

**Scientific Agenda for the Joint Meeting of the  
Great Lakes International Flow Cytometry Association  
and the South Central Flow Cytometry Association  
October 1 - 3, 1993**

**Friday Evening Oct. 1**

8:00 - 11:00 PM      **Reception**, Open Bar 8 - 10 PM (Exhibit/ Poster Area)  
Sponsored by Coulter Corporation and  
Coulter Electronics of Canada

**Saturday Oct. 2**

7:30 - 9:00 AM      Breakfast in Exhibit/ Poster Area  
(Café, Common, Board and Michigan Rooms)

**Plenary Session I** - Functional Studies (Woodward Room)  
Maurice O’Gorman, David Hedley.... Chairs

9:00 - 9:20          Glutathione Chemistry in Flow Cytometry - David Hedley

9:20 - 9:40          Flow Cytometric Analysis of Cell-Mediated Cytotoxicity -  
Thomas M. Ellis

9:40 -10:00        Clinical Utility of the Analysis of Cytokines and Their Receptors by  
Flow Cytometry - Daniel Collins

10:00 - 10:20      Flow Cytometric Analysis of TCR Variable Regions in HIV Disease -  
Phillip McCoy

10:20 - 11:10      Coffee Break PharMingen

11:10 - 11:30      Neutrophil Function Studies in Pediatrics - Maurice R. G. O’Gorman

11:30 - 11:50      Flow Cytometric Measurements of Tumor Resistance -Awtar Krishan

11:50 - 12:10      PCR in situ by Flow Cytometry - Bruce Patterson

12:10 - 1:30 PM    Box Lunch and Poster Viewing (Exhibit/ Poster Area)

**Plenary Session II** - Hematology/ Oncology (Woodward Room)  
Carleton Stewart.... Chair

1:30 - 2:00          Multi-Parametric Cytometry of Prostate Cancers-Vincent Shankey

2:00 - 2:30          Nuclear and Cytoplasmic Markers for Solid Tumors -  
Jim Jacobberger

2:30 - 3:00          Leukemia Lymphoma Phenotyping - Denise Wells

3:00 - 3:30          Multidrug Resistance in Leukemia- Hans Minderman

3:30 - 4:00 Apoptosis in Erythropoietin-Deprived Proerythroblasts Occurs  
During G1 and S Phases of the Cell Cycle and Does not Require Growth  
Arrest - Linda Kelley

4:00 - 4:30 Coffee Break by CalTag

**Presidential Symposium:** (Woodward Room)

4:30 - 4:45 Measurements of Fluorescence in situ Hybridization (FISH) Domains  
in Interphase Nuclei Using a New Interactive 3-Dimensional Image  
Analysis System - Stefan Burde, Graduate Student

4:45 - 5:00 A Flow Cytometric Study of Doxorubicin Induced DNA Degranulation  
in Murine Thymocytes - Gintaras Zaleskis, Post Doc

5:00 - 5:15 Gluthione Synthesis as a Possible Drug Resistance Marker in Normal  
and Malignant Tissue - Sue Chow, Technician

5:15 - 5:30 Evaluation of c-FGR mRNA Expression Based on Bromodeoxyuridine  
Quenching of Hoechst 33342 Fluorescence: A Means of Sorting Cells  
at Specific Points in the Cell Cycle - Mary Riedy, Pre Doc

5:30 - 6:30

**Poster Discussion Workshops**

Topics: Instrumentation	Café Room
DNA	Michigan Room
Immunophenotyping	New Center Room
Cellular & Molecular Biology	Board Room

7:30 - 12:30 AM **Reception and Banquet**, Open Bar from 7:30 - 8:00 PM  
(Woodward Room) Sponsored by Becton Dickinson

**Sunday Oct 3**

7:30 - 9:00 AM Breakfast in Exhibit/ Poster Area

**Plenary Session III** - Instrumentation (Woodward Room)  
James Leary, Paul Robinson... Chairs

9:00 - 10:00 New Developments in Commercial Flow Cytometry Instrumentation-

10:00 - 10:30 Coffee Break by Ortho Diagnostic Systems

10:30 - 11:55 Flow and Image Technology

A. Introduction

B. Sorting Cells -

new possibilities, old constraints and practical hints.

C. Multiparameter Data Analysis Techniques - new and old

D. Flow and Image Cytometry - complementary technologies

11:55 - 12:00 PM Closing comments and adjournment of meeting - Carleton Stewart

N.B. A brunch (pay your own) will be available in the restaurant after 12PM.

## **Plenary Session I - Functional Studies**

Maurice O’Gorman, David Hedley.... Chairs

- 9:00 - 9:20 Glutathione Chemistry in Flow Cytometry - **David Hedley**
- 9:20 - 9:40 Flow Cytometric Analysis of Cell-Mediated Cytotoxicity -  
**Thomas M. Ellis**
- 9:40 - 10:00 Clinical Utility of the Analysis of Cytokines and Their Receptors  
by Flow Cytometry - **Daniel Collins**
- 10:00 - 10:20 Flow Cytometric Analysis of TCR Variable Regions in HIV Disease-  
**Phillip McCoy**
- 10:20 - 11:10 **Coffee Break PharMingen**
- 11:10 - 11:30 Neutrophil Function Studies in Pediatrics -  
**Maurice R. G. O’Gorman**
- 11:30 - 11:50 Flow Cytometric Measurements of Tumor Resistance -  
**Awtar Krishan**
- 11:50 - 12:10 PCR in situ by Flow Cytometry - **Bruce Patterson**

## **Plenary Session II - Hematology/ Oncology**

Carleton Stewart, Greg Stelzer... Chairs

- 1:30 - 2:00 Multi-Parametric Cytometry of Prostate Cancers-**Vincent Shankey**
- 2:00 - 2:30 Nuclear and Cytoplasmic Markers for Solid Tumors -  
**Jim Jacobberger**
- 2:30 - 3:00 Leukemia Lymphoma Phenotyping - **Greg Stelzer**
- 3:00 - 3:30 Multidrug Resistance in Leukemia- **Hans Minderman**
- 3:30 - 4:00 Apoptosis in Erythropoietin-Deprived Proerythroblasts Occurs  
During G1 and S Phases of the Cell Cycle and Does not Require  
Growth Arrest - **Linda Kelley**
- 4:00 - 4:30 **Coffee Break by CalTag**

## **Presidential Symposium:**

- 4:30 - 4:45            Measurements of Fluorescence in situ Hybridization (FISH) Domains in Interphase Nuclei Using a New Interactive 3-Dimensional Image Analysis System - **Stefan Burde**, Graduate Student
- 4:45 - 5:00            A Flow Cytometric Study of Doxorubicin Induced DNA Degranulation in Murine Thymocytes - **Gintaras Zaleskis**, Post Doc
- 5:00 - 5:15            Gluthione Synthesis as a Possible Drug Resistance Marker in Normal and Malignant Tissue - **Sue Chow**, Technician
- 5:15 - 5:30            Evaluation of c-FGR mRNA Expression Based on Bromodeoxyuridine Quenching of Hoechst 33342 Fluorescence: A Means of Sorting Cells at Specific Points in the Cell Cycle - **Mary Riedy**, Pre Doc

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**INSTRUMENTATION**

**DNA**

**CELLULAR AND MOLECULAR BIOLOGY**

**IMMUNOPHENOTYPING**