bhi biomedical and health informatics

UNIVERSITY OF WASHINGTON

Biomedical and Health Informatics Lecture Series

Tuesday, February 1, 2011
12:00 - 12:50 p.m., Room E-216

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Professor of Biomedical and Health Informatics
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"Amalga in the context of data integration for clinical and translational research"

At the University of Washington data integration has been used for fifteen years to support clinical care, enhance bench (basic) research and for the curation of biomedical knowledge. In 2006 at the National Institutes of Health launched a major initiative to enhance clinical and translational research capacity in the U.S. Since then there has been a significant expansion of biomedical informatics and information technology in support of this type of research. A key component of this support has been integration of diverse types of data. This talk will cover these themes with an emphasis on the diverse ways in which the University of Washington has been addressing these challenges and leveraging the Amalga platform in the process.

Dr. Peter Tarczy-Hornoch is a Professor of Neonatology, Professor of Biomedical and Health Informatics, and Adjunct Professor of Computer Science and Engineering at the University of Washington (UW), Seattle, WA. He is an elected Fellow of the American College of Medical Informatics (FACMI) and an elected member of the Society for Pediatric Research. He serves as the Head of the Division of Biomedical and Health Informatics where he also serves in a variety of leadership roles throughout the School of Medicine including a) Director of Research and Data Integration for UW Medicine Information Technology Services (UW clinical computing operations group), b) Director of the Biomedical Informatics Core of the Institute of Translational Health Sciences (the UW CTSA), c) Director of the Informatics Core of the Northwest Institute of Genetic Medicine, and d) Director of the Biomedical Informatics Core of the Surgical Care Outcomes Assessment Program WA State Comparative Effectiveness Research Trial Network (SCOAP CERTN). His current research in collaboration with computer and information scientists focuses broadly on data integration of biomedical and health data including looking at ways of handling structured and semi structured data, representing uncertainty at various levels in the system, and doing computerized reasoning over integrated data.