Funding Opportunities for Mathematics Graduate Students

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Teaching Assistantships

- Most common form of funding
- Can be split by semester
  e.g. TA in Fall, RA in Spring
- Can be split within a semester
  e.g. 25% TA and 25% RA
- Up to 6 years of funding (or 5 years if you enter with a Masters degree), provided you make good progress academically and perform TA duties satisfactorily
- Request in Spring for following year
- Annual raise determined by grad union contract
Research Assistantships

• Funding typically comes from your adviser’s grant (e.g. Campus Research Board, or NSF, or another granting agency). So first you need to get an adviser!

• RA stipend is usually the same as a TA stipend.

• RA position usually leaves you with plenty of time for your own research.

• Talk to your adviser about possible funding.

• GEAR internship – research in Geometric Structures at various universities.
Math Department and Grad College Fellowships

- Small number available. Highly competitive.
- Based on excellent academic performance
- Fellowship stipend is same as for TA
- Grad College offers Dissertation Completion fellowships
- No duties - time to concentrate on your research!
- Applications announced in the Spring
Summer funding options

- Save money from your stipend during the year.
- Summer TA – Math or NetMath about 20 positions.
- RA through adviser’s grant.
- PI4 funding (restricted to US students).
- GEAR-REGS – research in Geometric Structures and Representation Varieties at various universities.
- Summer schools in U.S. or abroad (talk to professors in your area).
- Paid internship at a company or national lab (arrange by yourself, or through a professor or through PI4, or NSF associated with adviser’s grant.)

Read “grad-announce” emails to learn about opportunities and see [http://www.math.illinois.edu/GraduateProgram/summer-support.html](http://www.math.illinois.edu/GraduateProgram/summer-support.html)
External Fellowships

- Graduate College Fellowship Database
  [https://www.grad.illinois.edu/fellowship/](https://www.grad.illinois.edu/fellowship/)
- Many are restricted to US students
- Many restrict to certain fields of study, demographic characteristics of applicant, dissertation year, or other criteria
- International students – seek funding opportunities from your home country and university
- Fulbright Foreign Student Program
  [http://foreign.fulbrightonline.org](http://foreign.fulbrightonline.org)
External Fellowships held by Math grad students

- **NSF-GRF**: Mychael Sanchez, Kyle Pratt, Marissa Loving, Hadrian Quan
- **National Physical Science Consortium**: Erin Compaan, David Hannasch
- **Ford Foundation**: Vanessa Rivera Quiñones
- **NDSEG**: Sarah Mousley
- **Royal Thai Scholarship**: Siraprapa Rawig, Sakulbuth Ekvittayaniphon
- **NSERC (Canada)**: Nigel Pynn-Coates
- **A*STAR Scholarship, Singapore**: Mingyan Simon Lin
- **Belgian-American Educational Foundation**: Daan Michiels
External Fellowships for U.S. students

Talk with Karen Mortensen if you think you might be eligible

- National Physical Science Consortium - Graduate Fellowships in Science, Engineering, & Math
- Ford Foundation Predoctoral Fellowships
- U.S. Department of Defense - Science, Mathematics, & Research for Transformation Defense Scholarship for Service Program (SMART)
- National Defense Science and Engineering Graduate (NDSEG) – Fellowship
- U.S. Department of Energy Computational Science Graduate Fellowship
NSF Graduate Research Fellowship for U.S. students

• Stipend = $34,000 per year for three years.
• Why to apply: money, freedom, prestige, application experience.
• U.S. students should apply in 1st or 2nd year.
• Criteria: intellectual merit & broader impact.
• Help with applications: faculty, Grad College, Karen Mortensen in our department.