

**TITLE: Personalized Medicine for Patients with Cancer**

**FACULTY MENTOR NAME, EMAIL PHONE NUMBER**

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**FACULTY MENTOR DEPARTMENT**

Medicine, Hematology and Oncology

**RESEARCH PROJECT DESCRIPTION** (brief overview of background, hypothesis, methods, role of medical student, funding and relevant publications -- SHOULD NOT EXCEED ~ 250 WORDS)

Dr. Cogle is a physician-scientist who is looking for medical students with interest using computational biology and digital drug simulations to tailor drug therapies for patients with refractory blood cancers (i.e., myelodysplastic syndromes, acute myeloid leukemia, multiple myeloma). It is preferred that the medical students know software coding such as R or Python. The medical students will be involved with analyzing genetic and clinical information, such as examining leukemia clonal evolution. The medical students will be expected to generate data for co-authoring national meeting abstracts, publications, and grant applications.