



Southampton University Hospitals

Advances in Laser Scanning Cytometry

This symposium will address the most important aspects of quantitative imaging cytometry techniques and areas of application for life science research, drug discovery and clinical research.

Date: Thursday, October 27, 2005

Place: Southampton General Hospital, *Southampton, UK*
Lecture Theatre 1
B Level, South Academic Block

9.15 – 9.45 Registration

9.45 – 10.00 Welcome—Dr. David Rew, Southampton University Hospitals

10.00 – 12.30 **SESSION I: ADVANCES IN LASER SCANNING CYTOMETRY**

10.00 – 10.30 "Laser Scanning Cytometry in the Detection of Circulating Tumour Cells – Lila Zabaglo, Department of Biochemistry, Royal Marsden Hospital, London

10.30 – 11.00 "Analysis of Immune Responses by LSC" – Angela Grierson, Department of Immunology, Western Infirmary, University of Glasgow

11.00 – 11.30 "Laser Scanning Cytometry in the Study of Respiratory Disease" – Gerrit Woltmann, Consultant Chest Physician, Leicester University Hospitals

11.30 – 12.00 "Detection of Cell Cycle Arrest by Laser Scanning Cytometry" – Alois Hodel, Syngenta

12.00 - 12.45 **BUFFET LUNCH**

12.45 – 13.45 **KEYNOTE ADDRESS:**

"Assessment of DNA Damage in Relation to Cell-Cycle Phase and Apoptosis by Cytometry" - Zbigniew Darzynkiewicz, Brander Cancer Research Institute, New York Medical College, Valhalla, New York

13.45 – 15.45 **SESSION II: NEW DEVELOPMENTS IN LASER SCANNING CYTOMETRY**

13.45 – 14.45 "Latest Advances in Laser Scanning Cytometry: iCyte, iCys, and iColor" – Ed Luther, CompuCyte Corporation

14.45 – 15.15 "Cytometric Biomarkers of Therapeutic Response" - Katharina Pachmann, Friedrich-Schiller University, Jena, Germany

15.15 – 15.45 "Looking at Old Colours with New Lights: Applying Laser Scanning Cytometry to Diagnostic Cytopathology, Histopathology and Hematopathology" – William Geddie, University Health Network, Toronto, Canada

15.45 – 16.00 Break

16.00 – 17.00 **KEYNOTE ADDRESS:**

"Use of the iCyte® Laser Scanning Cytometer for Enhanced High-Content Cellular Analysis" – Stephan Ruetz, Novartis

Demonstration of iCys® Research Imaging Cytometer: Instrument is available for demonstration throughout the day. Participants wishing to bring specimens for sample analysis must make prior arrangements as indicated below.

RSVP by October 20 using the registration form provided here and fax it to +1.617.577.4547, or register at www.compucyte.com

Seating is limited and therefore registration is required.

Participants wishing to bring specimens for sample analysis on the iCys® Research Imaging Cytometer must make prior arrangements by contacting Ed Luther (email: eluther@compucyte.com).

Directions: <http://www.soton.ac.uk/AbouttheUniversity/Southamptongettinghere/SouthamptonGeneralHospital>