KRISTEN MCGREEVY

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EDUCATION

University of California Los Angeles - Fielding School of Public Health ***In Progress***
PhD in Biostatistics

University of California Los Angeles - Fielding School of Public Health **June 2020**
MS in Biostatistics | 3.82 GPA

University of North Carolina at Chapel Hill **May 2018**
BS in Biology | BSPH in Biostatistics | Chemistry Minor | 3.76 GPA
Honors College | First Generation Student | Buckley Public Service Scholar

SKILLS

R | SAS | Data Management | Statistics | Public Speaking | Research | Report Writing | Genetics

PROFESSIONAL EXPERIENCE

Junior Bioinformatician, John Wayne Cancer Institute, Santa Monica, CA **June 2020 – Sept 2020**

- Worked with omics data to create nomograms and signatures for clinical use
- Provided feedback on Data Safety on ongoing and new clinical trials
- Consulted with research labs on biostatistics, methodology, and power

Graduate Research Intern, Kaiser Permanente, Pasadena, CA **June 2019 – Sept 2020**

- Developed a Bayesian Latent Variable model to improve COPD diagnosis
- Programmed in R and managed data using SAS
- Constructed a zero-inflated healthcare utilization model

Research Assistant, Carolina Survey Research Laboratory, Chapel Hill, NC **June 2017 – Apr 2018**

- Programmed in SAS to produce weekly data summary reports
- Collaborated with Public Health Professionals on five independent studies
- Streamlined and annotated SAS code for future researchers

SCIENTIFIC EXPERIENCE

Graduate Student Researcher, Department of Biostatistics**,** Los Angeles, CA **Sept 2020 – present**

- Developed DNA methylation based biomarkers
- Data analysis and cloud computing on methylation, microbiome, and clinical datasets
- Conceptualized and conducted independent research to further understanding of epigenetics of aging

Statistician, Department of Pathology and Laboratory Medicine**,** Chapel Hill, NC **May 2018 – May 2019**

- Cleaned, managed, and analyzed data in SAS
- Developed statistical analysis plan; performed time-trend and non-parametric tests
- Conducted literature research and wrote manuscript

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Researcher, Department of Biology, Chapel Hill, NC **Aug 2016 – May 2018**

- Developed methods for cell organelle marking (published)
- Wrote grants and received two funding fellowships
- Designed experiments and improved techniques for tardigrade research

Researcher, Department of Psychology, Chapel Hill, NC **Jan 2017 – May 2018**

- Programmed in SAS and/or R and provided code for reproducibility
- Performed ROC curve and Factor Analyses for psychological clinical studies

TEACHING

Teaching Assistant, UCLA BIOS 201A: Applied Regression, Los Angeles, CA **Sept 2021 – Dec 2021**

- Taught regression to 60 graduate students in 2-3 sessions per week
- Developed teaching material, graded assignments, and improved student experience

Teaching Assistant, UCLA LS 107: Genetics, Los Angeles, CA **Sept 2019 – June 2020**

- Taught genetics to over 300 undergraduate students for 4 sessions per week
- Develop quizzes, grade assignments, and facilitate active learning

Supplemental Instructor, UNC BIOL 202: Genetics, Chapel Hill, NC **Jan 2016 – Dec 2017**

- Assisted teaching genetics to a large core biology class for 5 semesters
- Developed learning goals and weekly presentations for over 150 undergraduate students
- Trained new assisting instructors and received teaching nomination by students

PUBLICATIONS

Education Sciences **July 2020**
Active Learning: Subtypes, Intra-Exam Comparison, and Student Survey in an Undergraduate Biology Course**. McGreevy, K.M.** & Church, F.C.

Cold Spring Harbor Protocols **Oct 2018**
Fluorescent Cell Staining Methods for Living Hypsibius exemplaris embryos. **McGreevy, K.M.,** Heikes, K.L., Kult, S., Tharp M.E., & Goldstein, B.

PRESENTATIONS

CALERIE™ Workshop **Nov 2021**
Fat and Muscle DNA Methylation Responses in CALERIE™

Kaiser Permanente Grand Rounds **Aug 2019**
A Bayesian and EHR-Derived Latent Phenotyping Model for COPD

Fielding School of Public Health **May 2019**
Statistical Methods for Differentially Methylated Loci (Chen et al. 2014).

Fielding School of Public Health **Feb 2019**
Integrating single-molecule experiments and discrete stochastic models to understand heterogeneous gene transcription dynamics (Munsky et al. 2015)

Kidzu Children's Museum **Mar 2018**
Mix it up: Genetics of Taste

NC Education Conference **Mar 2017**
Microscope Building Workshop

LEADERSHIP & RECOGNITION

Biostatistics Student Association Student Liason (2019 – 2020) | Circle K President (2016 - 2018) | Residential Advisor (2015 - 2017) | Beautiful Beaders Founder (2007 - 2014)

Summer Undergraduate Research Fellow | Taylor and White Grant Recipient | Staff Leadership Award | Circle K Most Dedicated Member | Circle K Most Improved Club | US President's Volunteer Service Award | Tribune Review Outstanding Young Citizen | Prudential Spirit of Community Award