

Dr. XX, Assistant Professor
[Institution], [Dept]
[Full address]

Dear Dr. XX,

I am very interested in potentially applying for a postdoctoral appointment in your laboratory. If you recall, we met at the IEEE Think Tank in NYC this past September; I was one of the scribes. If you are available next week, it would be fantastic to meet again at SfN to speak in more detail about your research plan and how I might fit into those goals.

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 PhD research has broadly focused on developing neurotechnologies for studying microscopic organisms. My most recent project, which I will be presenting at SfN, describes our work studying a new *C. elegans* sleep state for understanding the neural control of sleep-wake behavioral transitions with whole-brain imaging. Before this most recent work, I developed a nanoelectronic platform for high-throughput *C. elegans* electrophysiology. Combined, this experience has given me skills in

- Behavioral neuroscience
- Whole-brain calcium imaging
- Electrophysiology
- Optogenetics
- Device engineering

I am looking for an exciting and challenging postdoctoral position that uses the latest neurotechnology to study fundamental questions neuroscience for the purpose of advancing the field towards the brain-machine interface of the future. Large/multi-scale recordings and closed-loop reading/writing are some of the technologies that you employ that I am excited about applying. I see the combination of these technologies as a powerful method for studying neural adaption and plasticity and using this new knowledge for enhanced neuroprosthetic control.

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
Applied Physics Program, Rice University
325-227-9058 (cell)
dg31@rice.edu

Encl. Resume