

**Scientific Agenda  
Fourth Annual Meeting**

**Great Lakes International Imaging  
and Flow Cytometry Association**

**September 29, 30 - October 1, 1995  
St. Regis Hotel, Detroit, Michigan**

**Corporate Members and Meeting Sponsors**

**Becton Dickinson Immunocytometry Systems**

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**Steering Committee**

**David Hedley - Ontario, Canada**

**Charles Goolsby - Illinois**

**Maurice R. G. O-Gorman - Illinois**

**J. Paul Robinson - Indiana**

**Alexander Nakeff - Michigan**

**Waclaw Jaszcz - Minnesota**

**Linda Setterlund - Minnesota**

**John M. Lehman - New York**

**Carleton C. Stewart - New York**  
**Charles L. Hitchcock - Ohio**  
**James W. Jacobberger - Ohio**  
**Betsy Ohlsson-Wilhelm - Pennsylvania**  
**Lynn Peterson - Wisconsin**  
**J. Paul Robinson, Program and Steering Committee Chair 1995**  
**Alexander Nakeff, Local Host**

**Friday Evening September 29**

8:00 - 11:00 PM **Reception**, Open Bar 8 - 10 PM (Exhibit/ Poster Area)  
Sponsored by **PharMingen**

**Saturday Sept. 30**

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

8:45 AM Welcoming Remarks

**Plenary Session I** -Cell Function by Flow Cytometry (Woodward Room)  
**Julie Auger, Paul Harris**.... Chairs

9:00 - 9:50 **David Hedley**, Princess Margaret Hospital, Toronto, Ontario,  
Chalk Board Review- "Mapping the Death Pathway with Live  
Cell Probes"

9:50 - 10:10 **John Semple**, St. Michael's Hospital, Toronto, Ontario -  
"Analysis of Platelet Populations in Autoimmune  
Thrombocytopenia (AITP): Elevated HLA-Dr Coexpressed with  
Macrophage and Red Blood Cell Molecules."

10:10 - 10:30 **William Telford**, University of Michigan Medical School, Ann  
Arbor, Michigan- "Measurement of Plasma Membrane Ca<sup>++</sup>  
ATPase Activity in Inside-Out Membrane Vesicles by Flow  
Cytometry".

10:30 - 11:00 Coffee Break-- Exhibit/Poster Area - Sponsored by **Caltag**

11:00 - 11:20 **Maurice O'Gorman**, Children's Memorial Hospital, Chicago,  
Illinois - "T-Cell Activation and Proliferation by Flow  
Cytometry."

11:20 - 11:40 **Anne Sperling**, University of Chicago, Chicago, Illinois - "T-  
Cell Costimulation - A Life or Death Situation."

- 11:40 - 12:00     **Steven Rehbein**, Roswell Park Cancer Institute, Buffalo, New York - "Evaluation of Cytokine Receptor Expression on Normal Human Hematopoietic Progenitor Cells Using 4-color Multiparameter Flow Cytometry."
- 12:00 - 1:00     Box Lunch in Commons Room (Steering Committee Mtg.)
- 1:00 - 2:00     Poster Viewing (Exhibit/ Poster Area)

**Plenary Session II** - Image Cytometry (Woodward Room)

**T. Vincent Shankey and J. Paul Robinson... Chairs**

- 2:00 - 2:50     **Todd Brelje**, "Introduction to Confocal Microscopy"
- 3:00 - 3:20     **Stan Shackney**, Allegheny General Hospital, Pittsburgh, PA, "Clinical Applications of Tumor Biology: Imaging and Flow Methods Compared"
- 3:20 - 3:40     **Vince Shankey**, Loyola Univ. Med. Ctr. Maywood, IL, "Technical and Biological Implications of Image Analysis of Clinical Specimens"
- 3:40 - 5:00     Posters/ Exhibits Wine and Cheese Happy Hour- Sponsored by **Compucyte Corporation**

**Presidential Symposium:** (Woodward Room)

Presidential award selected from abstracts

- 5:00 - 5:15     (Tech Award) **Avis Peters**, United Hospital, St. Paul, Minnesota. "Optimization of Viability, Lineage, and Light Scatter Parameters for Multiparameter Flow Analysis of Bone Marrow Samples."

**Selected Presentations Not Competing for Awards:**

- 5:20 - 5:40     **Michael Sramkoski**, Case Western Res. Univ., Cleveland, OH, " Simultaneous Determination of Cyclin B1, P105 and Cell Cycle in DU145 Cells"
- 5:40 - 6:00     **Karen Cornell**, Purdue University, West Lafayette, IN, "Flow Cytometric and Image Analysis of Aminopeptidase Activity Within Neoplastic Cells."
- 6:00 - 6:10     **Lori Anderson**, Victoria Hospital, London, Ontario, "Quality Assurance for Stem Cell Enumeration in Canada"

### **Business Meeting**

6:10 - 6:30 Presentations: Technician Award and Travel Awards  
Sponsored by: **BioRad, Caltag, Compucyte, Coulter, DAKO, FCSC, PharMingen, Spherotech, and Verity Software House**

6:30 - 8:00 Free Time (Bar available in Commons Room)

8:00 - 12:00 **FLOW-O-WEEN - FLOWDOWN** (Woodward Room)  
SPONSORED BY: **BECTON DICKINSON  
IMMUNOCYTOMETRY SYSTEMS**

### **Sunday Oct 1**

7:30 - 8:30 AM Continental Breakfast in Exhibit/ Poster Area

**Plenary Session III** -Developments In Instrumentation and Applications(Woodward Room) **Gary Durack and James Jacobberger...** Chairs

8:30 - 8:55 **Steve Kelley**, Purdue University, West Lafayette, IN. "See the World Famous MYSTERY SPOT!" - An abbreviated guide to Cytometric Tourist Traps on the Information Superhypeway.

9:00 - 9:20 **Douglas Berger**, Compucyte Corp., Cambridge, MA, "Laser Scanning Cytometry: Cellular Analysis by Fluorescence with Automated Visualization of Restained Cells"

9:25 - 9:55 **Gary Durack**, University of Illinois, Urbana, IL, "Fluorescence Lifetime Measurement via Cross Correlation Methods for Image and Flow Systems"

10:00 - 10:25 **James Jett**, Los Alamos National Laboratory, Los Alamos, NM, "Molecular Analysis by Flow Cytometry"

10:30 - 10:45 Coffee Break-- Exhibit/Poster Area- Sponsored by **Coulter**

10:45 - 11:10 **Abe Schwartz**, Flow Cytometry Standards Corp., San Juan, PR, "How to Construct a Standardized Calibration Curve"

11:15 - 11:40 **Phyllis S. Frisa**, Case Western University, Case Western Res. Univ., Cleveland, OH, "On the Transformation of Fluorescence Cytometry into Molecular Quantities"

- 11:45 - 12:10      **Andrew Yen**, Cornell University, Ithaca, NY, “Testing Transregulatory Activity of the RB Tumor Suppression Gene During the Cell Cycle with Multiparameter Flow Cytometry: RB, MYC, FOS, and DNA”
- 12:15 -              Closing comments and adjournment of meeting -Carleton Stewart

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