**Web Documentation**



**Figure 1.** Project thumbnail image showing the members of team WNR

Membership Details:

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Project Title: **Wireless Relay of Multi-Channel Neuro-Electrode Data**

Sponsors: Brenner Foundation with Ellen Kirk

Department: Electrical and Computer Engineering

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Design Challenge:

Currently, there exists no solution on the market for an efficient method for recording neural brain activity that is not restricted by a physical tether. The goal of this project is to develop a low-power wireless recording device that will digitize neural signals from a 16-element electrode array and send wireless data over to the receiver. The wireless neural recorder will first be implemented in animals and eventually humans.