

## **James B. Duke**

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### **EDUCATION**

**PhD in Cell Biology** | Duke University | Durham, NC | May 2021

**BA in Biology** | Sacramento State University | Sacramento, CA | June 2015

### **RELEVANT EXPERIENCE**

**Graduate Research Assistant** | Cell Biology Department | Duke University | August 2015- Present

- Conduct independent research, design, implement and validate scientific protocols, develop molecular research tools and pioneer quality assurance protocols to validate the success of these tools
- Manage and collaborate with 5 teams of research to quickly advance project goals
- Utilize software such as Basecamp and Slack to work with team members in different time zones and across different campuses resulting in 2 scientific publications and 2 publications in preparation
- Pioneered and implemented standard operating procedures for data management, including an electronic lab notebook which allowed my work group to advance our reproducibility and improve our data management
- Balance management responsibilities with course work, scientific writing, presentations and independent research
- Presented scientific findings to a wide range of scientific audiences at national conferences, local meetings, departmental seminars and University poster sessions

**Project Manager** | Awesome Company | Durham, NC | August 2020-Present

- Manage a team of oncologist, biomedical engineers, and investors across time zones and through language barriers to launch pharmaceutical pre-clinical and clinical trials for biotech startup which develops treatment strategies for drug-resistant cancers
- Led a team to design and implement initial marketing strategy and materials for the company, including the launch of the website
- Designed client project management system and helped recruit first round of patients for clinical trial

### **PUBLICATIONS**

**Duke, J.B.**, Locke, M., and S.H. Doe. 2020. Second paper for my dissertation. In Preparation.

Risher, C.R, Kim, N., Choi, J., Mitev P., **Duke, J.B.**, Pilaz, L.J., Wang, G.F., Silver, D.L., Doe, S.H., Yin, H., Eroglu, C. 2019. Paper I collaborated on that is not included in my dissertation. In Review.

**Duke, J.B.**, Kanak, D.J., Carlson, B.R., and S.H. Doe. 2018. First paper for my dissertation. J Neuroscience.

**Duke, J.B.**, and S. H. Doe. 2017. Literature review as part of my dissertation work. J Biol. Chem.

### **TECHNICAL SKILLS**

**Management Software:** Basecamp, Slack, Dropbox, OneDrive, Box, Humanity

**Microsoft Software:** Word, Excel, PowerPoint, Outlook, Publisher, OneNote

**Design Software:** Adobe Photoshop, Adobe Illustrator, Adobe Acrobat, Adobe InDesign, Snagene

**Data Analytics Software:** Matlab, Graphpad Prism, SPSS, FIJI, Cytoscape, Scaffold