



THE END of DISEASE,
the BEGINNING
of a NEW KIND of
HEALTH CARE

Predictive Health – State of the Art
A story in four parts
Monday- December 17, 2007

- 8:30am **Opening**
Michael M.E. Johns, MD, Chancellor
Emory University
- 8:45am **Welcome from Georgia Tech**
Wayne Clough, PhD, President
Georgia Institute of Technology
- 9:00am **Welcome from Emory**
James Wagner, PhD, President
Emory University
- 9:15am **Keynote Lecture: Genetic Protection from Coronary Artery Disease**
Helen H. Hobbs, MD (Introduced by Dr. Stephen Warren)
Investigator, Howard Hughes Medical Institute
Professor of Internal Medicine and Molecular Genetics
University of Texas Southwestern Medical Center
- 10:15am **Break**
- 10:30am **Part One: Defining and Measuring Health**
(Michelle Lampl, PhD, MD, Chair)
- What is Population Health?*
David A. Kindig, MD, PhD
University of Wisconsin
Department of Population Health Science
- Title TBD*
William H. Dietz, MD, PhD
Centers for Disease Control and Prevention
- Disease in a Dish: Inconvenient Truths in Translation*
Marie E. Csete, MD, PhD
Associate Professor
Department of Anesthesiology
Emory University
- 11:45am **Discussion and QA**

THE EMORY/GEORGIA TECH PREDICTIVE HEALTH INITIATIVE



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12:00pm

Break – Lunch in Salon I, II, III

1:30pm

Part Two: Discovering Optimal Markers of Health
(Mark Bouzyk, PhD, Chair)

Genome Wide Association Studies: Hunting for Genes in the New Millennium

Teri Manollo, MD, PhD

Director, Office of Population Genomics

Senior Advisor to the Director, NHGRI, for Population Genomics

National Human Genome Research Institute

Glycomics of Human Diseases – Functions and Malfunctions of Complex Carbohydrates

Richard D. Cummings, PhD

William Patterson Timmie Professor and Chair, Department of Biochemistry

Emory University

Discovering Optimal Markers of Health—A lipidomics perspective

Alfred H. Merrill, Jr., PhD

Professor and Smithgall Institute Chair in Molecular Cell Biology

Georgia Institute of Technology

2:45pm

Discussion and QA

3:00pm

Predictive Health: the Emory-Georgia Tech Initiative

Kenneth L. Brigham, MD

Associate Vice President, Predictive Health

Vice Chair for Research, Department of Medicine

Associate Director for Research, McKelvey Lung Transplant Center

3:30pm

Lessons from Day 1

Michael M.E. Johns, MD, Chancellor

Emory University



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Opening

Fred Sanfilippo, MD, PhD

CEO, Woodruff Health Sciences Center
Executive Vice President for Health Affairs
Chairman of the Board, Emory Healthcare

8:45am

Keynote Lecture

Individual Medicine: Cornerstone of a Health and Healthcare System

Denis A. Cortese, MD (Introduced by Dr. Michael Johns)

President
CEO of Mayo Clinic

9:45am

Break

10:15am

Genomic Medicine: The Next Manhattan Project

Jeff Balsem, MD, PhD (Introduced by Dr. Fred Sanfilippo)

Associate Vice-Chancellor for Research
Vanderbilt University

10:30am

Part Three: Identifying Interventions to Optimize Health

Sue K. Donaldson, PhD

Distinguished Professor, School of Nursing
Emory University

Can We Identify the Impact of Interventions on Population Health?

Jonathan M. Samet, MD, MS

Chairman; Jacob I and Irene B. Fabrikant Professor in Health, Risk and Society
Johns Hopkins University

Breaking the cycle: Understanding how social inequities increase disease risk

Mark E. Wilson, PhD

Yerkes Nat'l Primate Research Center
Emory University

Nutrigenetics and Nutrigenomics: Emerging opportunities for personalized nutrition with expanded newborn screening

Rani H. Singh PhD, RD

Associate Professor
Director, Emory Genetics Metabolic Nutrition Program
Department of Human Genetics

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- 11:45am Discussion and QA
- 12:00pm Break – Lunch in Salon I, II, III
- 1:30pm **Part Four: Determining How to Apply New Knowledge to Individuals and Populations World-wide**
Leader: Muin Khoury
- Using Genetic information to effect behavior change*
Colleen M. McBride, PhD
National Institutes of Health
Chief & Senior Investigator, Social and Behavioral Research Branch
Head, Public Health Genomics Section
- Developing the evidence base for applying genomic applications to predict health and prevent disease*
Linda Bradley, PhD
Geneticist, Team Leader
National Office of Public Health Genomics,
Centers for Disease Control and Prevention
- Can newborn screening be used to define and predict health? Challenges and Opportunities*
Paul M. Fernhoff, MD, FAAP, FACMG
Associate Professor of Human Genetics and Pediatrics
Emory University
- 2:45pm Discussion and QA
- 3:00pm Break
- 3:15pm **Special Lecture OR Roundtable Discussion**
To be Announced
- 4:30pm **Lessons from Day 2 and Symposium Closing Remarks**
Fred Sanfilippo, MD, PhD
CEO, Woodruff Health Sciences Center
Executive Vice President for Health Affairs
Chairman of the Board, Emory Healthcare