



香港浸會大學  
HONG KONG BAPTIST UNIVERSITY  
計算機科學系  
Department of Computer Science

# Department of Computer Science Distinguished Lecture Series 2016/17

**Prof. Lucila Ohno-Machado**

Professor and Chair in Biomedical Informatics  
Associate Dean for Informatics and Technology  
University of California, San Diego



**27 April 2017 (Thursday)  
4:30 - 5:30pm**

OEE1017, Oen Hall (East Wing),  
Ho Sin Hang Campus, HKBU



## Building a Biomedical Research Digital Commons

### *Abstract*

The increasing availability of healthcare and biomedical research data is affording data scientists with increasing opportunities to develop, implement and evaluate new algorithms and tools that can have a direct impact in human health. A digital commons where data, software, and workflows can be discovered, accessed, and used for new investigations requires a concerted effort on the part of researchers, funding agencies, and healthcare organizations to build a sustainable digital ecosystem. In this presentation, I will describe some steps towards the development of such ecosystem, focusing on data discovery, privacy technology, and infrastructure for a biomedical research and healthcare digital commons.

### *Biography*

Lucila Ohno-Machado, MD, MBA, PhD received her medical degree from the University of São Paulo and her doctoral degree in medical information sciences and computer science from Stanford. She is Associate Dean for Informatics and Technology, and the founding chair of the Health System Department of Biomedical Informatics at UCSD, where she leads a group of faculty with diverse backgrounds in medicine, nursing, informatics, and computer science. Prior to her current position, she was faculty at Brigham and Women's Hospital, Harvard Medical School and at the MIT Division of Health Sciences and Technology. Dr. Ohno-Machado is an elected fellow of the American College of Medical Informatics, the American Institute for Medical and Biological Engineering, and the American Society for Clinical Investigation. She serves as editor-in-chief for the Journal of the American Medical Informatics Association since 2011. She directs the patient-centered Scalable National Network for Effectiveness Research funded by PCORI (and previously AHRQ), a clinical data research network with over 24 million patients and 14 health systems, as well as the NIH/BD2K-funded Data Discovery Index Consortium. She was one of the founders of UC-Research eXchange, a clinical data research network that connected the data warehouses of the five University of California medical centers. She was the director of the NIH-funded National Center for Biomedical Computing iDASH (integrating Data for Analysis, 'anonymization,' and Sharing) based at UCSD with collaborators in multiple institutions. iDASH funded collaborations involving study of consent for data and biospecimen sharing in underserved and under-represented populations.

### *Enquiry*

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