PROGRAM PLANNING COMMITTEE

Co-Chairmen

Martin H. Goldrosen
John H. Howell

Committee Members

David M. P. Thomson
William J. Halliday

PROGRAM

List of Participants .................................................. 554
Introduction to the Leukocyte Adherence Inhibition Workshop.
   Gerald P. Murphy .................................................. 555
Current Status of Leukocyte Adherence Inhibition.
   John H. Howell .................................................... 556

SESSION I

Mechanism of the Leukocyte Adherence Inhibition Assay

Chairman: Suzanne Eccles
Co-Chairman: Dorothy Glaves

Historical Background and Aspects of the Mechanism of Leukocyte Adherence Inhibition.
   W. J. Halliday ....................................................... 558
Evaluation of the Microplate Leukocyte Adherence Inhibition Test and Its Reproducibility, Sensitivity, and Relationship to Other Tests of Cellular Immunity.
   Patrick G. Holt, Peter J. Fimmel, Lynette M. Finlay-Jones, and Robert L. Flower .................................................. 564
Antigenic Specificity and Cellular Mechanisms in Leukocyte Adherence Inhibition Analysis of Immunity to Simple Proteins and Hapten-Protein Conjugates.
   Arnold Powell, Alice M. Sloss, R. Neal Smith, and Helen Murrell .................................................. 570
Immunological Mechanisms of Tube Leukocyte Adherence Inhibition.
   D. M. P. Thomson and Norman Grosser .................................. 576
Correlations between the Leukocyte Adherence Inhibition Microassay and in Vivo Tests of Transplantation Resistance.
   Stephen H. Leveson, John H. Howell, Norman S. Paolini, Mong H. Tan, Edward D. Holyoke, and Martin H. Goldrosen .................................................. 582
Cellular and Humoral Factors Involved in the Mechanism of the Micro-Leukocyte Adherence Inhibition Reaction.
   Martin H. Goldrosen, Anthony J. Russo, John H. Howell, Stephen H. Leveson, and Edward D. Holyoke .................................................. 587
Cross-Reactivity between Bacillus Calmette-Guérin and Rous Virus-induced Sarcoma Detected in Rats by Tube Leukocyte Adherence Inhibition Assay.
   Vladimir Holan, Jitka Chutná, and Milan Hasek .................................................. 593
Assessment of the Mechanism of the Leukocyte Adherence Inhibition Test.
   Alex W. Tong, Denis R. Burger, Patricia Finke, Carolyn Barney, Arthur A. Vandenbark, and R. Mark Vetto .................................................. 597

SESSION II

Preparation and Characterization of Antigens Used in Leukocyte Adherence Inhibition Assays

Chairman: William J. Halliday
Co-Chairman: Martin H. Goldrosen

Evidence for the Expression of Human Tumor-specific Antigens Associated with β2-Microglobulin in Human Cancer and in Some Colon Adenomas and Benign Breast Lesions.
   D. M. P. Thomson, Donna N. Tataryn, Richard O'Connor, Joyce Rauch, Paula Friedlander, Phil Gold, and Joe Shuster .................................................. 604
Characterization of Murine Tumor-associated Antigens by the Micro-Leukocyte Adherence Inhibition Assay.
John H. Howell, Anthony J. Russo, and Martin H. Goldrosen ................................................. 612

Association of Melanoma Tumor Antigen Activity with β2-Microglobulin.
Arthur Malley, Denis R. Burger, Arthur A. Vandenbark, Maureen Frikke, Patricia Finke, Don Begley, Karen
Acott, John Black, and R. Mark Vetto ............................................................... 619

SESSION III
Demonstration and Evaluation of Leukocyte Adherence Inhibition Assay

Chairman: Mitsuo Takasugi
Co-Chairman: James L. McCoy

Demonstration and Evaluation of the Leukocyte Adherence Inhibition Assay.
Martin H. Goldrosen ................................................................................................. 624

Hemocytometer Leukocyte Adherence Inhibition Technique.
Annette E. Maluish and W. J. Halliday ................................................................. 625

Demonstration of Tube Leukocyte Adherence Inhibition Assay with Coded Samples of Blood.
D. M. P. Thomson .................................................................................................. 627

Demonstration of the Microtest Version of the Leukocyte Adherence Inhibition Assay.
Martin H. Goldrosen, John H. Howell, and Edward D. Holyoke ......................... 630

SESSION IV
Detection and Monitoring of Human Cancer with Leukocyte Adherence Inhibition

Chairman: Mitsuo Takasugi
Co-Chairman: James L. McCoy

Evaluation of Micro-Leukocyte Adherence Inhibition as an Immunodiagnostic Test for Pancreatic Cancer.
Martin H. Goldrosen, Anthony J. Russo, John H. Howell, Stephen H. Leveson, Michael C. Moore, Edward D.
Holyoke, and Harold O. Douglass, Jr. ................................................................. 633

Human Tumor-specific Immunity Assayed by a Computerized Tube Leukocyte Adherence Inhibition.
D. M. P. Thomson, Donna N. Tataryn, Marvin Lopez, Rosemarie Schwartz, and John K. MacFarlane .. 638

Experiences with Leukocyte Adherence Inhibition in Human Cancer.
Annette E. Maluish .................................................................................................. 644

The Need to Establish Whether the Leukocyte Adherence Inhibition Test Is a Reliable Assay of Tumor Immunity in
Humans.
Karl Erik Hellstrom and Ingegerd Hellstrom .................................................... 649

Monitoring of Antitumor Immunity in Patients with Larynx Cancer by Tube Leukocyte Adherence Inhibition Assay.
Vladimir Holan, Otakar Sibl, and Milan Hasek ...................................................... 651

Tore Sanner, Ivar Brennhovd, Ingrid Christensen, Ole Jørgensen, and Stein Kvaløy ........ 654

Immunological Basis of Close-Contact Sensitization to Osteosarcoma.
Arnold Powell, Alice M. Sloss, and John T. Makley ............................................ 658

Summary and Future Prospects of Leukocyte Adherence Inhibition.
Martin H. Goldrosen .................................................................................................. 660