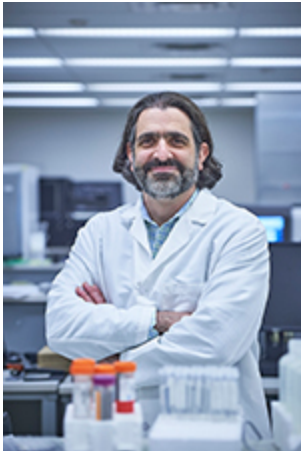


May 10, Adam Resnick, Innovation Through Collaboration: New Models Emerging in Pediatrics for an Integrated Data-driven Healthcare Ecosystem



SYNOPSIS:

Pediatric cancers are the leading cause of disease-related death in children, but are defined as a rare disease when contrasted to adult tumors. Because of this classification, pediatric cancer discovery efforts are challenging due to a more limited basic and translational data-driven research infrastructure. As such, harnessing the potential for accelerated discovery through large-scale molecular/genomic data-generation and analysis platforms requires new approaches and tools for collaborative discovery on behalf of the rare disease patient-community. The Children's Hospital of Philadelphia and its partnered consortia-based institutions have piloted a series of data-focused initiatives which span biospecimen-driven pediatric cancer research, clinical trials, data storage, analysis, and visualization platform-development. Covered in the presentation will be our experiences over the past five years in these efforts and the partnered development of *CAVATICA*, a data analysis platform designed to both facilitate the rapid integration and analysis of genomic data from multiple diseases affecting children and enable transdisciplinary discovery via interoperability with the Genomic Data Commons and other NIH data repositories.

[Session details...](#)

BIO:

Adam Resnick, Ph.D., is the Director of Data Driven Discovery in Biomedicine (D3b) at Children's Hospital of Philadelphia (CHOP). His research is focused on defining the cell signaling mechanisms of oncogenesis and tumor progression in brain tumors. Resnick's research lab studies cell signaling cascades and their alterations in pediatric brain tumors to elucidate the molecular and genetic underpinnings of each tumor in an effort to identify and develop targeted therapies. Dr. Resnick serves as Scientific Chair for several consortia-based efforts, including the Children's Brain Tumor Tissue Consortium (CBTTC) and Pacific Pediatric Neuro-Oncology Consortium (PNOC), which include more than 20 pediatric hospitals across the globe. As director of D3b, Dr. Resnick leads a multidisciplinary team to build and support a scalable, patient-focused healthcare and educational discovery ecosystem on behalf of all children.

SUMMARY:

Topic: Innovation Through Collaboration: New Models Emerging in Pediatrics for an Integrated Data-driven Healthcare Ecosystem

Speaker: Adam Resnick, Ph.D.

Date: Wednesday, May 10, 2017

Time: 11 AM – 12 PM ET

WebEx: <https://cbit.webex.com/cbit/onstage/g.php?MTID=eb4d9b5142006405791fda136785bf8ee>

Event Number: 733 632 295

Event Password: \$Peakerseries17

Room: Seminar Room 110, Terrace East Level

You are invited to listen to Dr. Resnick's presentation in the NCI Shady Grove Building on Medical Center Drive or via WebEx.

Presentation: A screen cast 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 presents talks from innovators in the research and informatics communities. The biweekly presentations allow thought leaders to share their work and discuss trends across a diverse set of domains and interests. The goals of the Speaker Series are: to share leading edge research; to inform the community of new tools, trends, and ideas; to inspire innovation; and to provide a forum from which new collaborations can begin. For additional information, including past speaker series presentations, visit the [CBIIT Speaker Series page](#).

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