

Co-Sponsorship
Department of Pathology
University of Maryland School of Medicine
University of Maryland
Marlene and Stewart Greenebaum
Cancer Center



**CENTER FOR NANOMEDICINE AND
CELLULAR DELIVERY**
UNIVERSITY OF MARYLAND SCHOOL OF PHARMACY

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The symposium is free but seating is limited. Registration is encouraged to ensure your seat, lunch and cocktail reception. To register, please send email (mtillman@som.umaryland.edu) to Melinda Tillman, Tel: (410)706-6300; or contact Dr. Richard Y. Zhao, Tel: (410)706-6301; email: rzhao@som.umaryland.edu



“From Nanotechnology to Personalized Medicine”

**Second Annual Symposium
on
Translational Research in Molecular Pathology**

Organized by
Division of Molecular Pathology
Department of Pathology
University of Maryland
School of Medicine

Tuesday, November 14, 2006
Location: HSFII Auditorium
8:30 am to 4:00 pm
University of Maryland School of Medicine
20 Penn Street
Baltimore, MD 21201

Opening Remarks

8:30 – 8:40am:



Sanford A. Stass, M.D., Professor and Chair
Department of Pathology
University of Maryland School of Medicine

8:40 – 8:50am:



E. Albert Reece, M.D., Ph.D., M.B.A.
Vice President for Medical Affairs,
University of Maryland
Dean, School of Medicine

8:50 – 9:00am:



Richard Y. Zhao, Ph.D., Assoc. Professor
Departments of Pathology,
Microbiology-Immunology,
and Human Virology
Division Head of Molecular Pathology,
University of Maryland School of Medicine

Keynote Speech

9:00 – 9:45am:



*The End or the Beginning of the Drive to an
HIV Preventive Vaccine: a view from
over quarter of a century*
Dr. Robert C. Gallo, Professor
Member of American Academy of Sciences
Director and Founder
Institute of Human Virology
University of Maryland School of Medicine
Introduction by
E. Albert Reece, M.D., Ph.D., M.B.A.

9:45 – 10:00am:

Coffee Break

10:00 – Noon:

Morning Session: Nanotechnology in Medicine

10:00 – 10:30am



*Plasmon-controlled Fluorescence
and Its Applications to Diagnostic Medicine*
Joseph R. Lakowicz, Ph.D., Professor
Director, Center for Fluorescence Spectroscopy
Department of Biochemistry and
Molecular Biology
University of Maryland School of Medicine
Introduction by Amy M. Fulton, Ph.D.

10:30 – 11:00am



*Real-time Particle Tracking for Improved
Design of Polymeric Nanotherapeutics*
Justin Hanes, Ph.D.
Associate Professor of Chemical &
Biomolecular Engineering,
Biomedical Engineering and Oncology
The Sidney Kimmel Comprehensive
Cancer Center
The Johns Hopkins University
Introduction by Frank Zhao, M.D., Ph.D.

11:00 – 11:30am



*Nanoparticle enhanced
RNAi Therapeutics:
A Frontier of Nanomedicine*
Patrick Y. Lu, Ph.D.
Executive Vice President
Intradigm Corporation
Introduction by Archibald J. Mixson, M.D.

11:30 – Noon



Multi Photon in Diagnostic Medicine
Andrzej K. Drukier, Ph.D.
CEO
BioTraces, Inc.
Introduction by Sanford A. Stass, M.D.

Noon – 12:55pm

Lunch Break (box lunch) – MSTF Atrium

1:00-4:00pm

Afternoon Session: Genomics/Proteomics and Personalized Medicine

1:00 – 1:15pm



Remarks by Kevin Cullen, M.D., Professor
and Director of Marlene and Stewart
Greenebaum Cancer Center,
University of Maryland School of Medicine
Introduction by Richard Y. Zhao, Ph.D.

1:15 – 1:50pm



*Pharmacogenetics:
The Translation to Clinical Practice*
Amy Bower, Ph.D.
Executive Director,
Medical Informatics & Genetics
Third Wave Technologies, Inc.
Introduction by Anne W. Hamburger, Ph.D.

1:50 – 2:25pm



*CellSearch and GeneSearch: Novel
Clinical Diagnostics In Breast Cancer*
Yixin Wang, Ph.D.
Group Director, Discovery Research and
Pharmaceutical
Biomarker Support Group
Veridex and Ortho-Clinical Diagnostics
Introduction by
William H. Rodgers, M.D., Ph.D.

2:25 – 2:40pm:

Coffee Break

2:40 – 3:15pm



*Improving Healthcare and Laboratory
Medicine Through Personalized Medicine*
Bryan R. Cobb, Ph.D.,
Principle Applications Scientist
Medical and Scientific Affairs
Roche Diagnostics Corporation
Introduction by
John C. Papadimitriou, M.D., Ph.D.

3:15 – 3:50pm



*Development of Clinical Proteomics
Technologies for Theranostics and
Personalized Therapy*
Emanuel F. Petricoin III, Ph.D.
Co-Director, Center for Applied
Proteomics and Molecular Medicine
(CAPMM)
George Mason University
Introduction by Dean L. Mann, M.D.

3:50 – 4:00pm

Closing Remarks by Richard Y. Zhao, Ph.D.

4:00 – 6:00pm

Cocktail Reception at the HSFII Lobby