

Grant Writing

- Why apply for grants.
- When to apply for grants.
- Where to apply for grants.
- What to emphasize in a grant application.

Why?

- Writing a grant application makes you think about your work in a broader context and formulate ideas about where to go next.
- Experts in the field will learn about your work. Reviewers are generally interested and positive.
- Grants are very important for getting tenure-track jobs and/or getting tenure. They also help your department.
- The more grant applications from mathematicians that the governments gets, the more money goes toward math!

When?

- Early and often!
- I was rejected previously. Should I apply again?
Yes! Panelists change, funding levels change, your work changes....

Where?

- NSF graduate fellowships, postdoctoral fellowships, individual research grants, focused research groups, CAREER grants.
- NSA individual research grants
- Simons Foundation grants, AMS Centennial Fellowship, AWM Michler Fellowship,
- See AMS webpage on Awards, Fellowships, and Other Opportunities: www.ams.org/opportunities

What?

A grant application is much like a research statement with a slight difference in emphasis.

- Addressed more at researchers in the field (broadly defined).
- More emphasis on ideas for ongoing and future work. Must include some concrete ideas for approaching new problems.
- (NSF grants) Must include “Broader Impact” section. Need not be directly related to your research. May include activities that help increase the pipeline, bring math to a broader audience, improve math education, etc.

Ask advice from a more senior colleague. Ask to see part of their proposal or to look over yours.

Go for it!

For more information see Topology Students
Resource page: [http://people.math.gatech.edu/
~dmargalit7/tsr/index.shtml](http://people.math.gatech.edu/~dmargalit7/tsr/index.shtml)