Biomedical and Health Informatics Series
Tuesday, October 3rd, Room RR 134

Peter Tarczy-Hornoch, MD
Professor, Division of Neonatology in the Department of Pediatrics, Professor and Head, Division of Biomedical and Health Informatics in the Department of Medical Education and Biomedical Informatics, Adjunct Professor, Department of Computer Science

"The Coming Convergence of Genomics, Computing and Clinical Care"

Over the last half century there has been tremendous progress in our scientific understanding of genetics, computer science, and the scientific basis of clinical care. Computers and the World Wide Web have become ubiquitous in society and in clinical practice. Genetic testing, electronic journals, electronic clinical reference materials, evidence based practice, and electronic medical records are becoming wide spread in the clinical arena. The talk will focus on the relationship between these trends, the role that biomedical and health informatics has played, and implications for the future.

Dr. Tarczy-Hornoch has 26 years software development expertise (biomedical instrumentation, bioinformatics, clinical informatics), 17 years of clinical practice (pediatrics, neonatology). At UW he serves as Head, Division of Biomedical and Health Informatics (www.bhi.washington.edu) , Director and PI of the UW NIH NLM funded Biomedical and Health Informatics Research Training Program, Deputy Director of the UW Biomedical and Health Informatics Graduate Program. External to the UW he serves as co-chair of the IMIA Informatics in Genomic Medicine Working Group, member of the Editorial Board for Journal of the American Medical Informatics Association (www.jamia.org). He is a member of the Scientific Advisory committee for the Harvard NCBC i2b2 (www.i2b2.org) and for the Gene Ontology Consortium (www.geneontology.org). He is an elected Fellow of the American College of Medical Informatics (www.amia.org/college/)and an elected Fellow of the Society for Pediatric Research. His current research interests are: a) data integration system for cross database queries for functional gene annotation (BioMediator - www.biomediator.org, formerly GeneSeek), b) Uncertainty in information integration, (linked from www.biomediator.org), c) Biomedical informatics support for translational and clinical research (www.seattlectsa.org), d) past research on database of available genetic testing and on the application of genetic testing (GeneTests - www.genetests.org, co-PI 1995-2004, consultant 2004-)

The Biomedical and Health Informatics lecture series covers current topics and developments in Biomedical and Health Informatics. Presenters include faculty, students, researchers and developers from the University of Washington, other academic institutions, government, and industry (locally and nationally). The intended audience is the broader University of Washington and Seattle area community with an interest in BHI as well as BHI faculty and students.

Series Website: http://courses.washington.edu/mebi590/