**RESPECTIVE CONTRIBUTIONS**

For this proposal

The ideas in this proposal are motivated by work from our lab demonstrating that uncertainty judgment formation could be modeled in the context of fMRI using naturalistic video stimuli. Based on our work and others exploring how uncertainty manifests in adults and children, I developed the research questions proposed in this grant, which I refined iteratively with Dr. Helion. I wrote the Specific Aims, which were revised and polished by Dr. Helion across multiple versions. I then wrote complete drafts of the research strategy, training plan, and all supporting documents, and refined them based on comments from Dr. Helion. Dr. Chein provided feedback on methodological details of the study design and guidance in researching developmental populations at Temple University’s Brain Research & Imaging Center (TUBRIC). As director of TUBRIC, Dr. Chein also assisted in determining enrollment feasibility and identifying the institutional resources available. All members of the research team have reviewed components of the current application and provided feedback that has been invaluable in shaping the final proposal.

For the proposed research

Dr. Helion and Dr. Chein will advise me for the duration of the project and provide specific guidance for my career development and all aspects of the research. Dr. Helion will provide mentorship regarding the use of naturalistic stimuli within the context of fMRI. Both advisors will provide mentorship upon the application of computational methods to explore our outlined hypotheses. Dr. Chein will provide mentorship in the literature on developmental affective neuroscience. Drs. Chein and Dr. Helion will provide mentorship particularly on processing and analysis of the functional MRI data for their respective specialties. I will oversee the day-to-day execution of the project, including design, data collection, analysis, presentation, and writing, in consultation with my advisors.