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Dr. Jie Zheng is a tenure-track Assistant Professor at the School of Computer Engineering (SCE), Nanyang Technological University (NTU), Singapore. He is affiliated with Biomedical Informatics Graduate Lab at SCE, and Complexity Institute, NTU. In addition, he holds an adjunct faculty position (senior research scientist) with Genome Institute of Singapore (GIS), A*STAR. After receiving his B. Eng (first class honors) in 2000 from Zhejiang University in China, and Ph.D. in 2006 from the University of California, Riverside, both in Computer Science, he worked as a Visiting Fellow and then Research Scientist at the National Center for Biotechnology Information (NCBI), National Library of Medicine (NLM), National Institutes of Health (NIH), USA. He joined NTU in February 2011.

His research interests include bioinformatics and computational biology as applied in genomics and molecular systems biology. His group aims to develop novel algorithms and *in silico* models to help answer Biomedical questions (e.g. biological mechanisms of cancer and ageing). While trained as a Computer Scientist, Dr. Zheng maintains active and long-standing collaborations with Life Scientists. His current research is focused on dynamical and statistical modeling of signaling pathways and gene regulatory networks underlying cell fate decision, with applications in stem cell and cancer research. His recent grants include an Academic Research (AcRF) Tier 2 grant by Ministry of Education, Singapore, for a project on cancer systems biology of synthetic lethality as a novel anti-cancer therapeutic strategy, and an AcRF Tier 1 seed grant on Complexity from NTU Complexity Institute on *in silico* modeling of cellular ageing and stem cell based rejuvenation.