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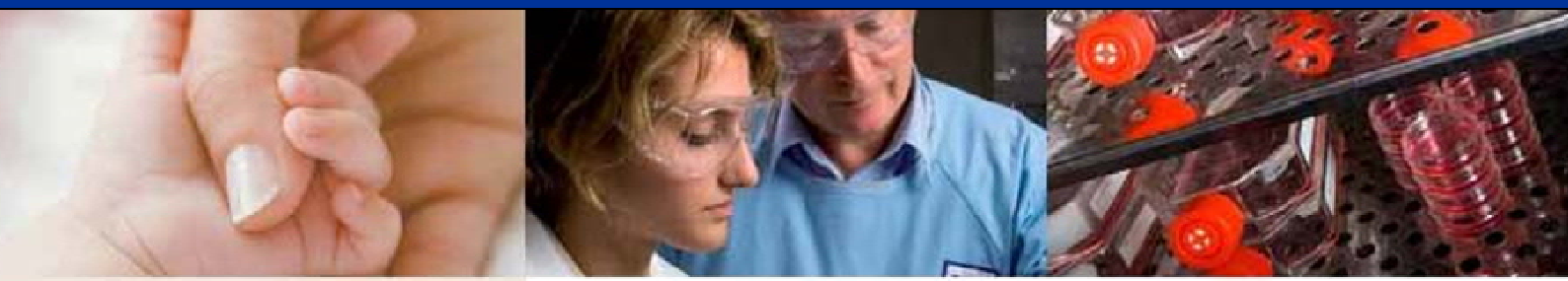

Linking research to better health.

Sansom Institute Visiting Researcher Seminar

Date: Wednesday 16 November 2011

Time: 4:00pm – 5:00pm

Place: PM-06 (northern stairwell mezzanine between floors 2 & 3)
Playford Building
City East Campus
University of South Australia
Frome Road, Adelaide

RSVP: 15 November 2011
sansominstitute@unisa.edu.au

The Sansom Institute for Health Research is pleased to invite you to a Visiting Researcher Seminar.

Associate Professor Brad Malin

Department of Biomedical Informatics, School of Medicine
Vanderbilt University, Nashville, USA

A Risk-based Model for Health Data De-identification

Brad Malin is an Associate Professor of Biomedical Informatics and Computer Science at Vanderbilt University, where he directs the Health Information Privacy Laboratory (HIPLab). Under his direction, the HIPLab has developed various approaches to trustworthy health data management, including intelligent auditing technologies to protect electronic medical records from misuse in the context of primary care and algorithms to formally anonymize patient information disseminated for secondary research purposes. Research artifacts from the HIPLab have received several awards of distinction from the American and International Medical Informatics Associations. Beyond his scientific work, he has assisted various regulatory bodies in reasoning about the interplay of data privacy technologies and policy.

In 2010, Dr Malin was honored as a recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE). He completed his education at Carnegie Mellon University, where he received a bachelor's in biological sciences, a master's in data mining and knowledge discovery, a master's in public policy and management, and a doctorate in computer science.

Over the past decade, an increasing number of detective-like investigations have illustrated that "de-identified" health and genomic data is susceptible to "re-identification". In this talk, Dr Malin will review how the re-identification phenomenon has transpired in the health domain, but also investigate how social, computational, and legal constraints influence the risk of a successful attack.