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William C. Eckelman
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Mette Strand

PROGRAM

Introduction to the Second Conference on Radioimmunodetection and Radioimmunotherapy of Cancer.

David M. Goldenberg .......................................................... 778s

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Radiochemistry of Antibodies

Chairperson: William C. Eckelman

Development of Radiochemically Pure Antibodies.

W. C. Eckelman ............................................................... 780s

Improving the Tumor Retention of Radiiodinated Antibody: Aryl Carbohydrate Adducts.


Stable Bifunctional Chelates of Metals Used in Radiotherapy.

Min K. Moi, Sally J. DeNardo, and Claude F. Meares ................................ 789s

Preclinical Evaluation of an “Instant” 99mTc-labeling Kit for Antibody Imaging.

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Kwamena E. Baidoo, Ursula Scheffel, and Susan Z. Lever .................................. 799s

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Experimental Studies of Radioimmunodetection of Cancer: An Overview.

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Rakesh K. Jain ............................................................... 814s

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Pharmacokinetics of 99mTc-Metallothionein-B72.3 and Its Fab’, Fragment.

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Mechanisms of Tissue Uptake and Metabolism of Radiolabeled Antibody—Role of Antigen:Antibody Complex Formation.

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Mechanism of Decreasing Liver Uptake of $^{111}$In-labeled Anti-Carcinoembryonic Antigen Monoclonal Antibody by Specific Antibody Pretreatment in Tumor Bearing Mice.
Barbara G. Beatty, Margaret O'Connor-Tressel, Tulan Do, Raymond J. Paxton, and J. David Beatty ............................. 846s

Uptake and Metabolism of $^{111}$In-labeled Monoclonal Antibody B6.2 by the Rat Liver.
Peter L. Jones, Beverly A. Brown, and Howard Sands ............................. 852s

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Douglas W. Rea, Michel E. Ultee, Benjamin A. Belinka, Jr., Daniel J. Coughlin, and Vernon L. Alvarez ............................. 857s

Radiolocalization of Monoclonal Antibodies in Hepatic Metastases from Human Colon Cancer in Congenitally Athymic Mice.
Kazuhiro Yoshida, Michel Rivoire, Chaitanya Divgi, Sydney Welt, Alfred M. Cohen, and Elin R. Sigurdson ............................. 862s

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Patterns of Antigen Distribution in Human Carcinomas.
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Chairpersons: Steven M. Larson and Abass Alavi

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Radioimmunodetection in Rhabdo- and Leiomyosarcoma with 111In-Anti-Myosin Monoclonal Antibody Complex.
André Planting, Jaap Verweij, Peter Cox, Mike Pillay, and Gerrit Stoter

Detection of Thrombophlebitis with 111In-labeled Anti-Fibrin Antibody: Preliminary Results.
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Chairperson: Mette Strand

David A. Scheinberg and Mette Strand

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Targeting and Therapy of Human Glioma Xenografts in Vivo Utilizing Radiolabeled Antibodies.
Jeffery A. Williams, Barry W. Wessels, James A. Edwards, Kenneth A. Kopher, Philip M. Wanek, Moody D. Wharam, Stanley E. Order, and Jerry L. Klein

Imaging and Therapy of Small Cell Carcinoma Xenografts Using 131I-labeled Monoclonal Antibody SWA11.
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Jose M. Esteban, David M. Hyams, Barbara G. Beatty, Bruce Merchant, and J. David Beatty

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Use of Hematopoietic Growth Factors to Control Myelosuppression Caused by Radioimmunotherapy.
R. D. Blumenthal, R. M. Sharkey, L. M. Quinn, and D. M. Goldenberg

Role of Bone Marrow Transplantation in 90Y Antibody Therapy of Colon Cancer Xenografts in Nude Mice.
Blaine A. Morton, Barbara G. Beatty, Angeles P. Mison, Philip M. Wanek, and J. David Beatty

SESSION V
Prospects for Therapy, II: Clinical

Chairperson: Stanley E. Order

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S. E. Order, A. M. Sleeper, G. B. Stillwagon, J. L. Klein, and P. K. Leichner

Fractionated Radioimmunotherapy of B-Cell Malignancies with 131I-Lym-1.
Gerald L. DeNardo, Sally J. DeNardo, Lois F. O'Grady, Norman B. Levy, Gregory P. Adams, and Stanley L. Mills

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Radioimmunotherapy of Human B-Cell Lymphoma with 90Y-conjugated Antiidiotype Monoclonal Antibody.

Estimation of Monoclonal Antibody-associated 90Y Activity Needed to Achieve Certain Tumor Radiation Doses in Colorectal Cancer Patients.
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Intraperitoneal Immunoconjugates.
Thomas W. Griffin, Jeffrey Collins, Faran Bokhari, Mark Stochl, A. Bertrand Brill, Tsunao Ito, Georgette Emond, and Howard Sands
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Jeffry A. Siegel, David A. Pawlyk, Robert E. Lee, Norma L. Sasso, Jo Ann Horowitz, Robert M. Sharkey, and David M. Goldenberg

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W. T. Millar and A. Barrett

SESSION VI

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Chairperson: Thomas Hoffman

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Thomas Hoffman


Hervé M. Blottière, J. Y. Douillard, H. Koprowski, and Z. Steplewski

Human Immune Response to Anti-Carcinoembryonic Antigen Murine Monoclonal Antibodies.

Michele J. Losman, Robert L. DeJager, Marc Monestier, Robert M. Sharkey, and David M. Goldenberg

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COVER LEGEND

The publication of the first conference held on the subject of cancer imaging and therapy with radiolabeled antibodies appeared as a supplement to the August 1980 issue of Cancer Research and has served as a frequently cited reference for the past 10 years. Pictured are five of the scientists who made critical contributions to the development of radioimmunodetection and radioimmunotherapy. Phil Gold (far left), codiscoverer of carcinoembryonic antigen, which has served as the prototype cancer marker and target for labeled antibodies, is currently Physician-in-Chief, Montreal General Hospital, Montreal, Canada. David Pressman (second from left), deceased, is credited with having made the early and seminal observations of organ and cancer targeting with antibodies against rodent tumors. David M. Goldenberg (center), who is President of the Center for Molecular Medicine and Immunology, Newark, New Jersey, organized the first and second conferences and provided the first demonstration in animals and humans of cancer imaging with radiolabeled antibodies against carcinoembryonic antigen, as well as a number of other cancer markers. William F. Bale (second from right), deceased, also was an early pioneer of animal studies of tumor localization with radiolabeled antibodies and pursued fibrin clot imaging and tumor therapy with radiolabeled anti-fibrin antibodies. Stanley E. Order (far right), who was one of the first proponents and innovators of radioimmunotherapy, is currently Professor and Director of Radiation Oncology, Johns Hopkins Cancer Center, Baltimore, Maryland. This photograph was made at the UICC Workshop on Radioimmunodetection of Cancer, Lexington, Kentucky, July 19–21, 1979.
Cancer Res 1990;50:1017s-834s.

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