

# Project: NIH R03-Style Research Proposal

## Goals

1. Develop and write a NIH R03-style research proposal to test a movement-related research question. R03 proposals are to provide funding to collect preliminary data that can be used to submit a larger grant (R01) in the future. The proposed work should cover a time-period of approximately two years. You will need to research the background literature, develop a compelling hypothesis and describe the experimental or modeling approach you will use to test your hypothesis. There should be some mention of statistical testing as well as a description of possible issues with your approach and how you will address them if needed. See 'Guidelines' document for specific information about the Proposal.
2. Review and critique class proposals in a mock NIH Review Panel.

## Project Team

You will work in groups of 4. You can select your own team members, but each team must have at least two graduate students and at least one undergraduate student.

There will have to be one team of three. That team should be made up entirely of graduate students.

## Deliverables

1. Research Proposal Document **[(November 29 (beginning of class))]**
  - a. Seven page proposal (see 'Guidelines' document for specifics)
2. Research Proposal Presentation **[Week after Thanksgiving (Nov 29-Dec 3)]**
  - a. 20 minute in-class presentation (15 min presentation + 5 min Questions)
  - b. Present your proposal to your 'Review Panel', aka 'the class'
  - c. Convince them of the significance and innovation of your question and the suitability of your approach.
3. Proposal Review **[Last Week of Class (Dec 6-Dec 8)]**
  - a. We will spend the last week of classes in a mock NIH Review Panel. We will spend 15 minutes discussing each proposal and provide each with a rating along standard NIH scoring guides.
  - b. Each proposal will be assigned 3-4 reviewers. Each reviewer will write a review of the proposal and score it using a standard NIH template. **This will be submitted to Canvas Dec 6 (beginning of class).**
  - c. The 15 min discussion will consist of:
    - i. Reviewer 1 providing a brief summary of the proposal and the reasons for their score. (4 min)
    - ii. Reviewers 2-4 providing additional points that motivated their score. (2 min each).
    - iii. Questions and discussion from the rest of the panel (5 min)
    - iv. Panel scores proposal. (ranking will determine allocation of 100 points across groups)

## **Due Dates**

**Research Proposal Document: November 29 (beginning of class)**

**Research Proposal Presentation: Week after Thanksgiving (Nov 29-Dec 3)**

**Mock NIH Panel Review Document: Dec 6 (beginning of class)**

## **Grade Breakdown [35% total]**

15% Project Report

5% Presentation: *Presentation Quality and Delivery*

5% Review: *Document and oral comments during Panel*

5% Group ranking: *Ranking will determine allocation of 100 points across groups*

5% Participation: *Presentations and Panel*