

Eric Wayne Atkinson

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EDUCATIONAL BACKGROUND & RESEARCH EXPERIENCE

2015 - Current	UNIVERSITY OF FLORIDA <i>PhD Student in Interdisciplinary Neuroscience</i>	Gainesville, FL
2014 - 2015	UNIVERSITY OF FLORIDA <i>Master in Medical Science</i> “Electrophysiological and Behavioral Analyses of Visual Cortical Plasticity in a Mouse Model of Perinatal Brain Injury”, November. 2014.	Gainesville, FL
2009 - 2011	UNIVERSITY OF FLORIDA <i>Bachelor in Biological Engineering</i>	Gainesville, FL

PUBLICATIONS

JOURNAL ARTICLES

- Alexander, P., Megan, L., Tyler, S., Lan, H., **Atkinson, E.**, George, U., Semple-Rowland, S., Coleman, J., Sarkisian, M. Neonatal seizures induced by pentylenetetrazole or kainic acid disrupt primary cilia growth on developing mouse cortical neurons. In *Experimental Neurology*. **May 2016**.

CONFERENCE PROCEEDINGS

- Graham, J., **Atkinson, E.**, Nunamaker, E., Spearman, B., Desai, V., Wachs, R., Schmidt, C., Judy, J., & Otto, K. J. Histological Evaluation of Chronically Implanted Peripheral Nerve Interface Devices. In *8th International IEEE EMBS Neural Engineering Conference*. **May 2017**.
- Nunamaker, E., Spearman, B., Graham, J., **Atkinson, E.**, Desai, V., Shafor, C., Natt, S., Wachs, R., Schmidt, C., Judy, J., & Otto, K. J. Implantation methodology development for tissue-engineered electronic neural interface (TEENI) devices. In *8th International IEEE EMBS Neural Engineering Conference*. **May 2017**.

- Desai, V., Spearman, B., Shafor, C., Natt, S., Teem, B., Graham, J., **Atkinson, E.**, Wachs, R., Nunamaker, E., Otto, K., Schmidt, C., and Judy, J. Design, Fabrication, and Characterization of a Scalable Tissue-Engineered Electronic Nerve Interface. In *8th International IEEE EMBS Neural Engineering Conference*. **May 2017**.
- Graham, J., **Atkinson, E.**, Nunamaker, E., Spearman, B., Wachs, R., Desai, V., Shafor, C., Otto, K., Schmidt, C., & Judy, J. Histological Evaluation of Implanted Tissue-Engineered Electronic Neural Interface (TEENI) Devices. In *38th Annual International Conference of the IEEE in Medicine and Biology Science*. **May 2016**.
- Spearman, B., Wachs, R., Desai, V., Shafor, C., Graham, J., **Atkinson, E.**, Nunamaker, E., Otto, K., Schmidt, C., Judy, J. Development of Mechanically-tunable Hydrogel Scaffold for a Regenerative Peripheral Nerve Interface. In *38th Annual International Conference of the IEEE in Medicine and Biology Science*. **May 2016**.
- Desai, V., Shafor, C., Spearman, B., Wachs, R., Graham, J., **Atkinson, E.**, Nunamaker, E., Otto, K., Schmidt, C., Judy, J. Design and Fabrication of a Scalable Tissue-Engineered Electronic Nerve Interface. In *38th Annual International Conference of the IEEE in Medicine and Biology Science*. **May 2016**.

PRESENTATIONS

POSTER PRESENTATIONS

- **Atkinson, E.**, J., Graham, E., Nunamaker, B., Spearman, V., Desai, R., Wachs, C., Schmidt, J., Judy, K., Otto CLARITY, 2-photon, and the PNS: A whole tissue analysis of a tissue engineered electrical nerve interface (TEENI). Society for Neuroscience - NCF. **March 2017**.
- **Atkinson, E.**, J., Graham, E., Nunamaker, B., Spearman, V., Desai, R., Wachs, C., Schmidt, J., Judy, K., Otto Whole-tissue histological analysis of a tissue-engineered electrical nerve interface (TEENI) using CLARITY and advanced imaging techniques. Society for Biomaterials - UF. **March 2017**.
- **Atkinson, E.**, Zhang, H., Coleman, J. Impaired Plasticity in adult visual cortex following neonatal hypoxia. Society for Neuroscience. **October 2015**.
- **Atkinson, E.**, Coleman, J. Long-term effects of perinatal brain injury on cortical plasticity. Pediatrics Science Day. **April 2014**.

ORAL PRESENTATIONS

- **Atkinson, E.**, Coleman, J. Long-term effects of perinatal brain injury on cortical plasticity. Pediatrics Science Day. **April 2014**.

EXTRACURRICULAR ACTIVITIES

- Treasurer, Biomedical Engineering Society, University of Florida. 2010.

MENTORING

- Alexis Brake, Biomedical Engineering, University of Florida, 2016-2017.
- Melissa Franklin, Biomedical Engineering, University of Florida, 2016-2017.
- Sarah Bazargan-Lari, Student Science Training Program, University of Florida, 2012-2013.

- Jose Garcia, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- Arianna Rose, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- Krina Amin, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- Sarah Yu, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- Rachel Leeman, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- Pooja Saraiya, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- Sameer Saboungi, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- David Marcus, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.
- Mateo Vidales, Biochemistry and Molecular Biology Department, University of Florida, 2012-2013.