

**DRUG DELIVERY: BARRIERS TO DRUG TRANSPORT AND THE
DESIGN OF NOVEL THERAPEUTIC AGENTS**

Organizers: *W. Mark Saltzman and Rakesh K. Jain*

January 7-13, 1995; Hilton Head Island, South Carolina

Application/Abstract Deadline: September 7, 1994; Maximum Attendance: 350

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Sat 1/7—REGISTRATION—ORIENTATION—KEYNOTE
ADDRESS: **R. Langer†**, Massachusetts Inst of Tech, "*Delivery Systems for Novel Therapeutic Agents*"

Sun 1/8—TRANSPORT OF NOVEL THERAPEUTICS IN TISSUES: **R. Jain***, Massachusetts General Hosp, "*Physiological Barriers to Transporting Tissues*"; **F. Yuan**, Massachusetts General Hospital, "*Transvascular Transport in Normal and Tumor Tissue*"; **H. Dvorak**, Beth Israel Hospital, "*Transcytosis of Macromolecules in Tumors, Wound Healing and Other Inflammatory States*"; **B. Rippe**, University Hospital, "*Transport of Proteins Across the Microvasculature Heteroporous Membrane Models*"—EPITHELIAL, LYMPHATIC, AND INTERSTITIAL TRANSPORT OF NOVEL THERAPEUTICS: **D. Berk**, Massachusetts General Hospital, "*Lymphatic Transport of Macromolecules*"; **Y. Chien**, Rutgers State University, "*Enhanced and Non-invasive Delivery of Therapeutic Peptides through Easily-Accessible Epithelial Membranes*"; **L. Cima*†**, Massachusetts Inst of Tech, "*Controlled Release of Growth Factors Tointerstitium*"

Mon 1/9—MUCOSAL VACCINES AND DELIVERY OF PROTEINS TO MUCUS EPITHELIA: **J. Mc Ghee**, Univ of Alabama, "*New Approaches for Stimulating Mucosal Immunity*"; **W. Saltzman***, John Hopkins University, "*Direct Intracranial Delivery of Proteins and Transport in the Brain Tissue*"; **E. Mathlowitz**, Brown University, "*Mucus Epithelia*"; **H. Bernstein**, Alkermes, "*Oral Delivery of Proteins and Peptides*"—DELIVERY OF ANTIBODY-BASED THERAPEUTICS: **Y. Boucher**, Massachusetts General Hospital, "*Interstitial Hypertension in Tumors and its Role in Antibody Delivery*"; **R. Dedrick***, National Institutes of Hlth, "*Pharmacokinetics and Regional Delivery*"; **L. Baxter**, Massachusetts General Hospital, "*Antibody Mediated Drug Delivery: Two Step Approaches and Scale-up*"

Tue 1/10—DELIVERY OF DNA AND RNA IN CELLS AND TISSUES: **H. Sands***, Lexin Pharmaceuticals, "*Pharmacokinetics and Metabolism of Antisense Oligos*"; **B. Huber**, Burroughs Wellcome, "*VDEPT-Virus Directed Enzyme/Prodrug Therapy*"; **R. Hawley**, Sunnybrook Health Science Ctr, "*Retroviral Gene Delivery*"; **J. Hubbell†**, Univ of Texas, "*Novel Polymers for*

Delivery of Peptides Oligonucleotides and Proteins"—GENE THERAPY AND NUCLEIC ACID THERAPEUTICS: **R. Debs**, Univ California-San Francisco, "*System Gene Transfer and Expression*"; **P. Felgner**, Vical, "*Synthetic Self-Assembling Systems For Gene Delivery*"; **G. Nabel***, Univ of Michigan, "*Direct Gene Transfer for Immunotherapy and Immunization*"

Wed 1/11—DRUG DELIVERY TO THE BRAIN AND NOVEL STRATEGIES FOR DRUG DEVELOPMENT: **H. Brem*†**, John Hopkins University, "*Intracranial Delivery of Anticancer Drugs*"—DEVELOPMENT: **J. Fenstermacher**, SUNY-Stony Brook, "*Transport of Peptides and Proteins within the Cerebrospinal Fluid-Brian System*"; **J. Weinstein**, National Institutes of Health, "*Neural Networks in Drug Design*"; **J. Dordick**, Univ of Iowa, "*Enzymes in the Synthesis of Pharmaceuticals*"—BANQUET

Thur 1/12—DELIVERY OF CELLS AND PARTICULATES IN TISSUES: **R. Melder**, Massachusetts General Hospital, "*Delivery of Effector Cells to Normal and Tumor Tissues*"; **D. Papahadjopoulos***, Univ California-San Francisco, "*New Developments in Liposomal Delivery: Sterically Stabilized Liposomes*"; **E. Liversidge**, Sterling Winthrop, "*Nano-Particles in Drug Delivery*"; **K. Leong†**, John Hopkins University, "*Microspheres for Protein Delivery to Joints*"—NOVEL MATERIALS OF STRATEGIES FOR DRUG DELIVERY: **I. Fidler**, MD Anderson Cancer Center, "*Therapy of Cancer Metastasis by Systematic Activation of Macrophages*"; **D. Tirrell*†**, Univ of Massachusetts, "*Genetic Engineering of Novel Biomaterials*"; **E. Ruoslahti**, La Jolla Cancer Research Fndn, "*Integrins and Integrin-Binding peptides in Cancer*"

Fri 1/13—DEPARTURE

POSTERS: 1 Transport of Novel Therapeutics in Tissues; Epithelial, Lymphatic, and Interstitial Transport of Novel Therapeutics; 2 Mucosal Vaccines and Delivery of Proteins to Mucus Epithelia; Delivery of Antibody-Based Therapeutics; 3 Delivery of DNA and RNA in Cells and Tissues; Gene Therapy and Nucleic Acid Therapeutics; 4 Delivery of Cells and Particulates in Tissues; Novel Materials of Strategies for Drug Delivery

* = Session Chairperson; † = Invited, not yet responded.

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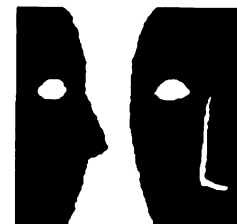
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