

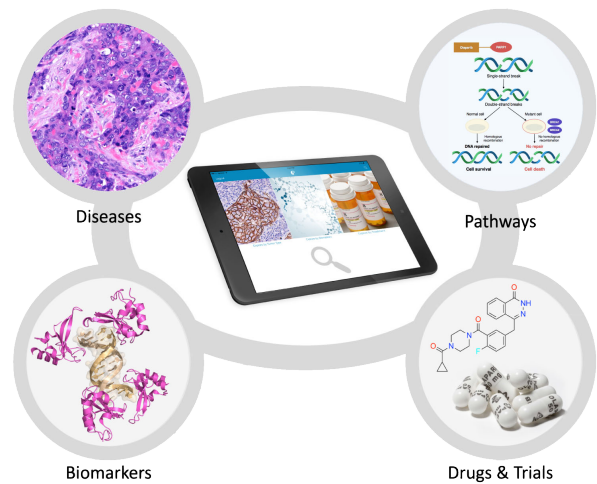


***SPECIAL SEMINAR:***  
**PRECISION DIAGNOSIS FOR PRECISION**  
**MEDICINE:**  
**CASE STUDIES IN KNOWLEDGE**  
**VISUALIZATION AND DECISION SUPPORT**

WEDNESDAY, JANUARY 20, 2016

12:00 – 1:00 PM  
EAST PAVILION, 2<sup>ND</sup> FLOOR,  
646 CONFERENCE ROOM

Lunch provided



Dr. Mark Boguski  
Beth Israel Deaconess Hospital  
Harvard Medical School  
Founder, Genomic Medicine Initiative at  
Beth Israel Deaconess Hospital, 2009  
Founder & Chief Medical Officer,  
Precision Medicine Network, Inc.  
[www.precisionready.com](http://www.precisionready.com)

In January 2015 President Obama launched the Precision Medicine Initiative with one goal to "bring us closer to curing diseases like cancer." Part 1 of this presentation will define precision medicine in terms of its 3 essential attributes and provide a brief history of precision medicine from 2001-2015. Part 2 will describe molecular pathways as the new "grammar" of drug discovery and how this concept relates to molecular subtyping of tumors and companion diagnostics for targeted therapies. Part 3 will describe the knowledge gap created by the new molecular "taxonomy" of cancer and show how the vocabulary of biomarkers and genes plus the grammar of molecular pathways determine the precision diagnosis of cancer. Part 4 will present a case study of knowledge visualization and integrated decision support for patient care. Part 5 will identify "histology-independent" criteria for patient participation in basket trials of new drugs and recognize basket treatments as a potential new standard of care. Part 6 will assess technology access, resource utilization, comparative effectiveness research and the challenges and opportunities of delivering on the promise of precision medicine.

Dr. Boguski is a pioneer in the fields of biomedical informatics and genomics and has previously held faculty positions at the Johns Hopkins University School of Medicine, the U.S. National Institutes of Health, the U.S. National Library of Medicine and as an executive in the biotechnology and pharmaceutical industries. He was the Founding Director of the Allen Institute for Brain Science and is a former Vice President of Novartis. Dr. Boguski is a Visionary and Influencer according to the Personalized Medicine Coalition and has been credited by Forbes as the originator of the term "precision medicine." Dr. Boguski is a member of the Institute of Medicine of the U.S. National Academies, the American College of Medical Informatics, the Society for Participatory Medicine and is also a Fellow of the College of American Pathologists. He is a graduate of the Medical Scientist Training Program at Washington University in St. Louis.

**HOST: JON S. MORROW, MD, PhD, PROFESSOR AND CHAIR**  
QUESTIONS: CYNTHIA ZIEHL 203 785-6031