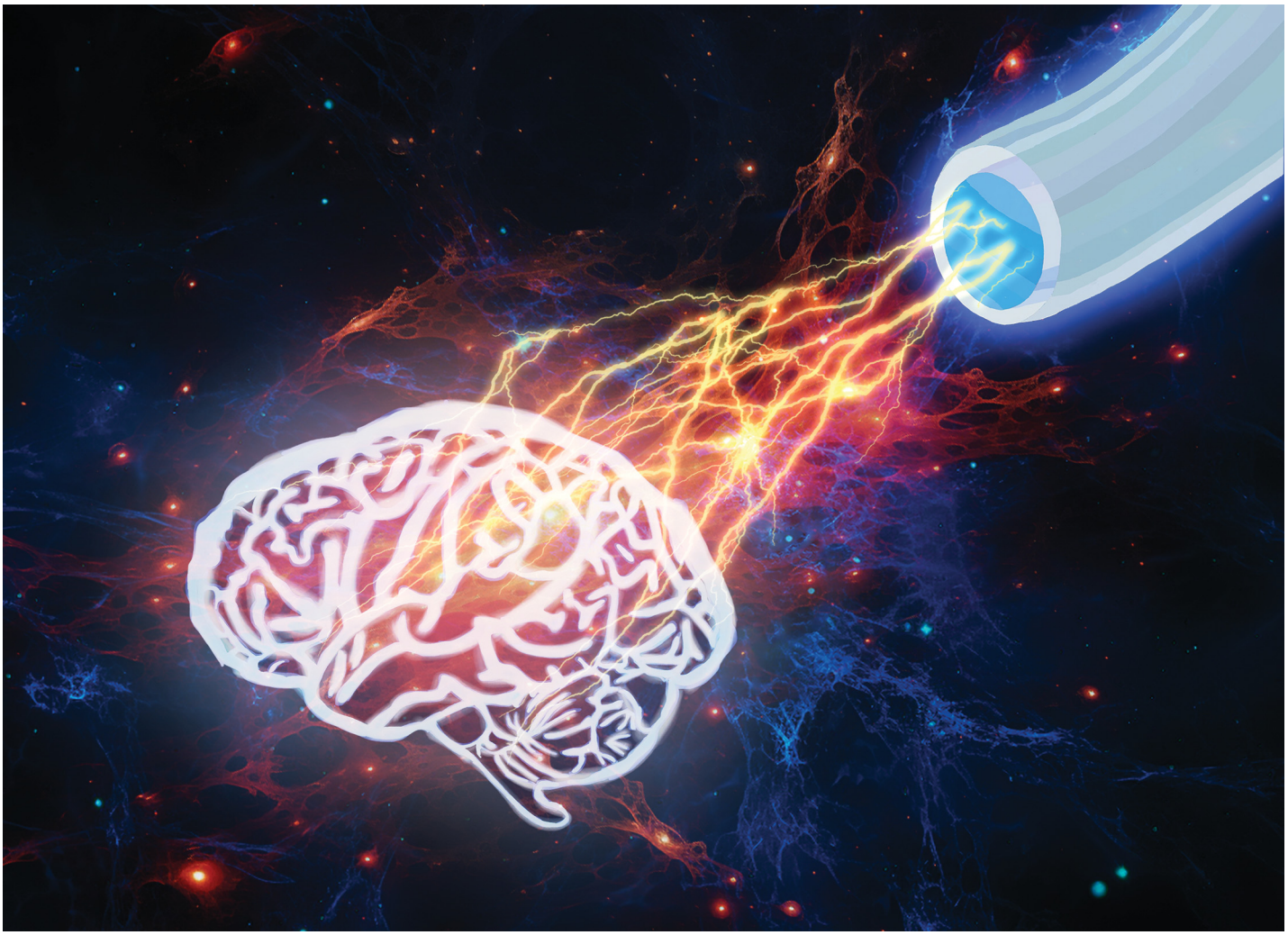

Showcasing research from the Neurobiological Interfaces Laboratory (Rao Lab) in the Biomedical Engineering Department at UMass Amherst, USA

A nanoscale inorganic coating strategy for stabilizing hydrogel neural probes *in vivo*

Employing atomic deposition to create an inorganic coating layer on hydrogel surfaces proves a highly effective strategy to enhance the stability of hydrogel-based bioelectronic configurations while maintaining the intended optical and mechanical properties of the hydrogel in neuroengineering applications *in vivo*.

As featured in:

See Qianbin Wang, Siyuan Rao *et al.*, *J. Mater. Chem. B*, 2023, **11**, 7629.

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