

SINGAPORE YOUTH AWARD 2009
SCIENCE AND TECHNOLOGY (INDIVIDUAL)

DR TONG JOO CHUAN



***“Excellence is a lifelong skill to be gained.
Every little effort you put in adds up to
make a world of difference.”***

Dr Tong Joo Chuan was the only Singaporean to be awarded the prestigious MIT’s Technology Review TR35 Award in 2008 for his research on computer-aided vaccine design. The annual award recognises the top 35 influential scientists worldwide.

Dr Tong’s expertise in immunoinformatics, an emerging area where computational methods are applied to problems in immunology, has earned him national and regional recognition in the life sciences field. In 2007, he was named the Annual Role Model by A*STAR’s Institute for Infocomm Research.



Dr Tong has co-authored three book chapters, 24 international journals and five conference publications. His works have been cited and highlighted in the international media and academic journals. In recognition of his scientific contributions, he has been invited to review and edit for more than 10 international journals and publications, and to speak at international seminars and conferences such as the Emerging Technologies Conference, MIT (USA). In addition, he has established a student council in the Association for Medical and Bio Informatics, Singapore (AMBIS) and is currently serving as President in the Association.

A passionate scientist, Dr Tong has mentored 51 students from the Ministry of Education's Science Mentorship Programme, A*STAR's



Young Researchers Attachment Programme, the polytechnics' Industrial Attachment Programme, as well as the National University of Singapore's Undergraduate Research Opportunities Programme in Science (UROPS) and Honours Year projects. Of these, 12 have gone on to receive awards. Dr Tong's dedication is also evident through his voluntary provision of online guidance and

training to more than 300 international and regional students.

For his scientific excellence and dedication to youths, Dr Tong Joo Chuan is conferred the Singapore Youth Award 2009.