

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

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Program in Genetics and Genomic Medicine  
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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 logon <http://medschool.umaryland.edu/molecularpath/symposium.asp> or send email to [millman@som.umaryland.edu](mailto:millman@som.umaryland.edu) For inquiry, contact Melinda Tillman at 410-706-6300 or Dr. Richard Zhao at 410-706-6301



## Organizational Committee

Richard Y. Zhao, Ph.D., Chair  
Associate Professor and Head  
Division of Molecular Pathology  
Department of Pathology, Microbiology-Immunology  
Institute of Human Virology

Dean L. Mann, M.D., Co-Chair  
Professor  
Department of Pathology

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Director, Program in Genetics and Genomic Medicine  
Head, Division of Endocrinology, Diabetes & Nutrition

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Professor, Pathology and Oncology  
University of Maryland Marlene and Stewart Greenebaum  
Cancer Center

Sanford A. Stass, M.D.  
Professor and Chair  
Department of Pathology



**America's First Public Medical School**

# "Advances and Challenges in Personalized Health Care"

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

**Date: Tuesday, October 27, 2009  
Location: Davidge Hall  
University of Maryland, Baltimore  
522 W. Lombard Street  
Baltimore, Md. 21201**

9:00 – 9:05am:



**Welcome**

Richard Y. Zhao, PhD  
Chair, Symposium Organizing Committee  
Associate Professor and Head  
Division of Molecular Pathology  
Departments of Pathology,  
Microbiology-Immunology  
Institute of Human Virology  
University of Maryland School of Medicine

Opening Remarks

9:05 - 9:15am:



Sanford A. Stass, MD  
Professor and Chair  
Department of Pathology  
Department of Medical and Research Technology  
University of Maryland School of Medicine  
*Introduction by Richard Y. Zhao, PhD*

9:15 – 9:30am:



E. Albert Reece, MD, PhD, MBA  
Vice President for Medical Affairs  
University of Maryland  
John Z. and Akiko K. Bowers Distinguished  
Professor and Dean, University of Maryland  
School of Medicine  
*Introduction by Sanford A. Stass, MD*

**Keynote Lecture**

9:30 – 10:15am:



**Preventive HPV Vaccines:  
Current Realities and Future Possibilities**  
Douglas R. Lowy, MD  
Chief, Laboratory of Cellular Oncology  
National Cancer Institute  
Member of the National Academy of Sciences  
*Introduction by Dean L. Mann, MD*

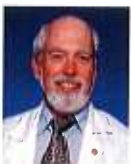
10:15 – 10:30am

**Coffee Break**

10:30am – Noon

**Morning Session**

10:30 – 11:00am



**Personalized Oncology:  
Case Studies of Molecular Tests as Companion  
Diagnostics for Drug Development**  
H. Jeffrey Lawrence, MD  
Senior Director, Genomics & Oncology  
Roche Molecular Systems, Inc.  
*Introduction by Richard Y. Zhao, PhD*

11:00 – 11:30am:



**The Art of Diagnosis, Prognosis  
and Therapeutics in Hepatocellular Carcinoma**  
Xin W. Wang, PhD  
Senior Investigator  
Chief, Liver Carcinogenesis Section  
LHC, CCR, NCI, NIH  
*Introduction by Anne W. Hamburger, PhD*

11:30 – Noon



**The (Ugghh!) Math of Individualized Care**  
Scott E. Kern, MD  
Professor of Oncology and Pathology  
Sidney Kimmel Comprehensive Cancer  
Center at Johns Hopkins  
*Introduction by Niel T. Constantine, PhD*

12:00 – 12:55:

**Box Lunch – National Museum of Dentistry**

1:00- 4:00pm:

**Afternoon Session**

1:00 - 1:05pm:

*Welcome to the afternoon session*  
Dean L. Mann, MD, Co-chair,  
Symposium Organizing Committee  
Professor  
Department of Pathology  
University of Maryland School of Medicine

1:05 – 1:15pm:



*Afternoon session remarks*  
Kevin J. Cullen, MD  
Director  
University of Maryland  
Marlene and Stewart Greenebaum Cancer Center  
Professor of Medicine  
University of Maryland School of Medicine  
*Introduction by Dean L. Mann, MD*

1:15 – 1:45pm:



**Personalization of Oncology Drug Development  
through Biomarker Discovery**  
Dimitri Semizarov, PhD  
Senior Group Leader  
Tumor Genomics  
Global Pharmaceutical Research and Development  
Abbott  
*Introduction by Jennifer K. Johnson, PhD*

1:45 – 2:15pm:



**Individuation of the Risk of  
Sudden Cardiac Death**  
Aravinda Chakravarti, PhD  
Director, Center for Complex Disease Genomics  
McKusick – Nathans Institute of Genetic Medicine  
Johns Hopkins University School of Medicine  
*Introduction by Christy Chang, PhD*

2:15 – 2:25pm:

**Coffee Break**

2:25 – 2:55pm:



**Development of a Comprehensive Test Panel  
for the Detection of KRAS & BRAF Mutations**  
Patrick J. Dillon, PhD  
Vice President, Research & Development  
AutoGenomics, Inc.  
*Introduction by Steven Zhan, PhD*

2:55 – 3:25pm:



**Pharmacogenomics Metabolomics**  
Rima Kaddurah-Daouk, PhD  
Associate Professor  
Department of Psychiatry and Behavioral Sciences  
Director, Center for Pharmacometabolomics  
Duke University Medical Center  
*Introduction by Nanette Steinle, MD*

3:25 – 3:30pm:



**Closing Remarks**  
Richard Y. Zhao, PhD  
Chair, Symposium Organizing Committee  
Associate Professor and Head,  
Division of Molecular Pathology  
Departments of Pathology,  
Microbiology-Immunology  
Institute of Human Virology  
University of Maryland School of Medicine

3:30 – 4pm

**Cocktail Reception at the  
National Museum of Dentistry**