

Dr. [XX], Professor
[Institution], [Department]
[Full address]

Dear Dr. XX,

I would like to apply for a postdoctoral appointment in your laboratory. We have never met, but if you will be attending I hope we can plan for a meeting during the upcoming Society for Neuroscience meeting. I believe I am a strong postdoctoral candidate who can not only learn many new skills in the XX Lab, but also bring a unique set of expertise towards your work using whole-brain imaging to study zebrafish sleep.

I am currently an NSF Graduate Research Fellow in the Applied Physics Program at Rice University and work under Jacob T. Robinson. I expect to graduate by May 2019. My most recent project, which I will be presenting at SfN, demonstrates a new *C. elegans* sleep state that is driven by both animal satiety and properties unique to an external microfluidic environment. Specifically, we are working to understand the neural control of sleep-wake behavioral transitions with whole-brain imaging. This work, combined with a recent publication in *Nature Nanotechnology* in which I developed a nanoelectronic platform for high-throughput *C. elegans* electrophysiology, has given me research experience with

- Small-organism neuroscience
- Sleep behaviors
- Whole-brain calcium imaging
- Electrophysiology
- Nanofabrication
- Microfluidics

Over the course of my PhD I have become fascinated with studying fundamental questions in neuroscience with small organisms, and I am excited about the prospect of applying this skillset to your work with zebrafish sleep.

As your posting about this position requests, I have attached my resume for a comprehensive list of publications, grants, presentations and references.

Thank you for your time and consideration. I look forward to hearing from you.

Sincerely,

Daniel L. Gonzales
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Encl. Resume