

List of Grants Awarded under the 1st SSCC Grant Call

S/N	Project Title	Host Inst	PI
1	Functional Roles of Specific Nuclear Receptors in the Differentiation of Specific Neuronal Cell Types from Human Embryonic Stem Cells	NUS	Chan Woon Khiong
2	Expansion and Engraftment of Hematopoietic Stem and Progenitor Cells by CD137, Stromal Derived Factor-1 and 3-Dimensional Scaffolds	NUS	Herbert Schwarz
3	Chondrogenic differentiation of human stem cells: Characterising and defining the cellular and molecular mechanisms and the establishment of stable cellular phenotypes for cartilage degeneration	NUS	Lee Eng Hin
4	Derivation of human epidermal stem cells (HESC) from hair follicle, its characterization, expansion and use in tissue engineering of novel composite skin substitutes	SGH	Lee Seng Teik
5	Molecular Basis of Reprogramming: Characterization of Epigenetic Changes During Reprogramming of Somatic Nuclei and Identification of Reprogramming Factors	GIS	Lim Bing
6	Translational control mechanisms operant in embryonic stem cell-derived neurons	GIS	Lim Bing
7	Role of Nuclear Receptor Co-Repressor (N-CoR) in the Regulation of Haematopoietic Stem Cells (HSCs) Growth, Lineage Commitment and Malignant Transformation	NUS	Matiullah Khan
8	Human stem cell Epigenome project: a comparative analysis of the epigenetic landscapes of pluripotent human embryonic stem cell (hESC), multipotent human mesenchymal stem cell (hMSC) and differentiated human adipocyte	GIS	Ng Huck Hui
9	Improved Derivations of Human Embryonic Stem Cells Via Modelling of the Preimplantation Genetic Regulatory Network	GIS	Paul Robson
10	Novel biomimetic scaffolds for the expansion and injectable delivery of human mesenchymal stem cells in cartilage repair	NUS	Rachel Ee

Total amount awarded: S\$7.5 million