Congratulations to all the winners of the BES 8th Scientific Meeting
Saturday, 17th May 2014

DESIGN COMPETITION

Winner

Andy Tay Kah Ping
“Inertial Microfluidic Device for Malaria Parasites Enrichment”
National University of Singapore, Biomedical Engineering

Runner-up

Sow Wan Ting
(Mentored by Ng Kee Woei)
“Developing a Viable Wound Dressing from Human Hair”
Nanyang Technological University, Materials Science & Engineering

Merit Awards

Royston Tan, Sharon Lee, Teo Zhan Teng, Isaac Lin, Beryl Yee and Ankshita Prasad
“Novel Glaucoma Drainage Device That Will Allow for Objective and Reversible Control of Intraocular Pressure”
National University of Singapore, Biomedical Engineering
Phang Ye Sheng and Ning Xiao Yu
“Effective and Efficient Diagnosis of Spinal Cord Injury”
Ngee Ann Polytechnic, Electronic & Computer Engineering

Thoriq Salafi, Russel Koh, Gao Zheng Yang, Gordon Ko, and Jaryl Ng
(Mentored by James Kah)
“The Shrink: Wearable Low-Cost Stress Monitoring Device”
National University of Singapore, Biomedical Engineering

Ken Lai, Sophia Phang, and Chayut Orapinpatipat
(Mentored by Chua KP)
“Sentinel Active Monitoring”
Ngee Ann Polytechnic, Biomedical Engineering
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PLATFORM PRESENTATION

JUNIOR COLLEGE/HIGH SCHOOL

**Gold Award**
Teh Feng Kun
(Mentored by Kunn Hadinoto Ong)
“Refining the Roles of Probiotics in Functional Foods beyond Dairy Products”
Anderson Junior College

**Silver Award**
Teoh Zhihui, Lim Li Feng, and Tan Jin De
(Mentored by Wen Feng)
“Tendon Tissue Engineering”
Anderson Junior College

POLYTECHNIC

**Gold Award**
Chin Chia Joo and Du Tie Hua
“Development of a System to Detect Falls in Elderly Patients in a Healthcare Environment (Phase 1)”
Nanyang Polytechnic, Biomedical Engineering

Silver Award
Ang Kian Kai Gerald and Chang Hengky
“Development of Bioactive/Bioresorbable Nanofiber Membrane Scaffold for Tissue Engineering Application”
Nanyang Polytechnic, Biomedical Engineering

Bronze Award
Cheong Soon Wai
Nanyang Polytechnic, School of Engineering

UNDERGRADUATE

Gold Award
Teo Li Ting Lynette, Ren Hongliang, and Liao Wu
“Robotic Endoscopy System for Natural Orifice Transluminal Endoscopic Surgery”
National University of Singapore, Mechanical Engineering

Silver Award
Daryl Tan, Tan Jian'An Daryl, Neo Puay Yong, James Cho-Hong Goh, and Toh Siew Lok
“Development of a Novel Anisotropic Composite Silk Scaffold for Annulus Fibrosus Tissue Engineering”
National University of Singapore, Biomedical Engineering
Bronze Award
Su Chengxun, Yu Kang, and Sierin Lim
“Display of Chikungunya Epitope on Protein Cage for Potential Application as Vaccine”
Nanyang Technological University, Bioengineering

GRADUATE

Gold Award
Neo Puay Yong, Pujiang Shi,
James Cho-Hong Goh, and Siew Lok Toh
“Intervertebral Disc Tissue Engineering: Towards Complete Disc Replacement with Silk/PVA Hydrogels”
National University of Singapore, Biomedical Engineering

Silver Award
Nishanth V Menon, Yon Jin Chuah, Ying Zhang, Yingnan Wu, Ann Charlene Lee, Ghim Hian Goh, Vincent Chan, Yilei Zhang,
and Yuejun Kang
“Synergic Effect of Substratum Properties on Human Mesenchymal Stem Cells Differentiation”
Nanyang Technological University, Bioengineering

Bronze Awards
Vishal Mogal, Chaw Su Yin, and Terry W. J. Steele
“Radical Based ‘On-demand’ Soft Tissue Adhesives”
Nanyang Technological University, Materials Science & Engineering

Yap Hong Kai, Raye Yeow Chen Hua, and James Cho-Hong Goh
“Design and Characterization of Soft Bending Actuator for Rehabilitation Application”
National University of Singapore, Biomedical Engineering
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POSTER PRESENTATION

JUNIOR COLLEGE/HIGH SCHOOL

Best Poster
Carmen Chia Jia Yun, Isabelle Tan, and Teoh Wei Shan
“Investigating the Suitability of Modified Nanofibres as Antimicrobial and Biodegradable Sutures”
River Valley High School

Merit Award
Rachel Genevieve Law Rui Qi
“Ambient Activity Monitoring and Fall Prevention for the Elderly”
River Valley High School

POLYTECHNIC

Best Poster
Ignacius Tay, Lee Bee Chan, Crystal Hay, and Saji George
“Understanding the Mechanism of Silver Resistance in Pathogenic Bacteria”
Nanyang Polytechnic, Chemical and Life Sciences
Merit Award
Joel Goh En Ting
“Development of Flexible Electrodes for Muscular Therapy”
Nanyang Polytechnic, Biomedical Engineering

UNDERGRADUATE

Best Poster
Muhammed Abdurrahiem Bin Abdul Rahman, Jean-Yves Dewavrin, and Michael Raghunath
“Generating Gradients of Architecture of Collagen I Hydrogel via Macromolecular Crowding”
National University of Singapore, Biomedical Engineering

Merit Awards
Kian Ping Chan, Yang Gao, Eugenia L. L. Yeo, Dewi Susanti, and James C. Y. Kah
“Development of an In Vitro Cell Lysate System to Enhance the Translation of Insulin”
National University of Singapore, Biomedical Engineering

Koh Yong Chun, Xu Jiayue, Yang Zhaolin, and Ren Hongliang
“A Study of Motion Control Patterns in Biorobotic Spiders”
National University of Singapore, Biomedical Engineering

GRADUATE

Best Poster
Pornteera Pawijit, Zhou Yan, and Hanry Yu
“Role of Kinectin in Drug-Induced Liver Injury”
National University of Singapore, Physiology
Merit Awards
Wu Yuanyuan, Zhou Yubin, Terry W.J. Steele, Vladislav Papper, and Robert Marks
“Photochrome Aptamer Switch Assay for Small Molecule Detection and Quantification”
Nanyang Technological University, Materials Science & Engineering

Koh Wee Ling, Leo Hwa Liang, Hanry Yu, and James Chen Yong Kah
“Understanding Hepatic Effect of Gold Nanoparticles to Facilitate Cancer Therapy”
National University of Singapore, Biomedical Engineering