Score for Makinson, Ryan

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Very Good

Explanation to Applicant

Applicant does not have the scientific presentation experience or publication record of the top level applicants. Otherwise the application is well written with a clear and complete research plan. Applicant could improve the competitiveness of the application by increasing their presentation and publication record.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Excellent

Explanation to Applicant

Applicant has clear and attainable outreach goals. Applicant has a long history of involvement with outreach. In addition the applicant clearly states the broader impact of the study. Applicant has clear statements to build upon previous outreach.
Score for Makinson, Ryan

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit
Excellent

Explanation to Applicant
The applicant was trained in several research laboratories, receiving the experience and technical skills needed to successfully undertake and complete the proposed research project. The research plan was clearly written and the applicant has exhibited the ability to work both collaboratively and independently. As coauthor on publications and meeting presentations, the applicant has also demonstrated the ability to successfully communicate research findings.

Broader Impacts Criterion

Overall Assessment of Broader Impacts
Very Good

Explanation to Applicant
The applicant has been involved in community outreach and has experience in mentoring undergraduate students in science. As a graduate student, the applicant plans to continue community science outreach and to mentor undergraduate and high school students in the research laboratory.
Score for Makinson, Ryan

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Excellent

Explanation to Applicant

The applicant has a strong record of academic success, including multiple research projects, and a first author paper from work done as an undergraduate. The proposed research plan is interesting, and in line with the applicant’s research history.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Excellent

Explanation to Applicant

The applicant has an excellent record of outreach and educational activities, which includes having won an award for working in the local community. The applicant is continuing these efforts in graduate school, reaching out to local minority and disabled students.