@adelaide.edu.au

Publications

Pound, L.M., **Wallwork, M.A.B.**, Potts, B.M. and Sedgley, M. (2002) Early Ovule Development Following Self- and Cross-pollinations in *Eucalyptus globulus* Labill. Ssp. *Globulus*. *Annals of Botany* 89: 613-620.

Pound, L.M., **Wallwork, M.A.B.**, Potts, B.M. and Sedgley, M. (2002) Self-incompatibility in *Eucalyptus globulus* ssp. *Globulus* (Myrtaceae). *Australian Journal of Botany* (in press).

If you would like to promote an upcoming meeting, a book or your latest publication relating to microscopy and would like to have it listed here send your details to linda.olssen@adelaide.edu.au

We are also very keen to receive reprints of any papers you have published out of CEMMSA.

Press Release



On January 30 2002 the Advertiser published an article regarding our new 3-D microscope.

The article also promoted the 17th Australian Conference on Electron Microscopy which was held here in Adelaide in the first week of February 2002.

Call in for a free discussion with our experienced team on your new ideas and application needs.

Or telephone Linda on 8303 5855 or email linda.olssen@adelaide.edu.au