Funding Opportunities for Mathematics Graduate Students

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August 17, 2016
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/
• 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
External Fellowships held by Math grad students

- **NSF-GRF**: Amelia Tebbe, Michelle Delcourt, William Karr, Mychael Sanchez, Kyle Pratt, Marissa Loving, Samuel Cavazos, Hadrian Quan
- **National Physical Science Consortium**: Erin Compaan, David Hannasch
- **Ford Foundation**: Vanessa Rivera Quiñones
- **NDSEG**: Sarah Mousley
- **Royal Thai Scholarship**: Witsarut Pho-on, Siraprapa Rawig, Sakulbuth Ekvittayaniphon
- **NSERC (Canada)**: Nigel Pynn-Coates
- **A*STAR Scholarship, Singapore**: Mingyan Simon Lin
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**
- **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.