



Inova Fairfax Hospital
Physicians Conference Center
3300 Gallows Road
Falls Church, VA 22042-3300

**CREATING THE NEXT REVOLUTION IN
MOLECULAR MEDICINE:
THE APPLICATION OF TRANSLATIONAL
RESEARCH IN CLINICAL MEDICINE**

*Friday, April 7, 2006
7:30 a.m. - 1:45 p.m.*

DATED MATERIAL



First Class
U.S. Postage
PAID
Falls Church, VA
Permit 118

Inova
Health
System

Category 1
CME
Continuing Medical Education

**CREATING THE NEXT REVOLUTION IN
MOLECULAR MEDICINE:
THE APPLICATION OF TRANSLATIONAL
RESEARCH IN CLINICAL MEDICINE**

Presented by:

*The George Mason University-Inova Health System
Translational Research Institute*

**Friday, April 7, 2006
7:30 a.m. - 1:45 p.m.**



Agenda

7:30am Registration and Breakfast
8:00 Introduction
Zobair Younossi, MD, MPH

TRANSLATIONAL RESEARCH AND BIOMARKER
DISCOVERY

8:10 Post Genomic Revolution in
Translational Research
Lance A. Liotta, MD, PhD

8:40 Pioneering Work in Biomarker
Discovery and Mass
Spectrometry-Based Analysis
Mary F. Lopez, PhD

9:10 Break

DATA MANAGEMENT: GENOMIC AND PROTEOMIC DATA

9:20 Analysis of Large Scale Gene
Expression and Proteomics Data
John Quakenbush, PhD

9:50 Developing Bioinformatic Tools
and Relational Databases
Raimond L. Winslow, PhD

10:20 Q & A and Panel Discussion
Moderator TBA

10:40 Break

APPLICATION OF NEW TECHNOLOGIES TO CANCER AND
HEART DISEASE

10:50 Prediction of Genetic Risk for
Coronary Heart Disease
James J. Devlin, PhD

11:20 Proteomics for Cardiovascular
Disease
Jennifer Van Eyk, PhD

11:50 Cancer Proteomics
Emanuel F. Petricoin III, PhD

12:20 Q & A and Panel Discussion
Moderator TBA

12:40pm Lunch/Break Out Sessions

BREAKOUT/LUNCHESES/PARALLEL SESSIONS

12:45-1:45 Proteomic Technology for
Individualized Therapy
Co-moderators:
David Geho, MD, PhD
Virginia Espina, MS, MT

12:45-1:45 Application of Bioinformatics in
Proteomics Technology
Co-moderators:
Raimond L. Winslow, PhD
Jennifer Van Eyk, PhD

12:45-1:45 Application of Bioinformatics and
Microarray Technology
Co-moderators:
Ancha Baranova, PhD, Dsci
John Quackenbush, PhD

Who Should Attend

This program is intended for physicians, scientists, researchers, biotechnology experts and administrators. This program also may be of interest to other health care professionals as well as those within industry and research.

What You Will Learn

Upon completion of this activity, the participant should be able to:

- ✓ Define the premise of translational research
- ✓ Apply microarray and single nucleotide polymorphism technology as a tool of translational research
- ✓ Apply proteomics technology and biomarker discovery as a tool of translational research
- ✓ Describe examples of applying Genomics/Proteomics research to chronic diseases such as cancer, coronary heart disease etc

Accreditation

The Inova Office of Continuing Medical Education is accredited by the Medical Society of Virginia to sponsor continuing medical education for physicians.

The Inova Office of Continuing Medical Education designates this educational activity for a maximum of 5.5 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

Physicians may claim up to 5.5 credits in Type 1 CME on the Virginia Board of Medicine Continued Competency and Assessment Form required for renewal of an active medical license in Virginia.

The Inova Learning Network is approved as a provider of continuing education in nursing by the Virginia Nurses Association which is accredited as an approver of continuing education in nursing by the American Nurses Credentialing Center's Commission on Accreditation. The Inova Learning Network, in conjunction with the Virginia Nurses Association's CEA program, is offering 6.2 contact hours for this program.

Acknowledgments

This continuing medical education activity has been made possible by generous educational grants and commercial exhibits from various companies. These companies will be recognized during the event.

Guest Faculty

Ancha Baranova, PhD, Dsci
Assistant Director, Center for the Study of Genomics in Liver Diseases
George Mason University - Inova Health System
Translational Research Institute

Virginia Espina, MS, MT (ASCP)
Research Assistant Professor
Center for Applied Proteomics & Molecular Medicine
George Mason University - Inova Health System
Translational Research Institute

James J. Devlin, PhD
Director, Cardiovascular Disease
Celera Diagnostics

David Geho, MD, PhD
Research Professor
Center for Applied Proteomics & Molecular Medicine
George Mason University - Inova Health System
Translational Research Institute

Lance A. Liotta, MD, PhD
Co-Director, Center for Applied Proteomics and Molecular Medicine
George Mason University - Inova Health System
Translational Research Institute

Program Director

Zobair M. Younossi, MD, MPH
Medical Director, Inova Research Center
Co-Director, George Mason University - Inova Health System
Translational Research Institute

Program Co-Director

Vikas Chandhoke, PhD
Associate Dean for Research
College of Arts and Sciences at George Mason University
Co-Director, George Mason University - Inova Health System
Translational Research Institute

Mary F. Lopez, PhD
Strategic Collaborations Leader,
Molecular Medicine
Perkin Elmer Life and Analytical Sciences

Emanuel F. Petricoin, III, PhD
Co-Director
Center for Applied Proteomics and Molecular Medicine
George Mason University - Inova Health System
Translational Research Institute

John Quackenbush, PhD
Professor, Biostatistics and Computational Biology
Harvard School of Public Health
Dana-Farber Cancer Institute

Jennifer Van Eyk, PhD
Director, The Hopkins NHLBI Proteomics Center
Director, Bayview Proteomics Group
Associate Professor
Medicine, Division of Cardiology
Biological Chemistry and Biomedical Engineering
Johns Hopkins University

Raimond L. Winslow, PhD
Director, The Institute for Computational Medicine
Director, The Biomedical Engineering Graduate Program
Associate Director, The Whitaker Biomedical Engineering Institute
Professor, Department of Biomedical Engineering
Johns Hopkins University

Three Easy Ways To Register

BY PHONE
Charge your tuition to your Visa, MasterCard, or Discover by calling **703-776-6471**.

BY FAX
Fax your enrollment form with credit card information to **703-776-2046**

BY MAIL
Mail your enrollment form with credit card information or a check, made payable to:

Inova Health System
**Office of Continuing Medical Education
Physicians Conference Center
3300 Gallows Road
Falls Church, VA 22042-3300**

Confirmation

Confirmation and directions will be sent to you via mail. Please call Valada Bracher at 703-776-6471 if you do not receive a confirmation notice prior to the conference.

Program Planning Committee

Zobair M. Younossi, MD, MPH
Medical Director,
Inova Research Center
Co-Director, George Mason University - Inova Health System
Translational Research Institute

Vikas Chandhoke, PhD
Associate Dean for Research
College of Arts and Sciences at George Mason University
Co-Director, George Mason University - Inova Health System
Translational Research Institute

Lance A. Liotta, MD, PhD
Co-Director,
Center for Applied Proteomics and Molecular Medicine
George Mason University - Inova Health System
Translational Research Institute

Emanuel F. Petricoin, III, PhD
Co-Director,
Center for Applied Proteomics and Molecular Medicine
George Mason University - Inova Health System
Translational Research Institute

Scarlett Magee, MS
Project Manager & Research Coordinator
George Mason University - Inova Health System
Translational Research Institute

Valada Bracher
Manager, Office of Continuing Medical Education
Inova Health System

Inova Health System is a not-for-profit health care system based in Northern Virginia that consists of hospitals and other health services including emergency and urgent care centers, home care nursing homes, mental health and blood donor services, and wellness classes. Governed by a voluntary board of community members, Inova's mission is to provide quality care and to improve the health of the diverse communities we serve.

Registration and Cancellation

Tuition, as listed below, includes conference attendance, breakfast, lunch, refreshment break, and syllabus. Paid-in-full registration fee is required for admittance. Onsite registration will be accepted only if space permits. Should there be a need to cancel more than two weeks prior to the conference, CME will provide a refund less a \$25 processing charge. Cancellations must be received at the CME office in writing. The registration fee is nonrefundable for cancellations received within two weeks of the conference date.

Enrollment Form #410601 TRANSLATIONAL RESEARCH IN CLINICAL MEDICINE

*PLEASE PRINT CLEARLY:

Dr./Ms./Mr.

(please circle) First Name Last Name Degree

Specialty Occupation

Preferred Address Preferred Phone

City, State, ZIP Fax Number

E-mail

Name of Primary Affiliation (hospital, clinic, university, etc.)

Please inform us if you require special assistance or other reasonable accommodations when you enroll.

DETERMINE YOUR TUITION: (payment must accompany registration)

- Registration**
- \$225 All Non Inova and GMU Affiliates
 - \$75 Inova and GMU Affiliated Physicians and Scientists
 - \$50 Inova and GMU Affiliated Researchers, Nurses and Other Allied Health Care Professionals
 - \$0 Residents, Fellows and Students (attach verification letter)

INDICATE METHOD OF PAYMENT:
 Check-made payable to Inova Health System
 Visa MasterCard Discover

Card Number _____
Name on Card _____
Exp. Date ____/____

SEND THIS ENROLLMENT FORM WITH PAYMENT TO:
Office of Continuing Medical Education
Physicians Conference Center
3300 Gallows Road
Falls Church, VA 22042-3300

**PHONE: 703-776-6471
FAX: 703-776-2046**