

# February 4: Ann Christine Catlin and Dr. Marietta Harrison: Collaborative Data Sharing at the Hub



## SYNOPSIS:

The HUBzero platform offers unique features to support collaboration among researchers, among them the deployment of computational tools and the dissemination of scientific resources. A fundamental need for collaborative research projects is the collection, sharing and exploration of data. This presentation describes the Hub-based "data technologies" which are designed to provide interactive, web-based data sharing and have been used to create more than 40 medical and scientific research databases across 10 Hubs. We will present examples that demonstrate how Hub databases connect and serve communities across the globe – with data contribution facilities to store and preserve valuable research data, and powerful feature-rich data exploration facilities to search, navigate, drill-down, link, filter, export and analyze data. Research communities are well served by HUBzero, which unites data, tools and collaborative technologies on a single web-based platform.

[Session details...](#)

## BIOs:

Ann Christine Catlin is a Senior Research Scientist with the Rosen Center for Advanced Computing at Purdue University. Ms. Catlin has an M.S. in Mathematics from Notre Dame University, and worked at several companies, both large (Bell Labs) and small (Applied Data Research) before coming to Purdue. She was in the Computer Science Department for 12 years, where she worked on problem-solving environments for partial differential equations-based applications. Ms. Catlin then moved to the Rosen Center, where she has worked for the past seven years to create and advance "data technologies" for the HUBzero® cyber-infrastructure.

Dr. Marietta L. Harrison was named Associate Vice President for Research in 2009 and Special Advisor, Strategic Initiatives Office of Research and Partnerships in 2014 at Purdue University. In this position she is charged with responsibility for various aspects of research administration, internal funding, internal research policies and aspects of research stewardship. Harrison is a professor in the Department of Medicinal Chemistry and Molecular Pharmacology and serves as the Director of the Oncological Sciences Center in Discovery Park and the Associate Director for the Purdue University Center for Cancer Research. Her research interests lay in the area of immune cell activation and the role of immunity in cancer surveillance. The Harrison laboratory studied the mechanisms underlying the function of the pivotal tyrosine kinase Lck and the group has published over 60 articles in peer-reviewed journals. Dr. Harrison received a doctoral degree in Biochemistry from the University of Wyoming in 1980 and holds a bachelor's degree in Chemistry from the University of New Hampshire.

## SUMMARY:

Topic: Collaborative Data Sharing at the Hub: Serving Communities of Research and Practice

Speaker: Ann Christine Catlin and Dr. Marietta Harrison, Purdue University

Date: Wednesday, February 4, 2015

Time: 11 AM – 12 PM ET

You are invited to listen to Ms. Catlin and Dr. Harrison's presentation in Room 2W908 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 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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