



**CITATION FOR ASSOCIATE PROFESSOR QIU ANQI**

**YOUNG RESEARCHER AWARD**

This year's Young Research Award recipient Associate Professor Qiu Anqi is recognised internationally for her significant contributions to the field of neuroimaging. She developed a series of mathematical algorithms for understanding the brain anatomical organisation using magnetic resonance images. These algorithms laid out the mathematical foundation for the construction of the brain anatomical atlas, which is important for performing statistical inferences on complex brain morphology. Her research demonstrated the importance of quantitative medicine in predicting psychiatric diseases.

Anqi has recently been devoted to innovation in computational analyses of complex and informative datasets comprising disease phenotypes, genetics and neuroimages to understand the origins of individual differences in health throughout the human lifespan. Her research work has created a major component in clinical translational research on neurodevelopment and her expertise on paediatric neuroimaging has contributed significantly to paediatric care in Singapore. Results from her recent work have provided evidence for a biologically plausible explanation of how the environment might interact with the genome to influence the proteome. It is tantalising to envision a study in which

the power of genomics and neuroimaging is applied to the effects of an interventional birth cohort design aimed at treating maternal mental health.

Anqi has published extensively in the fields of medical image analysis and neuroimaging, with over 90 high-impact journal papers cited more than 2,000 times. The majority of her papers are published in prestigious IEEE journals on medical imaging and image processing as well as in top journals on neuroimaging, such as *Cerebral Cortex*, *Nature Translational Psychiatry* and *American Journal of Psychiatry*. She had received the NUS Young Investigator Award in 2010 and Young Faculty Research Award in 2013.

Please join me in congratulating Associate Professor Qiu Anqi on receiving the Young Researcher Award this evening!