

CBIIT Guest Seminar : Streamlined Transfer and Sharing of Large-scale Sensitive Data to Advance Cancer Research

Topic: Streamlined Transfer and Sharing of Large-scale Sensitive Data to Advance Cancer Research

When: Thursday, September 22, 2016, 2:00 PM – 3:00 PM ET

Where: NCI Shady Grove Building Room 2W910-912

Or via WebEx: <https://cbiit.webex.com/cbiit/onstage/g.php?MTID=ef9811b3f94f17a6f2fae2da71526bdab>

Event number: 732 767 995

Password: \$Foster922

Speaker: Ian Foster, Ph.D.

Senior Fellow, Director of the Computation Institute, a joint institute of the University of Chicago and Argonne National Laboratory
Argonne Senior Scientist & Distinguished Fellow
Arthur Holly Compton Distinguished Service Professor of Computer Science

[Read Dr. Foster's professional bio.](#)

Presentation synopsis: Advances in genomics and data analytics create new opportunities for cancer research and personalized medical treatment via large-scale federation of genomic, clinical, imaging and other data from many thousands of patients across institutions around the world. Despite these opportunities and promising early results, cancer research is often stymied by information technology barriers. One major barrier is a lack of tools for the reliable, secure, rapid, and easy transfer, sharing, and management of large collections of human data. In the absence of such tools, security and performance concerns often prevent sharing altogether or force researchers to resort to slow and error prone shipping of physical media. If data are received, timely analysis is further impeded by the difficulties inherent in verifying data integrity and managing who can access data and for what purpose. Dr. Foster will discuss how the mature Globus data management platform addresses these obstacles to discovery and explain how its intuitive, web-based interfaces enable use by researchers without specialized IT knowledge.

Anthony R. Kerlavage, Ph.D.

Chief, Cancer Informatics Branch
National Cancer Institute
Center for Biomedical Informatics & Information Technology