CITATION FOR ASSISTANT PROFESSOR THOMAS YEO BOON THYE

YOUNG RESEARCHER AWARD

This year's Young Researcher Award recipient Assistant Professor Thomas Yeo is a rising star in the field of human brain imaging. He is internationally known for devising elegant machine learning algorithms to analyse large-scale magnetic resonance imaging data. Just as machine learning has begun to automate many complex human activities, such as driving a car and preparing legal documents, Thomas envisions a future where scientific discovery is automated.

By integrating machine learning and cognitive neuroscience, Thomas is able to answer fundamental questions about the human brain that can only be resolved by mining large quantities of data. Thomas' algorithms have generated atlases of human brain networks disseminated by Harvard Medical School and the US National Institute of Mental Health's Human Connectome Project. His team recently developed a class of algorithms that promises to provide insights into the nosology of mental disorders. This approach has already offered a deeper understanding into the heterogeneity of symptom severity and brain atrophy among patients with Alzheimer's disease.

Thomas has published over 30 research articles and commentaries in top journals,

including *Proceedings of the National Academy of Sciences*, *Nature*, *Nature Neuroscience*, *Neuron* and *Cerebral Cortex*. His work has been cited more than 4,500 times.

Thomas was the recipient of the NUS Engineering Young Researcher Award and the National Research Foundation Fellowship in 2017; the NUS Young Investigator Award in 2015; and the Medical Image Computing and Computer Assisted Intervention Society Young Scientist Publication Impact Award in 2011.

Please join me in congratulating Assistant Professor Thomas Yeo on receiving the Young Researcher Award this evening!