

## FY2011 Awardees for NTU-NHG Innovation Seed Grant

Award Period: 1 December 2011 to 30 November 2013 (2 years)

No.	Project Title	Clinical Lead-Principal Investigator	Technical Lead-Principal Investigator
1	Development of a novel tissue engineering approach for microsurgical flap coverage	Dr Chew Yoon Chong Winston <i>Department of Orthopaedic Surgery Tan Tock Seng Hospital</i>	Professor Choong Swee Neo Cleo <i>School of Materials Science &amp; Technology College of Engineering, Nanyang Technological University</i>
2	Precise visualization of fine needle aspiration under ultrasound guidance using MEMS technique	Dr Vu Kien Fong Charles <i>Department of Gastroenterology Tan Tock Seng Hospital</i>	Professor Zhou Yu Feng <i>School of Mechanical &amp; Aerospace Engineering College of Engineering, Nanyang Technological University</i>
3	User feedback controlled power assisted leg with balance stabilisers for enabling walking tasks	Dr Adela Tow <i>Department of Rehabilitation Medicine Tan Tock Seng Hospital</i>	Professor Low Kin Huat <i>School of Mechanical &amp; Aerospace Engineering College of Engineering, Nanyang Technological University</i>
4	Mechanistic and pathological study of the genesis, growth, and rupture of abdominal aortic aneurysms	Dr Cheng Shin Chuen <i>Department of General Surgery Tan Tock Seng Hospital</i>	Associate Professor Ng Yin Kwee Eddie <i>School of Mechanical &amp; Aerospace Engineering College of Engineering, Nanyang Technological University</i>
5	Development of sustained release ganciclovir implant for treatment of CMV retinitis in HIV-AIDS patients	Dr Rupesh Agrawal <i>Department of Ophthalmology Tan Tock Seng Hospital</i>	Professor Terry W J Steele <i>School of Materials Science &amp; Technology College of Engineering, Nanyang Technological University</i>
6	Development of targeted ultra-sensitive contrast agent for hepatocellular carcinoma detection and treatment	Dr Tan Cher Heng <i>Department of Diagnostic Radiology Tan Tock Seng Hospital</i>	Professor Sierin Lim <i>School of Chemical &amp; Biomedical Engineering College of Engineering, Nanyang Technological University</i>
7	Development of an OCT-based screening tool for identifying narrow iridocorneal angles in the anterior segment of the eye	Dr Ng Kin-Wah James <i>Department of Ophthalmology Tan Tock Seng Hospital</i>	Professor Pina Marziliano <i>School of Electrical &amp; Electronic Engineering College of Engineering, Nanyang Technological University</i>
8	The use of interactive virtual reality exposure in the treatment of selective mutism	Dr Daniel Fung Shuen Sheng <i>Department of Child &amp; Adolescent Psychiatry Institute of Mental Health</i>	Associate Professor Chen I-Ming <i>School of Mechanical &amp; Aerospace Engineering College of Engineering, Nanyang Technological University</i>
9	Robot assisted social skills therapy in autism spectrum disorders	Dr Sung Min <i>Department of Child &amp; Adolescent Psychiatry Institute of Mental Health</i>	Associate Professor Chen I-Ming <i>School of Mechanical &amp; Aerospace Engineering College of Engineering, Nanyang Technological University</i>
10	A feasibility study of keratin as a tissue regeneration template for chronic wounds	Dr Mark Tang Boon Yang <i>National Skin Centre</i>	Professor Ng Kee Woei <i>School of Materials Science &amp; Technology College of Engineering, Nanyang Technological University</i>
11	Evaluating the growth inhibition effect of a new anticancer agent in animal with xenografted tumor derived from breast cancer patients	Dr Gilberto de Lima Lopes <i>Department of Medical Oncology John Hopkins Singapore IMC</i>	Associate Professor Kathy Qian Luo <i>School of Chemical &amp; Biomedical Engineering College of Engineering, Nanyang Technological University</i>