Xing Jian (Jay) Luo

Baltimore, MD | +1 (778) 788-0268 | xluo28@jh.edu

EDUCATION

St. George's School, Vancouver, Canada **2013-2020**

GPA: 4.0/4.0 (unweighted)

Johns Hopkins University, Baltimore, MD, USA **2020-2024**

EXPERIENCE

Johns Hopkins University School of Medicine *Undergraduate Researcher, Taekjip Ha Lab* **2020-present**
- Working on Hi-C data analysis to probe the epigenetic response to DNA damage upon genomewide Cas9 cleavage.

Michael Smith Laboratories (UBC), *Research Intern, Martin Hirst Lab* **2019-present**
40 hrs/wk (summer); 2 hrs/wk (school year)

- Worked with cell culture and performed 5 bioassays with an epigenetic drug that targets the EZH2 and EED subunits of the Polycomb Repressive Complex 2 (PRC2), as well as PRC1 subunit BMI1, on human synovial sarcoma cells.
- Working on a project connecting the mammalian SWI/SNF chromatin remodeler complex and malignant rhabdoid tumors.
- Presented epigenomics research and methods as part of the weekly Journal Club.

COMMUNITY SERVICE

Lifting the Pyramid, *Project Manager* **2020-present**
- Lifting the Pyramid is a nonprofit organization that aims to better health outcomes by raising health literacy rates in communities and mobilizing community members to perform crucial nonmedical tasks at the point of care.
- As one of the project managers, I drafted COVID-19 training resources for future hospital volunteers and the Community Health Assessment for our incoming pilot project in Baltimore.

Mid-Main Community Health Center, *Clinic Volunteer* **2017-2019**
- Designed and analyzed over 500 patient satisfaction surveys, 60 staff satisfaction surveys, and collated over 100 EasyMarkit dental care surveys over the past two years. Designed and analyzed a new survey to gather patients' opinions on the design of the new clinic (construction to be completed this fall). Gave suggestions to the editorial board based on the results.

Peer Mentor **2017-2020**
- Worked over 45 hours guiding sophomores and juniors through introductory biology.

AWARDS AND HONORS
- Runner-up (11), New York Times Summer Reading Contest (1 of 10, out of 1,248 contestants)
- First Prize (10), The Royal Commonwealth Society Essay Competition
- Contestant (11), National Biology Competition (placed top 10% among 3,135 contestants)
- Gregory Thomas Memorial Award (11) for outstanding performance in French throughout middle and high school

SKILLS
- ChIP-seq and ATAC-seq data analysis using R and Bash
- Hi-C data analysis
- Python
- MATLAB
- Cell culture