Copy of CBIIT Speaker Series Page

Upcoming Speaker:

March 27, 2019

Mr. Samir Courdy and Dr. Joyce Niland

A Systematic Approach to Building Natural Language Processing (NLP) for Automated Extraction of Data from Clinical Reports

An invitation: If you are interested in presenting your work to our diverse audience of informaticists; basic, translational, and clinical researchers; software developers; and others interested in exploring the uses of informatics in cancer research, contact Eve Shalley at eve.shalley@nih.gov or 240-276-5194.

CBIIT Links

- CBIIT website
- NCI Cancer Data Science on X (formerly Twitter) @ NCIDataSci

Welcome to the CBIIT Speaker Series Wiki

The NCI Center for Biomedical Informatics and Information Technology (**CBIIT**) **Speaker Series** presents talks from innovators in the research and informatics community. 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.

Speakers represent many different institutions, and the topics they address are wide-ranging. View a list of all past speakers, and view their presentations on our NCI CBIIT Speaker Series YouTube playlist!

For help accessing NCI CBIIT Speaker Series files, go to Help Downloading Files.

Location: 9609 Medical Center Drive, Rockville, Maryland 20850

Speaker Series Guidelines for Speakers: Download Word document

Questions or suggestions? If you have questions or would like to recommend a speaker, please email Eve Shalley at eve.shalley@nih.gov.

Upcoming Speakers:

March 27, 2019: Samir Courdy, Huntsman Cancer Institute, and Joyce Niland, City of Hope

April 24, 2019: Gordon Harris, PhD, Professor, Radiology, Harvard Medical School, Director, 3D Imaging Service, Massachusetts General Hospital

June 5, 2019: Peter James, Assistant Professor, Harvard Medical School and Harvard Pilgrim Health Care Institute

CBIIT Speakers

June 5, James, TBD
Warmington, Christina (NIH/NCI) [C] posted on May 02, 2019

Session details...

Apr 24, Harris, NCI-funded Clinical Trials Imaging Informatics, Machine Learning, and Open Source Web Viewer Technologies
Warmington, Christina (NIH/NCI) [C] posted on Apr 01, 2019

Over the past 15 years, our group at the Dana-Farber/Harvard Cancer Center (DF/HCC) has built an evolving oncology clinical trials imaging informatics platform, Precision Imaging Metrics. This platform was built by and for the DF/HCC Tumor Imaging Metrics Core to manage the workflow, image assessments, communication, reporting, billing, and compliance needs of our cancer center and is currently used as a CCSG shared resource to manage over 1,000 active DF/HCC clinical trials and over 15,000 time point assessments per year, with turnaround time as fast as one hour after the scan. This software has been implemented at seven NCI-designated Cancer Centers around the country to improve clinical trials imaging assessment quality, compliance, and efficiency. NCI funding has been critical in the development and evolution of this software platform: a variety of grant mechanisms (CCSG, ITCR U24, SBIR, AIP) have supported our efforts in various ways as the project has grown and matured. This presentation will summarize the phases of the project and the ways NCI funding has supported us throughout the product life cycle.

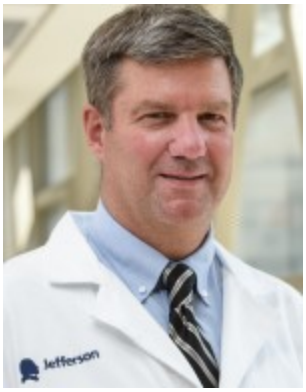
Session details...

Mar 27, Niland, NLP for Automated Extraction of Data from Clinical Reports
Warmington, Christina (NIH/NCI) [C] posted on Mar 01, 2019

Natural language processing (NLP) applied to unstructured text of patient records can assist in codifying data elements. We will describe the portability and reusability of NLP queries across institutions, introducing a technique called "Iterative Interactive Enrichment" to optimize identification of discrete data points within pathology reports for Non-Hodgkin's Lymphoma (NHL) patients.

Session details...

Feb 27, Thomas Klumpp, BRIDG Harmonized Cancer Research Information System
Warmington, Christina (NIH/NCI) [C] posted on Feb 15, 2019



A major barrier to the conduct of biomedical research is how difficult it is to share biomedical research data, both within and between institutions. Data located in different data repositories are almost always organized, categorized, and represented in different ways. This problem has been referred to as “the Chasm of Semantic Despair.” In an attempt to address this problem, the Cancer Informatics group at the NCI, in collaboration with their colleagues at the FDA, ISO, HL7, and CDISC, developed a new international standard data model for biomedical research called the Biomedical Research Integrated Domain Group (BRIDG) model. The purpose of the BRIDG model is to “bridge” the large number of Chasms of Semantic despair that exist both within and between academic medical centers, pharmaceutical companies, and government regulators. The Sidney Kimmel Cancer Center at Thomas Jefferson University in Philadelphia, has successfully designed and implemented a cancer research information system based on the NCI-BRIDG model. In this talk. Dr. Klumpp will describe how the BRIDG model has been implemented in the cancer research information system at Thomas Jefferson and the benefits of such an integrated system.

Session details...

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