

Postdoctoral Fellow

I am looking for a postdoctoral fellow who is interested in joining my group and participating in one of the historical projects in the field of embryonic stem/induced pluripotent stem (ES/iPS) cell biology, "establishment of a defined, reproducible method to generate hematopoietic stem cells (HSCs) with efficient marrow repopulating activity from human pluripotent stem (PS) cells without transgene expression". We have recently established from human PS cells a prototype of novel cellular tool that will be modified by my collaborator and used for identifying the putative hemogenesis-inducing activity of dorsal aorta, which may lead to marrow repopulating HSCs.

I am primarily looking for a hard working individual who has prior experience and a track record in culture of primary endothelial/hematopoietic cells, plasmid construction, viral (and non-viral) gene transfer with a proven background in signal transduction study, and/or developmental hematology/vascular biology. I am also interested in a candidate who has a biochemical, genetic and/or cell biological background in the areas of chromatin remodeling and epigenetic regulation of gene expression. Prior experience in mid-large scale small molecule and/or shRNA library screening and in the generation, expansion and differentiation of human ES/iPS cells are not essential but certainly a big plus. IMM is now fully integrated into the Medical School of University of Texas Health Science Center at Houston (or UTHealth), and postdoc salary and compensation will be determined by Med School according to the NIH guide line.

If you are interested in applying for this position, please contact Naoki Nakayama, Ph.D. @ Naoki.Nakayama@uth.tmc.edu.