

Postdoctoral Positions in Stem Cell Research

Center for Stem Cell and Regenerative Medicine
Brown Foundation Institute of Molecular Medicine
UT Health Science Center – Houston

3-4 Positions available in laboratory of:

Brian R. Davis, Ph.D., Associate Professor
Interim Director of Center for Stem Cell and Regenerative Medicine

Successful candidates for these positions will:

- 1) have received Ph.D. in Biological/Physical/Chemical Sciences within the last 5 years
- 2) have significant prior experimental experience in molecular and cellular biology
- 3) have strong analytical and quantitative reasoning skills
- 4) have the intellectual capacity, work ethic, creativity, writing skills, and motivation to pursue an independent academic research career
- 5) be able, upon request, to provide two letters of reference.

Applicants should provide a current C.V. together with a cover letter to brian.r.davis@uth.tmc.edu. The cover letter should address each of the five criteria enumerated above.

Dr. Davis' laboratory has as its primary focus the genomic editing of chromosomal DNA in stem cells – utilizing homologous recombination processes to restore an endogenous mutant gene sequence to the corrected normal sequence in autologous stem cells obtained from patients with inherited genetic disease. This work has largely focused on induced pluripotent stem (iPS) and hematopoietic stem cells. Current diseases under investigation include those affecting the lung (Cystic fibrosis, Surfactant Protein B Deficiency) and blood (Wiskott-Aldrich Syndrome). A second line of investigation is focused on spontaneous somatic reversion of inherited mutations or “natural gene therapy” in patients with inherited genetic disease.

The Center for Stem Cell and Regenerative Medicine occupies the 6th floor of the Sarofim Research Building, a state-of-the-art facility in the Texas Medical Center fully equipped for molecular research.