

JOINT SBIC-SSCC GRANT CALL (2007)

Theme: Bioimaging on Stem Cells

RESULTS

S/N	Project Title	Host Institution	Network Director
1	Application of bioimaging techniques, including FRET, FCS and FLIM, to investigate the differentiation of embryonic and neural stem cells	Institute of Medical Biology	Assoc Prof Sohail Ahmed
2	Establishment of a novel cellular electron tomography technology for in vivo imaging of neural stem cell development and function by nanogold labeled markers at nanometer scale	National University of Singapore	Asst Prof He Wanzhong
3	Novel insight into basic problems of stem cell biology through live imaging of neuronal stem cells in-vitro and in vivo using Focal Modulation Microscopy	National University of Singapore	Prof Colin Sheppard
4	Stem cell transplantation for heart repair: non-invasive monitoring of cellular grafts and heart function	Institute of Medical Biology	Dr Robert Zweigerdt
5	The challenge of real-time imaging of signaling pathways in embryonic stem cells: is mES cell pluripotency related to cadherin signaling and their epithelial-like behaviour?	Institute of Medical Biology	Dr Ed Manser
6	Imaging of Transplanted Bone Marrow Derived Stem Cells (BMSCs) by MRI in Chondral Defect, Meniscus Injury and Diabetic Neuropathy - An Animal Study	National University of Singapore	Assoc Prof James Hui Hoi Po