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Department of Pathology

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**Disclaimer: Dr. Broder is a full-time employee of the Celera companies, which are engaged in diagnostic and therapeutic research for a number of diseases including AIDS, cancer, autoimmunity, and heart disease.*

Dr. Broder is an inventor or co-inventor on a number of patents in these areas.



**Symposium
on
Translational Research
in
Molecular Pathology**

Hosted by
Division of Molecular Pathology
Department of Pathology
University of Maryland School of
Medicine (UMSOM)

Date: Friday, October 28, 2005
Location: HSFII Auditorium
20 Penn Street
Baltimore, MD 21201

Opening Remarks

- 8:30 – 8:40am: Sanford A. Stass, M.D., Professor & Chair,
Department of Pathology UMSOM
- 8:40 – 8:50am: Bruce E. Jarrell, M.D., Vice- Dean for Academic Affairs,
UMSOM
- 8:50 – 9:00am: Richard Y. Zhao, Ph.D., Associate Professor and Head,
Division of Molecular Pathology, Department of Pathology
UMSOM

Keynote Speaker

- 9:00 – 9:45am: **The Human Genome and the Future of Translational Research**
Samuel Broder, M.D.*
Executive Vice-President for Medical Affairs and Chief
Medical Officer
Celera Inc.
Introduction by Deau L. Mann, M.D.

9:45 – 10:00am: Coffee Break

10:00 – Noon: **Morning Session: Infectious Diseases**

- 10:00 – 10:30am **Genomics in the Clinical Microbiology Laboratory**
Patrick R. Murray, Ph.D.
Senior Scientist and Chief of Microbiology
NIH ClinicalCenter
National Institutes of Health
Introduction by Richard A. Venezia, Ph.D., A.B.M.M.

- 10:30 – 11:00am **SARS and Other Emerging Infections**
Robert C. Bollinger, Jr., M.D., M.P.H
Professor and Director of Johns Hopkins Center for Clinical
Global Health Education
Johns Hopkins University
Introduction by Richard Y. Zhao, Ph.D.

- 11:00 – 11:30am **Development of RNAi-based Anti-SARS
Therapeutics**
Patrick Y. Lu, Ph.D.
Executive Vice President, Intradigm Corporation
Introduction by A. James Mixson, M.D.

- 11:30 – noon **Cell Cycle and HIV Therapy**
Robert R. Redfield, M.D.
Associate Director of IHV
University of Maryland Biotechnology Institute
Introduction by Niel T. Constantine, Ph.D.

Noon–12:55pm Lunch Break (box lunch) – MSTF Atrium

1:00-4:00pm **Afternoon Session: Cancer**

- 1:00 – 1:15pm: Remarks by Kevin Cullen, M.D., Director,
University of Maryland Marlene and Stewart
Greenebaum Cancer Center
Introduction by Richard Y. Zhao, Ph.D.

- 1:15 – 1:45pm **Genomic Approach for Monitoring Heart
Post-transplantation**
Judith Wilber, Ph.D.
Vice-President XDx Inc.
Introduction by Allen P. Burke, M.D.

- 1:45 – 2:15pm **Human Bone Marrow: A Reservoir for
“Enhanced Effector Memory” CD8+ T Cells with
Potent Effector Function**
Scott E. Strome, M.D., FACS
Professor and Chair
Department of Otorhinolaryngology
Head and Neck Surgery
Introduction by Steve Zhan, Ph.D.

2:15 – 2:30pm: Coffee Break

- 2:30 – 3:00pm **HTLV-1 and Aneuploidy in Adult T-cell Leukemia**
Kuan-Teh Jeang M.D., Ph.D.
Chief, Molecular Virology Section
LMM, NIAID, NIH
Introduction by Rudolph J. Castellani, M.D.

- 3:00 – 3:30pm **Molecular Targets in the Proteasome-ubiquitin System:
Identification of a Novel Ubiquitin E3 ligase
with a Role in Breast Cancer**
Angelika M. Burger, Ph.D.
Associate Professor and Director,
Translational Core Laboratory
University of Maryland Marlene and Stewart
Greenebaum Cancer Center
Introduction by Anne W. Hamburger, Ph.D.

- 3:30 – 4:00pm **Apoptosis of Skin Melanoma by Forced Expression
of the New Heat Shock Protein H11: A Novel Paradigm
for Chemogene Therapy**
Laure Aurelian, Ph.D.
Professor
Department of Pharmacology and Experimental Therapy
Introduction by Abulkalam M. Shamsuddin, M.B.B.S., Ph.D.

4:00 – 4:10pm Closing Remarks by Richard Y. Zhao, Ph.D.

4:10 – 6:00pm Cocktail Reception at the MSTF Atrium