

**SCIENTIFIC AGENDA
FIFTH ANNUAL MEETING**

**GREAT LAKES INTERNATIONAL IMAGING AND
FLOW CYTOMETRY ASSOCIATION**

**October 4, 5 and 6, 1996
Hotel St. Regis, Detroit, Michigan**

CORPORATE MEMBERS AND MEETING SPONSORS

Becton Dickinson Immunocytometry Systems

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**ROSWELL PARK CANCER INSTITUTE
BUFFALO, NEW YORK**

and the

**BARBARA ANNE KARMANOS CANCER INSTITUTE
DETROIT, MICHIGAN**

Steering Committee

Julie Auger - Illinois
Bruce Davis - Michigan
Charles Goolsby - Illinois
Maurice R. G. O-Gorman - Illinois
David Hedley - Ontario, Canada
Charles L. Hitchcock - Ohio
James W. Jacobberger - Ohio
Waclaw Jaszcz - Minnesota
John M. Lehman - New York
Alexander Nakeff- Michigan
Betsy Ohlsson-Wilhelm - Pennsylvania
Lynn Peterson - Wisconsin
J. Paul Robinson - Indiana
T. Vincent Shankey - Illinois
Carleton C. Stewart - New York

Program and Steering Committee Chairs 1996
Charles L. Hitchcock, James W. Jacobberger, OHIO

HONORED GUEST, JAMES WATSON, PRESIDENT ELECT, ISAC

Alexander Nakeff, Local Host

Presidential Awards:

**Sponsored by PharMingen, Inc., Verity Software House, Inc., and
CompuCyte, Inc.**

Travel Awards:

Sponsored by Verity Software House, Inc. and Spherotech, Inc.

James R. Cornelius
Susan E. Frede
David C. McFarland
Joseph G. Meyer
Jean-Christophe Thomas
Ming-yan Shen
Deshang Zhang

Friday Evening October 4

8:00 - 9:00 PM Guest Lecture (Woodward Room): "Flow Cytometric SPF Determination in Proliferative Breast Disease" ...
Daniel Visscher

9:00 - 11:00 PM **Reception**, Open Bar 9 - 11 PM (Exhibit/ Poster Area)
Sponsored by: PharMingen, Inc. & BDIS

Saturday Oct. 5

7:00 - 8:00 AM Continental Breakfast in Exhibit/ Poster Area

Plenary Session I - (Woodward Room)

Clinical Sciences - Chairs: *Charles Hitchcock & T. Vincent Shankey*

Hematopathology Solid Tumors & Immunophenotyping

8:00 - 8:05 AM Welcoming Remarks, Carl Stewart

Solid Tumors

8:05 - 8:35 "Dual Color Densitometry: Promises and Problems"
Bob Becker

8:35 - 9:05 "Genetic Heterogeneity and Genetic Evolution in Human Breast Cancer" ...*Stanley E. Shackney*

9:05 - 9:35 "Molecular Cytogenetic Evaluation of Chromosomal Alterations in Prostate Cancer" ...*Michael Cher*

9:35 - 10:05 "Detection of DNA Strand Breaks by Flow Cytometry in Analysis of Apoptosis, Cell Proliferation and Chromatin Structure" ...*Zbigniew Darzynkiewicz*

10:05 - 10:20 Coffee Break-- Exhibit/Poster Area
Sponsored by: CalTag, Inc.

Immunophenotyping/ Hematopathology

10:20 - 10:50 "Future Directions in Clinical Flow Cytometry"
Carleton C. Stewart

10:50 - 11:10 "The Use of Intracellular Staining in Transplant Immunology" ...*Susan F. Frede*

11:10 - 11:30 "Flow Cytometric Detection of Fetal Hemoglobin (HbF) Containing Red Blood Cells" ...*Stephen H. Olsen*

11:30 - 11:50 "Age-Dependent Loss of Post-Activation Cell Death in Mouse CD8⁺ T-lymphocytes" ... *William G. Telford*

12:00 - 1:00 Box Lunch in Commons Room

(Steering Committee Meeting-Lothrop Room, 2nd floor)

Plenary Session II - (Woodward Room)

Basic Science I Chairs: *Charles Goolsby & John M. Lehman*

Virology: tumorigenesis, gene expression, pathways

- 1:00 - 1:30 "Growth Stimulation Activity of TIMP-2"*Charles Goolsby*
1:30 - 2:00 "Phenotype Produced by Overexpression of the E2F-1
Transcription Factor Gene" ...*Todd L. Sladek*
2:00 - 2:30 "Mechanisms of Cellular DNA Synthesis Stimulation
Following SV40 Infection" ...*John M. Lehman*
2:30 - 2:50 "Cyclin E Expression and the G1/S Transition in Epithelial
Cell Lines"...*Michael Sramkoski*
2:50 - 3:10 "Perturbing the Biphasic Effects of TGFβ1 on the Cell Cycle
of NIH 3T3 Cells"...*Desheng Zhang*
3:10 - 3:30 Afternoon Break - **Sponsored by: CalTag, Inc.**

Poster Presentations (Woodward Room)

Chairs: *James W. Jacobberger & J. Paul Robinson*

- 3:30 - 3:45 "Correlation Study of Lymphocyte CD69 Expression, BrdU
Uptake and %S Phase" and "Low Dose Gamma Radiation
Induces CD69 Expression on B-lymphocytes"
...*Jenn C. Chen*
3:45 - 3:55 "A Comparative Study of HSP70 Using Flow Cytometry and
Western Blotting"...*Joseph G. Meyer*
3:55 - 4:05 "Long Term Expression of Engrafted Fetal Hemopoietic
Cells Following in utero Allogeneic Transplantation"
...*Ming-yan Shen*
4:05 - 4:15 "FluoroTrol™ -CD34 Whole Blood Control a full process
control for CD34 immunophenotyping"...*Dan Collins*
4:15 - 4:25 "Antibiotic Sensitivity Using Live/Dead BacLight™ Viability
Kit"...*James Cornelius*
4:25 - 4:35 "A Single-Cell Protein Secretion Assay Using Microdrop
Technology and Flow Cytometry"... *David C. McFarland*
4:35 - 4:45 "Quantification of SV40 T Antigen in Different Cell Cycle
Phases Using Cytometry and Western Blots"...*Phyllis Frisa*
4:45 - 4:55 "The Measurement of Intracellular Chloride Using a
Halide-Specific Fluorescent Probe and Flow
Cytometry"...*Barbara Pilas*
4:55 - 5:05 "Correlation of Heparin/Platelet Factor 4 and Flow Platelet
Associated Antibody Assays"...*Kathrine S. Steel*
bltn "Primitive Hematopoietic Stem Cell Identification,
Isolation and Characterization of Loss Following Serial bone
Marrow Transplantation." ..*D.M. Coder*
5:05 - 5:15 "short break"

Presidential Symposium: (Woodward Room)

Chairs: *Julie Auger & Carleton Stewart*

- 5:15 - 5:40 **Sponsored by: PharMingen, Inc. and CompuCyte, Inc.**
"The Detection and Isolation of Rare Cell Populations in Bone Marrow and Peripheral Blood Using High Speed Cell Sorting"...*Laura A. Hartrich*
- 5:40 - 6:05 "Transformation by Cyclin E Overexpression in Immortalized Mouse Astrocytes"...*Damon Crumpler*
- 6:05 - 6:30 "Scheduled and Unscheduled Expression of Cyclins B1, A, E and D in Normal and Tumor Cells"...*Gloria Juan*
- 6:30 - 7:30 **Posters/ Exhibits Wine and Cheese Happy Hour**
Sponsored by: Coulter Corporation, Inc.
- 7:30 - 8:00 Free Time - Open Bar (Exhibit/Poster Area)
- 8:00 - 12:00 **HAWAII FIVE FLOW - FLOWDOWN** (Woodward Room)
Sponsored by:
Becton Dickinson Immunocytometry Systems

Sunday Oct 1

- 7:30 - 8:30 AM Continental Breakfast (Exhibit/ Poster Area)
- 8:30 - 9:00 AM **Business Meeting** Presentation of Awards, Report from Steering Committee, 1997 Site Committee Report

Plenary Session III - (Woodward Room)

Basic Science II - Chairs: *Alexander Nakeff & Maurice R.G. O'Gorman*

Immunology, Microbiology & Other Subjects

- 9:00 - 9:30 "Cytofluorographic Analysis of Dipeptidyl Peptidase IV (CD26) Function in Alloreactive Human T-cells"...*P. Ruiz*
- 9:35 - 10:00 "StatusFlow™, a Stabilized Control vs Whole Blood for Leukocyte Immunophenotyping"...*Jennifer Knutson*
- 10:05 - 10:30 "Optimization of Sample Preparation and Data Analysis for Immunophenotyping Proficiency"...*Lisa Green*
- 10:30 - 10:45 Coffee Break-- Exhibit/Poster Area
Sponsored by: CalTag, Inc.
- 10:50 - 11:15 "Available Options for CD4 T-cell Absolute Count Enumeration"...*Francis F. Mandy*
- 11:20 - 11:45 "Quantitative Flow Cytometric Detection of Specific Microorganisms in Soil Samples"
...*Jean-Christophe Thomas*
- 11:50 - 12:15 "Detection of HIV-1 DNA and Spliced RNA by PCR in situ Hybridization" ... *Bruce Patterson*
- 12:20 - 12:30 Closing comments and adjournment of meeting
...*Carleton Stewart*

N.B. A brunch (pay your own) will be available in the restaurant after 12 NOON. MAKE SURE YOU MAKE EARLY RESERVATIONS AS THEY ARE ALWAYS BOOKED