



Meghan Hefferon

Life Science Rsch Prof 1, Adult Neurology

Bio

INSTITUTE AFFILIATIONS

- Member, Cardiovascular Institute

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, University of Virginia , Chemistry with Specialization in Biochemistry (2018)

Publications

PUBLICATIONS

- **Juvenile Mice Develop Infarct-Induced Neurodegeneration and Emerging Cognitive Decline in a Model of Pediatric Stroke.** *Stroke*
Mayne, E. W., Vanden, K., Hefferon, M. E., Zera, K. A., Buckwalter, M. S.
2026
- **Custom-engineered hydrogels for delivery of human iPSC-derived neurons into the injured cervical spinal cord.** *Biomaterials*
Doulames, V. M., Marquardt, L. M., Hefferon, M. E., Baugh, N. J., Suhar, R. A., Wang, A. T., Dubbin, K. R., Weimann, J. M., Palmer, T. D., Plant, G. W., Heilshorn, S. C.
2023; 305: 122400
- **Cell Microencapsulation Within Engineered Hyaluronan Elastin-Like Protein (HELP) Hydrogels.** *Current protocols*
Hefferon, M. E., Huang, M. S., Liu, Y., Navarro, R. S., de Paiva Narciso, N., Zhang, D., Aviles-Rodriguez, G., Heilshorn, S. C.
2023; 3 (11): e917
- **Hyaluronan and elastin-like protein (HELP) gels significantly improve microsphere retention in the myocardium.** *Biomaterials science*
Suhar, R. A., Doulames, V. M., Liu, Y., Hefferon, M. E., Figueroa, O. 3., Buabbas, H., Heilshorn, S. C.
2022