

THE MATH ALLIANCE



DR. DAVID GOLDBERG
Director

Whenever I am asked to explain what the Math Alliance is, I always start by saying we are a national mentoring community. What has always impressed me most about the Math Alliance is the strong sense of community we have developed with each other. I am reminded of this often in one way or another, and there was a great example of this phenomenon this week. Our partners at Georgia State University run a summer program, as part of their Alfred P. Sloan Foundation funded Math Path program. One activity we coordinate with them is a virtual panel featuring Math Alliance Scholars who are either recent doctoral recipients, or current doctoral students, and these panelists share their experience of finding their path toward a quantitative science doctorate and a STEM career. Georgia State has asked us to build a panel of 4 or 5 such individuals, and I am looking to do this in a way that reflects a diversity of experiences, degrees, careers, and backgrounds. So, I went to our database to see how many folks fit the parameters our partners are looking for. It shouldn't surprise me that we know of 95 Math Alliance Predoctoral Scholars who have earned doctorates since 2022, and close to 300 more who are doctoral students, expected to complete degrees by 2026. I asked all these individuals if they would be interested in being part of this panel, and within a day I had over 30 positive responses!

I am so impressed that so many Math Alliance Scholars want to share their experiences with current undergraduates. We have great students, they achieve great things, and they look to sustain this community by participation in events like the one at Georgia State.

There is more for our community to be proud of. Last fall we were nominated for a Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM). This is an award program administered by the National Science Foundation and conferred by the White House Office of Science and Technology Policy. We filed the application materials in late February, and we have heard that the Math Alliance is now a finalist for this award! Our understanding is that means our application now goes to a review process at the administrative level of NSF. Assuming they approve it, it then goes to the White House for further approval. We're not sure what the timeline for learning whether we have won the award is, but we are honored to have been named a finalist. I think this recognition for our community is well deserved and I think we all share credit. I think the story of our community is a compelling one, and it is great to see it recognized in this way.

Now I will give my monthly reminder that we are still taking nominations for [F-GAP](#) and mentors should read the [nomination criteria](#), and then [nominate](#) students in your circle of activities who fit the description. We already have over 70 students participating this year, and based on past experience, we expect there will be over 100 by the time we gather in Atlanta for the Field of Dreams Conference in November. Speaking of the conference, we hope to have information on registering for the Field of Dreams Conference soon, and we will also be announcing the plenary speakers as soon as we are able to confirm them all. So, look for these announcements soon.

What's Happening Next?

- **MAA MathFest 2023** Indianapolis, IN Aug. 7-10, 2024
- **2024 Joint Statistical Meetings (JSM 2024)** Portland, OR
Aug. 3-8, 2024
- **STATFEST 2024** Columbia University- New York, NY
Sept. 21, 2024
- **2024 Field of Dreams Conference (FOD 2024)** Atlanta, GA
November 8-10, 2024

2024-25 F-GAP Program

We are now accepting applications for the 2024-25 F-GAP Program!

What is the F-GAP Program? F-GAP (Facilitated Graduate Admissions Procedure) is a mentoring program for students that are planning to apply to an MS or PhD program in the quantitative sciences within the next year.

Who is eligible to participate? Participation in F-GAP is generally limited to students who:

- will be eligible for graduate school in a quantitative science applying for Fall 2025
- who are US citizens or permanent residents
- who come from ethnic groups that are underrepresented in the quantitative sciences.

Why should a student participate in F-GAP? F-GAP students are matched with a faculty facilitator who will guide and advise them through the graduate school application process. **Also**, active F-GAP students are also invited to attend the Career Paths Workshop in June and the Field of Dreams Conference in November 2024 with all expenses paid by the Math Alliance!

Nominate your students here:

<https://forms.gle/grHsn3isjCu3EUSQA>

Questions? see the [F-GAP webpage](#) or email [Roberto Soto](#)

Math Alliance Named Growing PAESMEM Finalist

In the fall of 2023, the Math Alliance was nominated for the Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM). This is the nation's highest award for STEM mentoring and several of our Mentors have received this recognition over the years. We compiled the application materials and submitted them in late February, and in late March we were notified that we have been named a finalist for this prestigious award. This means the review panel has moved our application forward to the leadership at the National Science Foundation (NSF), who will review and select those finalists to recommend to the White House Office of Science and Technology Policy (OSTP). OSTP will make the final decision on which nominees will receive the PAESMEM. The NSF did send us a certificate recognizing our finalist status, and we're sharing that with you, below.



MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) Programs and Workshops

Call for Proposals: SLMath Research Programs, Workshops, and Summer Graduate Schools

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California invites the submission of proposals for Research Programs, Hot Topics Workshops, Revisiting Fundamental Problems Workshops, and Summer Graduate Schools. The Scientific Advisory Committee (SAC) of the Institute meets in January, May and November to consider proposals. slmath.org/propose

Research Programs

Pre-proposals for full- or half-year scientific research programs generally consist of concentrated activity in a specific area of current research interest in the mathematical sciences. Letters of intent to propose are also accepted. Planning of such programs is generally done about three years in advance. Except in extraordinary cases, a subject is the focus of a program not more than once in ten years. SLMath maintains a list of past and currently scheduled programs at slmath.org/programs.

Hot Topics Workshops

Every year, SLMath holds week-long workshops on areas of intense mathematical activity, proposed by the mathematical community.

Revisiting Fundamental Problems Workshops

This new annual workshop addresses fundamental questions in mathematics that have, for one reason or another, been abandoned or neglected. (Beginning in 2025-26)

Summer Graduate Schools

SLMath Summer Graduate Schools are usually two weeks in length. Some are held in Berkeley or nearby in California, others at partner institutions around the US and worldwide.

Submission Deadlines

- Proposals for Scientific Programs and Hot Topics Workshops for review by the SAC may be submitted by March 1st, October 1st, or December 1st of each year.
- Summer Graduate School Proposals must be submitted by September 1st of each year for annual review.

How to Submit Proposals

- Detailed information can be found at slmath.org/propose.
- Questions? Contact proposals@slmath.org.

MSRI, now SLMath, has been supported from its origins by the U.S. National Science Foundation, joined by the National Security Agency, over 115 Academic Sponsor departments, private foundations, and generous and farsighted individuals.

MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) Programs

2025 Summer Research in Mathematics (Berkeley, CA)

Summer Research in Mathematics at SLMath provides space, funding, and the opportunity for in-person collaboration to small groups of mathematicians with partial results on an established project, including women and gender-expansive individuals, whose ongoing research may have been disproportionately affected by various obstacles including family obligations, professional isolation, or access to funding. Learn more: slmath.org/summer-research

Eligibility: Groups of 2-6 mathematicians with partial results on an established project, with Ph.D. or advanced graduate standing in the mathematical sciences required; at least 1 team member must be U.S. based.

Dates: Visits of a minimum of two weeks must take place between June 2 to August 1, 2025.

How to Apply: Applications will be hosted on MathPrograms.org beginning in Summer 2024. The priority application deadline is **October 11, 2024**. Applications will then be accepted on a rolling basis until capacity is reached.

Funding & Support: Lodging, meals, travel expenses, and post-programmatic travel support. Childcare grants are available for researchers with children under the age of 17 (see website for restrictions) and a nursing room is available. MSRI, now SLMath, has been supported from its origins by the U.S. National Science Foundation, joined by the National Security Agency, over 115 Academic Sponsor departments, private foundations, and generous and farsighted individuals.

Register for Fall 2024 Scientific Workshops at SLMath

SLMath workshops are free to attend in Berkeley and online, thanks to the generous support of our funders, including the National Science Foundation. Register Online: slmath.org/workshops.

New Frontiers in Curvature: Flows, General Relativity, Minimal Submanifolds, and Symmetry

- [Connections Workshop](#): August 21-23, 2024 [Joint Workshop]
- [Introductory Workshop](#): August 26-30, 2024
- [Recent Progress on Geometric Analysis and Riemannian Geometry](#): October 21-25, 2024

Special Geometric Structures and Analysis

- [Connections Workshop](#): August 21-23, 2024 [Joint Workshop]
- [Introductory Workshop](#): September 3-6, 2024
- [Geometry and Analysis of Special Structures on Manifolds](#): November 18-22, 2024

Hot Topics Workshops

- [Hot Topics: Life after the Telescope Conjecture](#): December 9-13, 2024

Funding Support: Funding Support: Established researchers, postdoctoral fellows, and graduate students are invited to apply for funding. Funding awards are typically made eight weeks before the workshop; requests received after the funding deadlines are considered only if additional funds become available. Groups underrepresented in research-intensive contexts including women, gender-expansive individuals, minorities, and mathematicians not located at research centers are welcomed and encouraged to apply.

Resources for Workshop Attendees: SLMath is pleased to be able to offer a private room for nursing parents. Childcare grants are available for researchers with children under the age of 14 (limited to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J-1). See website for full details: <https://www.slmath.org/family-services>

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MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) -Research Programs

Call for Membership: MSRI / SLMath 2024-25 Research Programs

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California, invites applications for membership in the Institute's 2025-26 research programs beginning August 1, 2024. Detailed information can be found at slmath.org/membership and slmath.org/programs.

- [Kinetic Theory: Novel Statistical, Stochastic and Analytical Methods](#) (Fall 2025)
- [Recent Trends in Stochastic Partial Differential Equations](#) (Fall 2025)
- [Geometry and Dynamics for Discrete Subgroups of Higher Rank Lie Groups](#) (Spring 2026)
- [Topological and Geometric Structures in Low Dimensions](#) (Spring 2026)

The following positions are available:

- Research Professorships are intended for senior researchers who will be making key contributions to a program, including the mentoring of postdoctoral fellows, and who will be in residence for three or more months.
- Research Memberships are intended for researchers who will be making contributions to a program and who will be in residence for one or more months.
- Postdoctoral Fellowships are intended for recent PhDs.

How to Apply

SLMath uses MathJobs.org to process applications. Interested candidates must apply online. To receive full consideration, applications must be complete, including all letters of support, by **October 1, 2024** (Research Professors) and **November 15, 2024** (Research Members and Postdoctoral Fellows).

Additional Support

SLMath strives to include a diverse community of mathematicians in its programs, and the Institute is committed to maintaining family-friendly policies and, when possible, facilitating appropriate arrangements for partners and children of program members. Some ways that this addressed include:

- SLMath employs a Family Services Coordinator who provides help in locating schools and other services for mathematicians coming to Berkeley with their families.
- The Complementary Program has a limited number of memberships that are open to mathematicians who are partners of invited members of a core program.
- Childcare grants are available for researchers with children under the age of 18 (limited to U.S. Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1).
- SLMath is pleased to be able to offer a private room for nursing parents.

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More info:

tinyurl.com/statfest2024

Applications for Travel Awards
close June 1, 11:59pm PT

ALL ARE WELCOME!

The mission of the American Statistical Association's Committee on Minorities is to foster participation in statistics and data science by members of minority groups that have been historically under-represented in the field, and to create a more diverse and inclusive discipline.

