Post-Doctoral Fellowship Position

The Olopade Laboratory in the Center for Clinical Cancer Genetics & Global Health, Section of Hematology/Oncology, Department of Medicine at the University of Chicago is seeking a highly motivated postdoctoral fellow to perform functional and mechanistic studies of genetic variants, RNA-induced antiviral responses, human microbiomes and small molecule inhibitors for the characterization of genetic/epigenetic and immunological pathways involved in the initiation and progression of breast cancer in diverse populations. Areas of research focus in the Olopade lab include computational biology, whole genome sequencing, functional assays in vitro and in vivo, and comparative analyses of breast cancer across the African Diaspora.

Candidates will be expected to pursue an academic research career by developing their own line of research, undertaking data analysis, generating peer-reviewed manuscripts, and developing grant proposals that will support these research initiatives.

Candidates should possess a PhD, MD or equivalent in molecular and cellular biology, biochemistry, molecular pharmacology, cancer immunology, computational biology, human genetics or a related field. Candidates should have high proficiency in in vitro cell culture, in vivo mouse experiments, flow cytometry, real-time PCR, genome editing/molecular cloning, western blotting, viability/reporter assays and mouse studies with humanized or xenograft cancer models. Experience in tumor organoid establishment and drug screening/testing in preclinical models is desirable. Candidates should be eligible to work in the USA, able to work independently and as part of a team in a highly collaborative research environment.

Responsibilities include:

1) Perform laboratory experiments and standard scientific techniques, which may include cell/organoid culture, in vivo mouse procedures, animal handling/surgery, flow cytometry, various molecular and cellular assays, real-time PCR, and CRISPR-Cas9 genome editing.

2) Plan and execute experiments, perform data analysis, have the ability to work independently and as part of a team.

3) Ensure the validity and reliability of data at all times.

4) Collaborate on the development of new research projects with academic and community-based organizations.

5) Present data in group meetings, and at local and international meetings.

6) Supervise lab technicians and students.

7) Prepare manuscripts for submission to refereed journals.

8) Perform other related work as needed.
The Department of Medicine at the University of Chicago provide a stimulating and interactive environment with several laboratories interested in diverse aspects of human variation, statistical and computational genetics, cancer genetics and clinical pharmacology.

Interested candidates should submit an electronic copy of their *curriculum vitae*, a one-page letter describing their prior research experience, current interests and goals, and should provide names and contact information of three references to: Lise Sveen esveen@bsd.uchicago.edu.

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