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| yangxc-photo.jpg | Xiaochun Yang is a full professor in the College of Information Science and Engineering at Northeastern University, China. She is now a member of the Database professional committee and Collaborative Computing professional committee of CCF (China computer society). She got her Ph.D. degree at Northeastern University in 2001 and was a postdoctoral research at Brigham Young University from 2001 to 2003. She was a visiting scholar at UC Irvine on the falls of 2003, 2006, and 2007. She also visited the Chinese University of Hong Kong in 2006 and the Hong Kong University of Science and Technology in 2012 as a visiting professor. Her research interests include database systems, data quality management, privacy preserving data publishing, and big data.  Dr. Yang has published more than 100 papers in refereed journals and conferences, including SIGMOD, VLDB, ICDE, TKDE, etc. She holds one US patent and one Chinese patent. Dr. Yang is a member of the ACM, the IEEE, and CCF. She was the guest editor of Multimedia Tools and Application (2011-2014) and editor of Journal of Frontiers of Computer Science and Technology from 2011. Dr. Yang received Outstanding Young Scholars award from National Natural Science Foundation of China in 2013, and an award from Fok Ying-Tong education foundation in 2006. She was chosen as the new century excellent researcher from the ministry of education in China in 2006, . She also received the natural science prize (second level) from the ministry of education in China in 2007 and Progress prize in science and technology in Liaoning province (third level) in 2002 with her colleagues. |

Title：

Big Biological data -- Challenges & Opportunities

Abstract：

Recent advances in next-generation sequencing technologies have made DNA sequencing orders of magnitude faster and cheaper than ever before. Massive amounts of sequence data are being generated daily. The ushering of personal genomics era brings significant computational challenges on how to handle the large scale genomic data in a daily life. In this talk, I first review challenges and opportunities in the area of biological data management, and then I’ll briefly introduce our ongoing project, a biological data management platform.