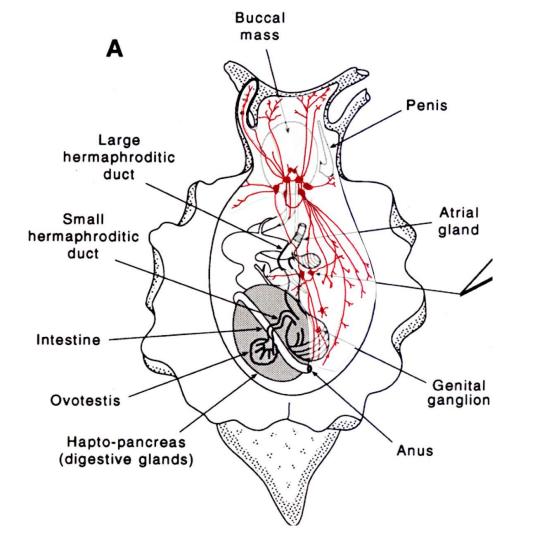
The Effects of Chronic Hypoxia on Aplysia californica Jackson G. Fiorini, Dr. Lynne A. Fieber University of Miami, jgf45@miami.edu

Introduction

- •A. californica is a model organism for neurological research due to their simple nervous system
- •The overall goal of this study was to record the effects of chronic hypoxia on the physiology of A. californica

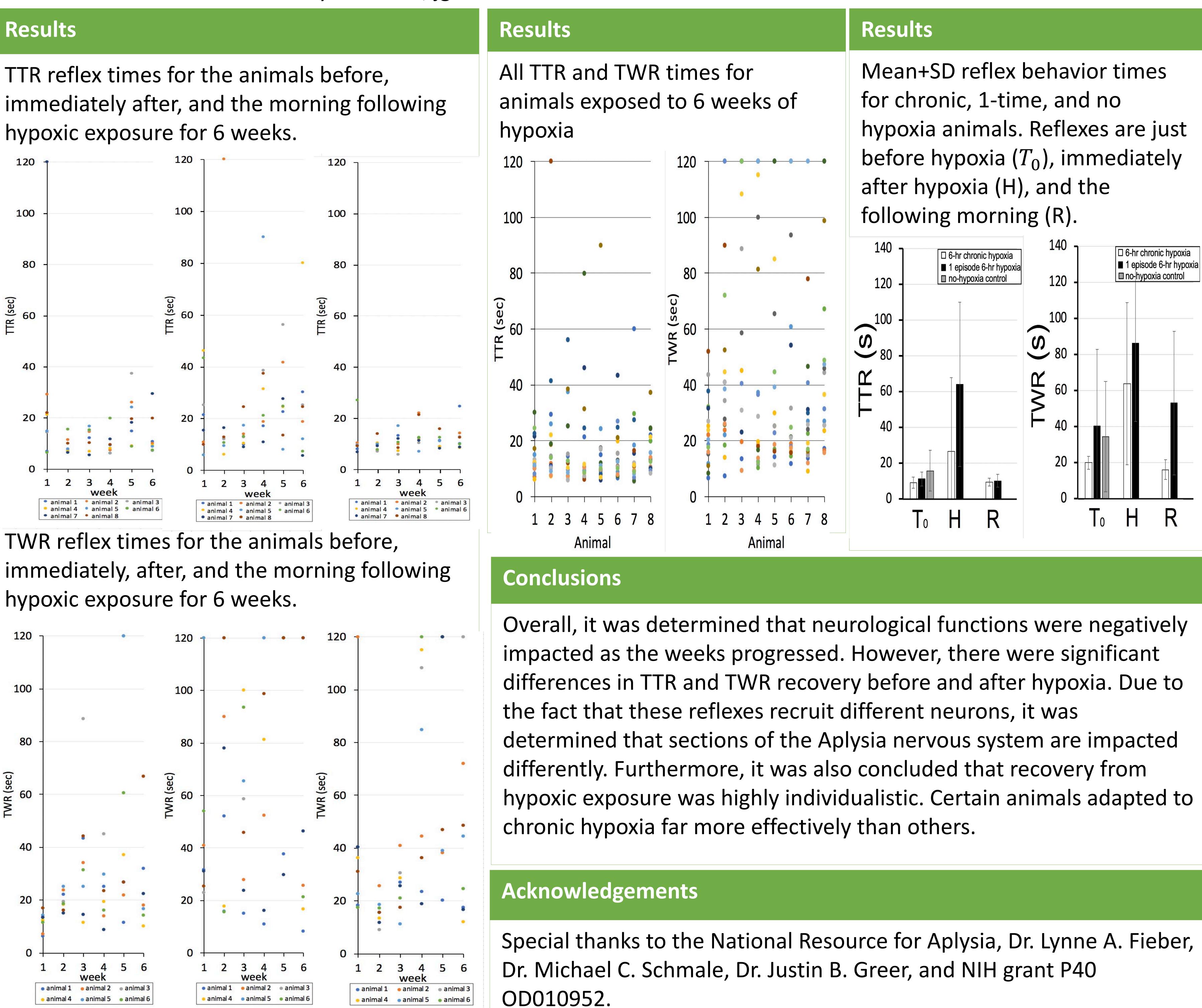


Anatomy of *Aplysia californica*

Methods

The righting reflex (TTR) and tail withdrawal reflex (TWR) were studied in sea hares each week for 6 weeks during repeated exposures to airinduced hypoxia. Chronic hypoxia, 1-time hypoxia, and no-hypoxia control sibling animal behaviors were compared.

A. californica performing a TTR reflex



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