



POSTDOCTORAL POSITION

**Massachusetts General Hospital Cancer Center/
Harvard Medical School, Boston, MA**

The Ellisen laboratory studies fundamental mechanisms of tumorigenesis and their associated therapeutic implications in breast and other cancers. Topics of major interest include hereditary breast cancer, DNA repair, and chromatin alterations driving cancer pathogenesis. We have recently identified fundamental mechanisms of chromatin reprogramming in tumorigenesis (*Cancer Cell* 2017; 31:35), and have discovered multiple novel genetic breast cancer drivers (*Nature* 2017; 547:55, *Cancer Discovery* 2018; 8:336). Our work on aggressive breast cancers has revealed a genomic signature of homologous recombination deficiency (*Nature Genetics* 2017; 49:1476), and we were among the first to describe the single-cell architecture of triple-negative breast cancer (*Nature Comm* 2017, 9:3588). Our research is enhanced through a network of expert collaborators in computational biology and high-throughput analysis, and our ability to work at the interface of tumor biology, genetics and therapeutic application is strongly supported by the basic and clinical research infrastructure of the MGH Cancer Center.

The position provides a rich intellectual environment with full integration into the large research communities of the Mass General and Harvard Medical School. The candidate must have recently received a Ph.D. degree in the biological sciences, and must be highly motivated and well versed in basic molecular biology and biochemical techniques. Previous publication in the English-language literature is essential.

Please send CV and cover letter to: CKANE11@mgh.harvard.edu.

Website:

<http://www.massgeneral.org/cancerresearch/research/researchlab.aspx?id=1167>