

# Dr. Mia A. Levy on "Informatics to Support Genome-Directed Cancer Medicine," Dec. 12



## SYNOPSIS:

Genome-directed cancer therapy holds great promise for the future of cancer treatment; however, many challenges remain. This talk will review the informatics challenges and solutions related to the Vanderbilt Personalized Cancer Medicine Initiative. Dr. Mia Levy will present Vanderbilt's initial solution including how tumor gene-mutation testing results were integrated into the electronic health record with a link to a decision-support knowledge service to assist providers in understanding actionable gene-directed therapies including local and national clinical trials. The resource, called "My Cancer Genome," is now publicly available at [MyCancerGenome.org](http://MyCancerGenome.org). Dr. Levy will describe the development and maintenance of this application including the annotation of the National Cancer Institute PDQ clinical trial registry with gene associations. [Session details ...](#)

## BIO:

Dr. Levy is the Ingram Assistant Professor of Cancer Research, an Assistant Professor of Biomedical Informatics and Medicine, and the Director of Cancer Clinical Informatics for the Vanderbilt-Ingram Cancer Center. She is the informatics lead for both the Vanderbilt Personalized Cancer Medicine Initiative (PCMI) and the Vanderbilt Oncology Information System (VOIS). She is also the faculty lead for the Vanderbilt Ingram Cancer Center Research Informatics Core (RIC).

Dr. Levy's research interests include biomedical informatics methods to support the continuum of cancer care and cancer research. Current research projects include informatics methods for 1) image-based cancer treatment response assessment using quantitative imaging; 2) clinical decision support for treatment prioritization of molecular subtypes of cancer; 3) protocol-based plan management; and 4) learning cancer systems. Dr. Levy is also a practicing oncologist specializing in the treatment of breast cancer. She received her M.D. from Rush University and her Ph.D. in biomedical informatics from Stanford University.

## SUMMARY:

Topic: Informatics to Support Genome-Directed Cancer Medicine

Speaker: Mia A. Levy, M.D., Ph.D.

Date: Wednesday, December 12, 2012

Time: 11 AM – 12 PM

Presentation: A screencast of the presentation will be available for viewing after the event on the [NCI CBIIT Speaker Series YouTube playlist](#).

## About the NCI CBIIT Speaker Series:

The National Cancer Institute (NCI) Center for Biomedical Informatics and Information Technology (CBIIT) Speaker Series is a bi-weekly knowledge-sharing forum featuring both internal and external speakers on topics of interest to the biomedical informatics and research communities. For additional information, including past speaker series presentations, visit the [CBIIT Speaker Series page](#).

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