1. **Major Goals**

The major goals of this project, as stated in the approved application, include “[exploring] the formation of social and non-social uncertainty judgements among healthy, neurotypical adults” during the predoctoral phase 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. We have collected 100% of this data, conducted analyses and presented it as a poster and in two invited presentations. One manuscript has been produced and a second is in preparation and expected to be submitted for review before the end of year 2024. We are currently ahead of that schedule, though this is partly because we had started data collection when first submitting this grant and had collected approximately 75% of the data by the time it was funded. Reviewers of the project expressed concern that the study lacked a social control task to complement the non-social control task, as well as the length of the stimulus in the control task. As such, we stated in the response to reviewers that we would conduct a follow-up that addresses these concerns. This project, which otherwise mirrors the original, has started and we aim to complete recruitment and analysis before the next RPPR. One final major goal of this period was to identify an appropriate institution and mentor(s) with which to pursue the goals outlined for the post-doctoral phase of this grant. I have been in contact with several potential labs and have identified my top 3 choices. I will begin formal discussions with these labs soon and will update the F99/K00 team about this update. I aim to at least begin the transition if not have already transitioned before the next RPPR. The major goal of this future post-doctoral stage is to “explore the formation of social and non-social uncertainty judgements across normative adolescent development”.