

# CURRICULUM VITAE

Firstname M. Lastname

Address

Institutional Email

## EDUCATION

2013 – 2017 University of X  
B.S. in Biology, Minor in Chemistry

## RESEARCH EXPERIENCE

- 2016 Jul – 2019 Jul **Research Technician; Undergraduate Research Assistant**  
University of X, Department of Genetics  
Laboratory of Dr. Jane Smith
- Led project to characterize effects of an adipose *trans*-eQTL hotspot on global gene expression, adipocyte function, and susceptibility to obesity
  - Predicted functional variants and genes underlying GWAS signals using bioinformatic and functional genomic resources
  - Determined regulatory function of noncoding variants at GWAS signals with *in vitro* protein binding and transcriptional reporter assays
  - Created CRISPR knockout cell lines to identify target genes and molecular functions of coding and noncoding regulatory elements
- 2014 Jan – 2015 Aug **Undergraduate Research Assistant**  
University of X, Department of Psychiatry  
Laboratory of Dr. John Smith
- Modeled a non-invasive brain stimulation treatment in acute mouse cortical slices and used multichannel electrophysiology to measure effects on cortical oscillations
  - Tested combinations of pharmacological agents that induce *in vivo*-like patterns of action potential propagation delay in acute cortical slices
  - Performed *in vitro* studies of neuronal mechanisms that allow network-level cortical oscillations to arise from cellular oscillations

## PUBLICATIONS

- 2020 Feb 18 authors, **Lastname FM**, Hella more authors.. Identification of X Disease loci in ### East Asian individuals. [Accepted, *Nature*]  
Preprint: Bioarxiv link
- 2019 Dec 1 author, **Lastname FM**, Hella more authors. Allelic heterogeneity at the X locus identified by Y technique in Z cohorts. [In press, *American Journal of Human Genetics*].  
PMID: ###
- 2019 Mar 4 authors, **Lastname FM**, 1 author. X deletion and Y effects define a regulatory molecular mechanism at the Z Disease GWAS locus. *Human Molecular Genetics* edition(issue):pp-pp, date.
- 2017 Sep 2 authors, **Lastname FM**, 1 author. Interaction of X and Y Currents Mediate Z Effect Driven by Cell Type. *Cerebral Cortex* edition(issue):pp-pp, date.
- 2014 Nov 1 author, **Lastname FM**, 3 authors. X Oscillations Constrain Y by Weak Treatment. *Brain Stimulation* issue(edition): pp-pp, date.

## SUBMITTED MANUSCRIPTS/PREPRINTS

2019 May Hella authprs, **Lastname FM**, hella more authors. Influence of genetic variants on gene expression in X tissue – implications for Y Disease. [Submitted]  
Preprint: Bioarxiv link

## PRESENTATIONS

2018 Oct **Lastname FM**, 7 authors. *Trans*-eQTL and GWAS associations at X missense variant rsXXX suggest an extensive regulatory role in adipose tissue. *American Society of Human Genetics Annual Meeting, San Diego, CA, October 18, 2018*. [Poster].

2017 Nov Author and **Lastname FM**. Identification and characterization of X metabolite GWAS loci harboring extensive allelic heterogeneity. *Finland-United States Investigation of NIDDM Genetics (FUSION) Annual Meeting, Ann Arbor, MI, November 14, 2017*. [Oral presentation].

## HONORS/AWARDS/FUNDING

2017 University of X Honors Laureate  
2015 X Mentored Research Fellowship  
2015 X Summer Undergraduate Research Fellowship

## MENTORSHIP/SERVICE

2013 – 2018 **Music Mentor & Executive Committee member**, X University Musical Empowerment  
Mentored and taught violin to low-income and racial minority children. Raised over \$50,000 through grants and other fundraising efforts.

2015 – 2016 **Peer Writing Advisor**, X University Office for Undergraduate Research  
Helped students revise/edit research proposals for UNC Summer Undergraduate Research Fellowship with 100% success rate.

2015 – 2016 **Honors Ambassador**, University of X  
Advised 1<sup>st</sup> year physical/life science students in course selection and finding relevant extracurricular activities, including undergraduate research positions.