

## Image Analysis in Cellular Bioscience

One Day BMVA symposium at the Royal Statistical Society, 12 Errol Street,  
London, UK on April 30<sup>th</sup> 2003.

**Chairs:** Dr Jim Graham, Dr Patrick Courtney

10:00 **Registration and coffee**

10:25 **Welcome and introduction (EPSRC)**

10:30 **Automated analysis of cervical smears: role of image analysis and clinical trial**

D. Colman, Imperial College, London

11:00 **Extracting cell walls from onion epidermis cell images**

A. Lee, B. Piggott, R. Aldridge, M. Fisher, UEA, Norwich

11:25 **A quantitative evaluation of colour image segmentation methods and colour spaces**

V. Toh, A.J. Gray and C.A. Glasbey

University of Strathclyde, Glasgow, Biomathematics and Statistics Scotland, Edinburgh

11:50 **Towards automated image analysis for Direct Epifluorescent Filter Technique**

M.S. Prieto, A.R. Allen and T.M. Sheen, University of Aberdeen

12:15 **Image Analysis of Porcine Embryos**

P. J. Stokes, R. D. Tillett and H. J. Leese, University of York and Silsoe Research Institute

12:40 **Lunch**

13:40 **Automatic segmentation of overlapping nuclei with high background variation using robust estimation and flexible contour models**

W.F. Clocksin, Oxford Brookes University

14:10 **Multi-dimensional Confocal imaging**

Fedja Bobanovic, Perkin Elmer Life Science, Cambridge UK

14:40 **Statistical Spot Models for Objective Evaluation of 2-DE Gel Analysis**

M. Rogers, J. Graham and R.P. Tonge University of Manchester and AstraZeneca, Cheshire

15:10 **Tea**

15:30 **DIADIST - Diatom and Desmid Identification by Shape and Texture**

Y.A.Hicks, A.D.Marshall P.L.Rosin, R.R.Martin S.Droop, D.G.Mann

University of Cardiff and Royal Botanic Garden Edinburgh

16:00 **Informatics and Quantitative Analysis in Biological Imaging**

J. R. Swedlow, I. Goldberg, E. Brauner and P.K. Sorger,

University of Dundee, NIH, Harvard Medical School and MIT

16:45 **Closing remarks and finish**

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### **REGISTRATION FORM: 30 April 2003 Meeting**

Please return this form to Leanne Pring, Royston Parkin, 95 Queen Street, Sheffield, S1 1WG, Tel 0114 272 0306, Fax 0114 272 6158 or via email to [BMVA@roystonparkin.co.uk](mailto:BMVA@roystonparkin.co.uk). The meeting is free to members of the BMVA but a charge of £20 is payable by non-members. A sandwich lunch is available at a cost of £5 and should be booked in advance. When registering please enclose a cheque for the appropriate amount made payable to "The British Machine Vision Association".

NAME: .....

ADDRESS: .....

TEL: ..... BMVA MEMBER: YES/NO

email: ..... LUNCH: YES/NO

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