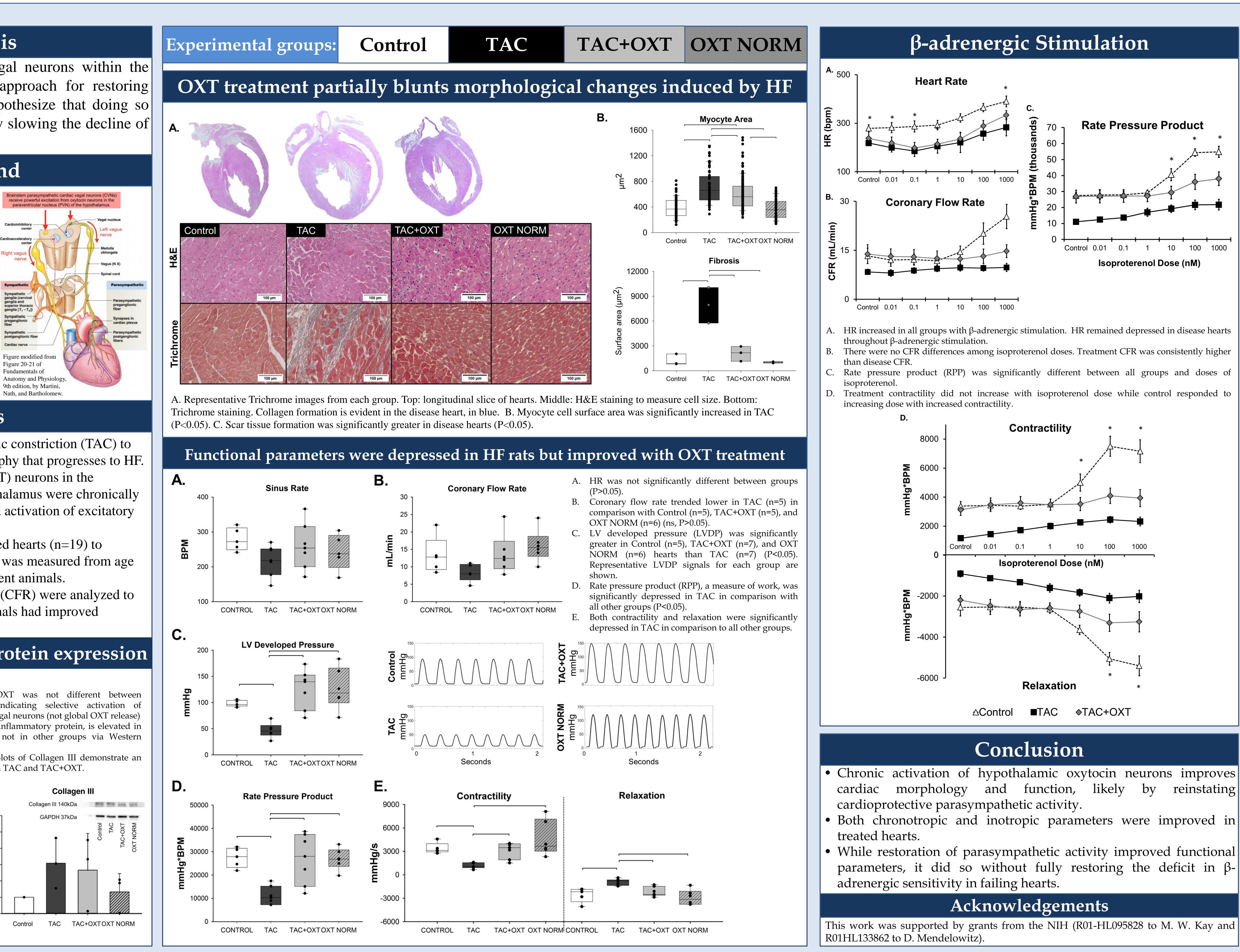
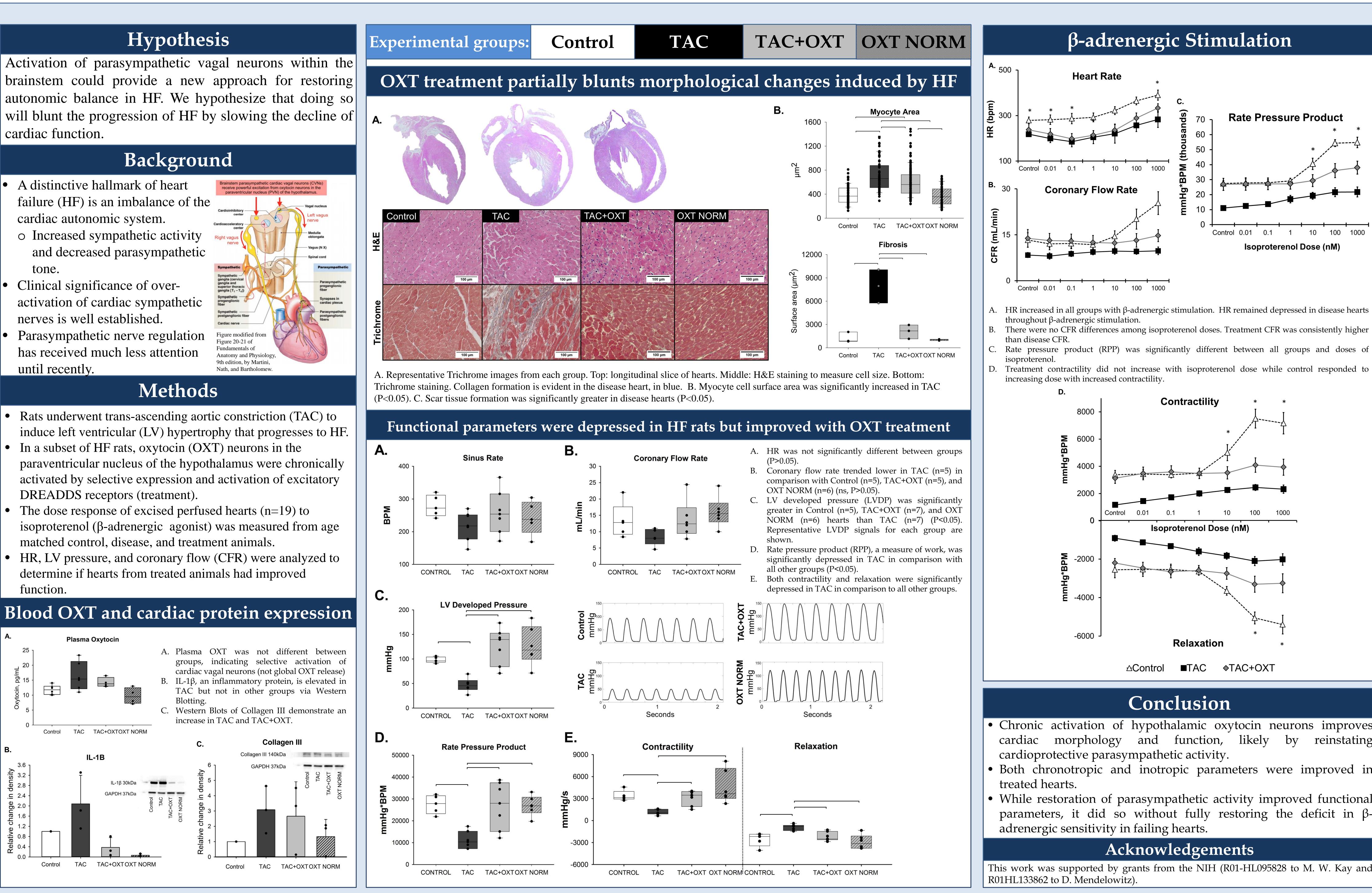
Chronic activation of hypothalamic oxytocin neurons improves cardiac function in a rat model of left ventricular hypertrophy-induced heart failure Kara Garrott*, Jhansi Dyanavapalli, Mary Kate Dwyer, Edmund Cauley+, Sarah Kuzmiak-Glancy*, Xin Wang+, David Mendelowitz⁺, Matthew Kay^{*} *Department of Biomedical Engineering, +Department of Pharmacology and Physiology The George Washington University

- cardiac autonomic system.
- tone.
- Clinical significance of overnerves is well established.
- has received much less attention until recently.



- Rats underwent trans-ascending aortic constriction (TAC) to
- In a subset of HF rats, oxytocin (OXT) neurons in the activated by selective expression and activation of excitatory DREADDS receptors (treatment).
- matched control, disease, and treatment animals.
- determine if hearts from treated animals had improved function.





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