1. **Major Goals**

The major goals of this project, as stated in the approved application, include “” during the predoctoral phase of the grant, and “” during the post-doctoral stage of the grant. We had proposed using a novel video fMRI paradigm to accomplish these goals which tasked subjects with providing continuous online ratings of a specific social (certainty of a target character’s innocence or guilt) or non-social (certainty of a target image’s brightness or darkness relative to the current video frame) focus while viewing a dynamic, feature-rich stimulus (i.e., an episode from a murder mystery television show). Through the use of intersubject correlations, we aimed to characterize trends in neural synchrony in response to ambiguity and to identify regions which disproportionately contribute to global evaluations of uncertainty. The timeline proposed with this application aimed to complete data collection by July 2025 and data analysis, presentations, and manuscripts completed by December 2025. An additional goal was to identify an appropriate institution and mentor(s) with which to pursue the goals outlined for the post-doctoral phase of this grant.

1. **Accomplishments**
   1. **Major Activities**

* Several accomplishments have been achieved since I began receiving this F99/K00 grant in January 2024. We have completed data collection from forty (40) subjects using the previously described paradigm.
* As outlined within my Activities Planned Under This Award, I had developed proficiency with the use of NLTools for pre-processing and the use of intersubject correlations. I also was awarded a fellowship to attend the 2023 Methods in Neuroscience at Dartmouth Computational Summer School (aka MIND) where I received instruction on neural synchrony and nuances in studying it.
* and are about to begin recruitment for a follow-up study which we indicated we would complete in response to concerns from Reviewers 1 and 2 regarding lack of a non-ambiguous social control within the initial paradigm.
* Analysis
  + Describe any experiments or studies conducted
  + Explain any analysis performed on the collected data
* Dissemination
  + Posters
    - SANS
    - Temple Honors
  + Presentations
    - SAN Lab
    - FINN Lab
* Manuscripts
  + Active V Passive
  + Social Uncertainty
  1. .**Specific Objectives**
  2. **Significant Results**
     1. **Major Findings & Developments**
        1. **Differences in Active V Passive Viewing**
     2. **Conclusions**
  3. **Key Outcomes & Achievements**
     1. Ipsos
  4. **Work Remaining**
     1. Memory Analyses
     2. Publications
     3. Learning GEEs

1. Training & Professional Development
   1. MIND
      1. What I learned
   2. COG
      1. What I taught
      2. Detail any courses, workshops, or training sessions attended, including skills or techniques learned.
   3. SAN Lab
      1. Tiara Bounyarith
         1. What she learned
      2. Caroline George
         1. What she learned
2. Future Plans
   1. Identifying Post Doc Mentors
   2. I’d started the process but need to finalize candidates and reach out
      1. Highlight any collaborations with other researchers or institutions, including interviews with potential postdoc labs
3. Challenges & Delays
4. Responsible Conduct of Research
5. Sponsor Comments