

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

Excellent

Explanation to Applicant

Ms. Tremblay proposes to work on a very innovative surface thermochronometer. She demonstrated a very high caliber through her research experience. The three letters of support concur that she is already a brilliant scientist.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Excellent

Explanation to Applicant

Ms. Tremblay is a dedicated mentor and teacher. She will personally have an impact on the education of other young scientists.

Summary Comments

This is a very solid, very well prepared application.

Intellectual Merit Criterion

Overall Assessment of Intellectual Merit

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Explanation to Applicant

The proposal presents a focused hypothesis and a sequence of studies that should easily answer the posed questions. Work to date is progressing and the applicant has given several presentations on the preliminary results. The applicant is very well qualified.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Excellent

Explanation to Applicant

The applicant presents a thoughtful discussion of the broader applications of the research, and if the results are positive, should represent a significant contribution to the geosciences. Furthermore, the applicant has an ongoing record of volunteer service to the community in hopes of engaging young people who might have similar aspirations.

Summary Comments

The proposal combines a well written and focused hypothesis with sound scientific methods, and a history of dissemination to the scientific community and public.

Intellectual Merit Criterion

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Explanation to Applicant

The applicant has impressive academic and research records. The references are outstanding.

Broader Impacts Criterion

Overall Assessment of Broader Impacts

Excellent

Explanation to Applicant

The proposed research has the potential to be very useful to other researchers. The applicant has a proven record of outreach and leadership.

Summary Comments

The applicant has impressive qualifications and the application is well done. The applicant's experiences and the proposed research indicate significant potential to address Broader Impacts.