

DIVERSITY STATEMENT

ANGELA GIBNEY

I am interested in increasing the numbers and the diversity in the pipeline of the students who go into the math major, and hence from which we draw talent into the career, and I'd like to do everything possible to help with retention. Towards that end, I have been involved in a number "kids on campus" type programs. I also take part in various activities designed to help those in the system to make good choices and thrive.

1 Pipeline

At UT Austin, in lieu of teaching for one year, I was a co-organizer of the Saturday Morning Math Group, <https://www.ma.utexas.edu/users/smmg/>. I helped to organize 8 meetings over the year, held on Saturday mornings from ten to noon, where a faculty member from the University of Texas, or a guest speaker gave a one hour talk about something of interest to high school students. After that, with my co-organizer I would help the students with a hands-on activity with the students. Kids came from all over Austin, including from the poorest areas of town, bussed in by their schools.

At University of Michigan, I helped with the King/Chavez/Parks College Day Visitation Program <http://bit.ly/2cxTdL5>, where 7th and 8th graders from inner city Detroit visited UM for a day long series of activities. The focus was on interacting with UM faculty and exploring possibilities in higher education and career.

At UGA, I gave lectures at the Summer Stem Academy <http://bit.ly/1PPQzKR>, for high school students. With Daniel Krashen, I designed and ran UGA MathCamp <http://torsor.github.io/mathcamp/>, which brings local high-school students to the math department at UGA for one week of mathematical activities in the summer.

A number of other outreach activities are listed on my CV.

2 Retention

Support for women in math

Local Activities: From 2010 until last Spring, I was an organizer of AWM events at UGA and was the faculty contact of an AWM Chapter at UGA. I am an Enhancing Diversity in Graduate Education mentor (EDGE) <http://bit.ly/2cW7j7I>. From 2004-08 I was also a co-organizer with A. Grassi of AWM events at UPenn.

Global Activities: In 2015, with Linda Chen, I co-organized a special session in Algebraic Geometry for the bi-annual AWM Research Symposium, held at the University of Maryland. In 2009, with Diane Maclagan and Jessica Sidman, I co-organized the Connections for Women Conference at MSRI proceeding the Jumbo Session in Algebraic

Geometry. In 2007 I was a speaker at the Women in Science Seminar at the IAS Women's program in Princeton, NJ.

Support for grad students and postdocs

Local Activities: I instituted the Graduate Student Mock AMS Conference at UGA, which helps train graduate students to give short talks as well as to provide a regular, community building activity where they give those talks and get to know each other.

I have helped to organize 8 conferences and workshops here at UGA, including starting the Georgia Algebraic Geometry Symposium, which we now share with Emory and Georgia Tech <https://sites.google.com/site/galgeoms2017/>.

I am one of the co-PIs, and helped write the proposal for our RTG Grant (DMS-1344994) <http://bit.ly/2cW8iES>, which provides financial support to a number of our graduate students and postdocs. Before that I was a co-PI on our VIGRE Grant (DMS-0738586). For these we held and continue to hold professional development seminars at least once per month on topics that are of current interest to graduate students and postdocs. Slides and notes are available on my website <http://www.angelagibney.org/at-uga/>.

Global Activities: I was one of the four co-organizers (with Izzet Coskun, Max Lieblich and Tommaso DeFernex) of the 2015 Bootcamp for the Algebraic Geometry Institute in Salt Lake City, Utah <http://bit.ly/2cEuRjz>. Funding from NSF and NSA came through UGA for example. I was also a mentor at the 2005 Bootcamp <http://bit.ly/2cxTgXj>, held in Seattle. With Dan Abramovich, and James McKernan I helped run the 2004 MRC Program in Snowbird Utah, where I led working group on moduli spaces, and in 2002 I was part of Ravi Vakil's Learning Stacks and Computational Methods through Problem Solving workshop at the University of Illinois at Urbana Champagne.

3 Current and Future Plans

I have the following projects underway: (1) I have applied, with Daniel Krashen, for funding from the Ford Foundation <http://bit.ly/1MI72hV> to continue MathCamp, as our current funding is through Krashen's Career grant, an expires in a year. (2) I have volunteered with Expanding Your Horizons <http://www.eyhn.org/>, to help organize a STEM Conference for elementary school aged girls. (3) In June I will be giving four invited lectures at GAeL, Géométrie Algébrique en Liberté, <http://gael-math.org/aboutgael>, in Bath. Organized by and for early career Algebraic Geometers, most lecturers are given by students and post-docs except for the international speakers (this time one will be me) who deliver mini-courses.