



**Upcoming
Events**

**2022
Gulf States
Math Alliance
Conference**
Virtual
**Feb. 25-27,
2022**

**Building
Future Faculty
Program**
NCSU
**Mar 30– Apr. 3,
2022**

JMM 2022
Virtual
**April 6-9,
2022**

**ADJOINT
Workshop**
Berkeley, CA
**Jun. 20-Jul. 1,
2022**

Thoughts from the Director...



David Goldberg

Executive Director
of the
Math Alliance

I hope the new year is starting off as well as possible for all of our community. Of course, we continue to have COVID-19 dominating large parts of our lives. The Omicron variant is going to continue to severely impact many, and all models show many thousands more will die before we are through this wave. Meetings, like the JMM, the Gulf States Math Alliance Conference, and IPAM's Latinx in Mathematics Conference, have been postponed or transformed into virtual events. I am sure many, like me, have many competing thoughts about this. I was looking forward, very much, to resuming these in-person professional activities, and am very fatigued by the last two years that so it is a profound disappointment when these decisions get made. On the other hand, I cannot fault any of the organizers taking these steps, I support their decisions, and am sure I would done the same if I were in charge. I encourage many to attend the virtual [Gulf States Math Alliance Conference](#) on February 25.

Also, we will still be running our sessions at the virtual JMM in April, and we'll remind you of those as we get closer.

On the other hand, we cannot throw out the significant progress we have made just because we are not where we hoped we'd be or where we want to be. For example, the planning for the 2022 Field of Dreams has a much different feel to me than what transpired in planning the 2021 conference. As I have mentioned in previous columns, our leadership and Executive Council took the position that circumstances dictated a virtual event for 2021 even before we turned the calendar from 2020. While we have not finalized a plan for the 2022 conference, I can tell you that the idea we might be able to have an in-person event, with mitigation measures in place, is still alive. One of the hard parts in making this decision will be the fact that so many questions cannot be answered with any confidence at the moment we have to make significant commitments. I hope we have an announcement about the conference soon. Also, our partners at IMA are committed to having our summer workshop again this year, but only if we can hold it in person. Despite the bleakness of the moment we find ourselves in now, we are still optimistic. No matter what, we know our community is strong, and resilient, and we will make the best of it.

We are expecting to have a great year, so look for announcements about F-GAP (including some improvements), the Field of Dreams Conference, the summer workshop, 2022 and much more soon!!

January

[An Invitation to Categorification](#) by Aaron D. Lauda and Joshua Sussan*

[Not Only a Postdoc: The AMS Congressional Fellowship in Midand Late-Career](#) by Rachel Levy*

From the [AMS Bookshelf](#):

[Mathematics for Social Justice: Focusing on Quantitative Reasoning and Statistics](#) by Gizem Karaali* and Lily S. Khadjavi

[Count Me In: Community and Belonging in Mathematics](#) by Della Dumbaugh and Deanna Haunsperger*

February

[The \$\square 0\$ Story: Discrete Fractional Calculus](#) by Raegan Higgins* and Heidi Berger

[A Word from...](#), by Notices Associate Editor, Asamoah Nkwanta*

[The Hesabu Circle](#) by Kagba Suaray, Robin Wilson*, and Rob Rubalcaba

[Reflections on Running an REU \(With an Eye towards Equity\)](#) by Siddhi Krishna and Marissa Kawehi Loving*

[Knot Theory and Complex Curves](#) by Matthew Hedden*

[The Geometry of Toric Syzygies](#) by Christine Berkesch*

Washington Update: [A Mathematician in Congress: Interview with Representative Jerry McNerney](#) by Karen Saxe*

[Community Update](#): Shaniya Peart† received a 2021 Trjitzinsky Award



LETTERS TO THE EDITOR

Letter to the Editor

The AMS recently published the book, *Testimonios: Stories of Latinx and Hispanic Mathematicians*. The book is a celebration of stamina in the face of obstacles. The role that mentoring plays in a person's life takes center stage, both as the mentee and the mentor. Sellenne Banuelos, in her chapter, views "mentoring of underrepresented students as an essential part of my career." In his contribution to this book, Ricardo Cortez states, "I made the decision to dedicate time to work toward increasing the participation of people of color in mathematics at the cost of a reduction in research publications and other professional output."

As a Chicano mathematician in the profession for more than 40 years, I devoted many, many hours to increasing participation by all students in mathematics-based careers. Why did I, as so many of my minority colleagues, devote so much time to mentoring minority students? I can provide an answer to this question quite easily. I was grateful to have had a mathematical career.

Like so many other minority mathematicians, I grew up in poverty. Due to Pell grants and loans, I was able to complete a bachelor's degree. My time in the US Navy allowed me to use the GI Bill to supplement a Teaching Assistantship and complete a doctoral degree. Then I held a tenured position at a state university. The US invested the tax dollars of our citizens in me and supported me for almost six decades. Had there been just a few small changes in my life, I would not have had the benefits of being a mathematician. How could I not be grateful? This gratefulness and my strong belief that mathematical talent lives in every community and will flourish if given a chance led me down this path of giving back to our communities. And not just the minority community, but all communities.

As mathematicians, we have been supported by the tax dollars of our citizens. An infrastructure supports our faculty positions and allows us the real luxury of having that precious time to dream, to carry out our research and attend conferences all over the world. Moreover, we must recognize that mathematical training provides a way out of poverty. Our positions as mathematics faculty makes us the guards at the gate of prosperity.

The dedication that my fellow minority mathematicians have for encouraging minority participation in mathematics-based careers seems natural to me. It is a pattern of behavior that should be emulated by all of us in this profession. Referring back to Sellenne, I exhort my fellow mathematicians to make mentoring our students an essential part of our careers. Society will be better for it.

—William Yslas Vélez
Emeritus Professor of Mathematics
The University of Arizona

UConn UNIVERSITY OF CONNECTICUT

Mathematics Faculty Openings

University of Connecticut, College of Liberal Arts and Science, Department of Mathematics is seeking candidates for the following non-tenure-track positions starting in fall 2022:

**ASSISTANT RESEARCH PROFESSOR
FULL-TIME NON TENURE-TRACK
Storrs, CT**

**VISITING ASSISTANT PROFESSOR
FULL-TIME NON TENURE-TRACK
Storrs, CT**

For details and to apply, please visit
<https://www.mathjobs.org/jobs>

UConn is an AA/EEO employer

*We invite readers to submit letters to the editor at notices-letters@ams.org.

The 2022 Gulf States Math Alliance Conference

Out of an abundance of caution for the pandemic, the conference organizers have decided to move the 2022 Gulf States Math Alliance Conference virtual. It will be held on Friday Feb. 25, 2022, from 2 pm - 6 pm central time on Zoom.

Please register at <https://math.forms.uta.edu/view.php?id=34068>.

Registration is required for participation, but there is no cost for attending the conference. Please encourage your faculty and students to participate.

For any school who are interested in graduate school fair during the conference, please contact Dr. Theresa Martines at Theresa.Martines@austin.utexas.edu or Dr. Jianzhong Su at Su@uta.edu.

MathPath 2022 Looking for Counselors and Assistants

COUNSELORS

MathPath, a residential summer program for students aged 11-14 (typically middle schoolers) who are exceptionally gifted in mathematics, is now hiring counselors for MathPath 2022. Candidates for this position should be individuals who love math, interesting & accessible problems & puzzles; and love working with, spending time with, and caring for younger students (aged 11-14). Candidates for this position should be current undergraduate students who have declared a major in Mathematics (or Computer Science), or who have not yet declared a major but have serious interest in mathematics. Please see our website for a detailed job description, information about job qualifications, and the application process: <https://www.mathpath.org/employment/counselors>

Apply by **February 15, 2022** for first round consideration. If you have any questions, would like more information about the position, please email Program Director April Verser at april.verser@mathpath.org.

ASSISTANTS

MathPath, a residential summer program for students aged 11-14 (typically middle schoolers) who are exceptionally gifted in mathematics, is now hiring Senior Staff Assistants for MathPath 2022. Candidates for this position should be individuals who are enthusiastic about working on a team, able to handle multiple projects simultaneously, and love working with bright young students (aged 11-14). We are looking for individuals who hold a Bachelor's Degree (preferably in math or a related field) and are over 25 years of age. For a detailed job description and information about how to apply, please visit our website: <https://www.mathpath.org/employment/staff>

Apply by **March 1, 2022** for first round consideration. If you have any questions or would like more information about the position, please email Program Director April Verser at april.verser@mathpath.org.

A Conference Celebrating the Accomplishments and Influences of Alan W. Reid

A conference on the interactions between geometry, arithmetic, and groups will be held at the **University of Texas, Austin, June 20-24, 2022**, celebrating the accomplishments and influences of Alan W. Reid.

In addition to the invited talks there will be a series of lightning talks providing the opportunity for more participants to share their research.

Registration: is now open! Please fill out [this form](#), and if you are a graduate student/postdoc and would like funding (assuming this becomes available), please have your advisor or postdoc mentor write us a short message, sent to the email below. **Registration closes April 30, 2022.** Priority for funding will be given to junior participants and those from under-represented groups and schools.

Hotel: Click [here](#) for information. More details, including specifics regarding accommodations, will be coming soon.

Organizers: Jason Callahan, Eric Chesebro, Jason DeBlois, Cameron Gordon, Chris Leininger, Ben McReynolds, Kate Petersen. For childcare options, please see the [Extend-A-Care YMCA site](#).

Email any questions to: awr2022@googlegroups.com. See the conference [webpage](#) for more information and for a list of speakers.

A Conference Celebrating the 70th Birthday of Igor Frenkel "From Representation Theory to Mathematical Physics and Back"

Announcing the conference "From Representation Theory to Mathematical Physics and Back" in honor of Igor Frenkel's 70th birthday to be held at the Simons Center for Geometry and Physics from **May 31st to June 4th 2022**.

If faculty or students are interested in attending, please see the website below for details <http://scgp.stonybrook.edu/archives/34420> There is a possibility of partial funding for some participants.

Please contact Joshua Sussan for more information: joshuasussan@gmail.com

Groundwork for Operator Algebras Lecture Series (GOALS) 2022

July 17 – 31, 2022

University of Montana

Department of Mathematical Sciences

GOALS is a two-week summer program, aimed at first- and second-year graduate students who are interested in operator algebras and related fields (e.g. noncommutative geometry, quantum information). At GOALS, participants will gain mathematical, professional, and interpersonal tools to help prepare them for successful careers in operator algebras.

Using a combination of mini-courses, problem sessions, and expository talks, this program will provide graduate students with an accelerated introduction to the basics of operator algebras. GOALS aims to increase participation and retention in the field by persons from traditionally underrepresented groups by removing technical barriers to the field and building a strong community of support amongst the participants, contributors, and organizers. The program will conclude with a culminating workshop in which leading experts in operator algebras will provide accessible overviews of their research programs to participants.

More information, including schedules and notes from previous years, about GOALS can be found [here](#). Feel free to contact the organizers at goals.math@gmail.com

Application Deadline: April 1st.

[Application information and instructions.](#)

Roots of Unity Workshop



It is our pleasure to announce that applications are now open for the [Roots of Unity Workshop](#) happening June 12-16, 2022. The application **deadline is February 15, 2022.**

This week-long workshop is designed to support women, particularly women of color, who have completed 1–3 years of graduate school and are considering research in algebra, combinatorics, geometry, topology, or number theory. If you are a student who would benefit from this workshop, or you know such a student, please pass along this announcement, including the [link to the application](#).

David Harold Blackwell Summer Research Institute

The David Harold Blackwell Summer Research Institute is a six-week competitive summer activity designed to provide research experience to talented undergraduate students. Students will conduct research in Applied Probability, Analysis, or Theoretical Computer Science, under the supervision of faculty members who are experts in these areas.

The David Harold Blackwell Summer Research Institute will be led by **Prof. Todd Coleman** (Stanford), **Wilfrid Gangbo** (UCLA Math), and **Jelani Nelson** (UC Berkeley EECS), who will mentor the students directly.

Application deadline is February, 15, 2022.

To Apply: <https://www.mathprograms.org/db/programs/991>

For more information see their webpage:

<https://ww3.math.ucla.edu/david-harold-blackwell-summer-research-institute/>

Heidelberg Laureate Forum

The 9th Heidelberg Laureate Forum will be held **September 18-23, 2022 in Heidelberg, Germany**. To be considered for participation, [young researchers can either apply directly](#) or be nominated by a colleague (or professor, mentor or manager) who can attest to the quality of their work. Nominations will likely carry a bit more weight within the selection process. If you or a colleague would like to make a nomination, you will need to [register to be a nominator](#) using the ACM “Organization code”: **ACM83612 (if you are in the field of computer science)**.

Applications and nominations must be completed by **February 11, 2022**. Read more about how to apply in the FAQ, <https://www.heidelberg-laureate-forum.org/faq/>.

In computing, the pool of applications and nominations will be reviewed by international experts from ACM.

Through the Heidelberg Laureate Forum, ACM is helping to raise the visibility of the computing discipline worldwide. I hope you will share this information about the event with colleagues and students. I also hope your department (or school or laboratory or center) will be the source of several applications or nominations.

COLUMBIA UNIVERSITY

Bridge to the Ph.D. Program in STEM

The Bridge Program provides a two-year research, academic, and mentoring experience for underrepresented scholars interested in pursuing a Ph.D. in STEM.

Visit bit.ly/cubridge for more information.

To Apply!!!

Applications are open until
Feb. 15, 2022
bit.ly/CUBridge_app



Want to learn more?

Sign up for an
information session.
bit.ly/cubridgeinfo22



Application Components

- Cover letter
- Resume or curriculum vitae
- Statement of intent
- Official transcript(s)
- Two letters of recommendation

Program Eligibility

Bridge scholars must have:

- A four-year degree from an accredited college or university
- A minimum GPA of 2.7 on a 4.0 scale
- A desire to apply to Ph.D. programs after completing the Bridge Program
- U.S. citizenship or permanent residence status

STEM Disciplines

The Bridge Program accepts applications from students interested in the following disciplines:

- Astronomy
- Biological Sciences
- Chemistry
- Earth & Environmental Sciences
- Economics
- Engineering*
- Mathematics
- Physics
- Psychology
- Statistics

*Engineering disciplines include applied physics & applied mathematics, biomedical engineering, chemical engineering, civil engineering, computer science, earth & environmental engineering, industrial engineering & operations research, and mechanical engineering.



Kwame Osei-Sarfo, Ph.D.
cubridgetophd@columbia.edu



bit.ly/cubridge



@cubridgephd



BAMM!

Bolstering the Advancement of Masters in Mathematics

Join our supportive and growing community of master's students and faculty mentors!

Enrollment at a BAMM!

CSU Site is *required*:

- Cal Poly Pomona
- Fresno State
- San Francisco State University

Contact:

- John Rock, Cal Poly Pomona (jarock@cpp.edu)
- Kimberly Seashore, San Francisco State University (kimseash@sfsu.edu)
- Oscar Vega, Fresno State (ovega@csufresno.edu)
- Robin Wilson, Cal Poly Pomona (robinwilson@cpp.edu)

Low-income students with demonstrated financial need and students from underrepresented groups in the mathematical sciences are particularly encouraged to apply.

What is BAMM?

BAMM! provides financial support and mentoring for Master's students who wish to pursue a Ph.D. in the mathematical sciences. BAMM! is a fulfilling, cohort-based program in which each participant receives up to **\$20,000** in scholarships (up to \$10,000 per year for 2022-23 and 2023-24) at any of the three BAMM! CSU sites. Key features of BAMM! include a supportive community of fellow students and mentors, advanced coursework in the mathematical sciences, research experiences, continual guidance, and opportunities to attend conferences to network and gain experience presenting results.

Application Requirements

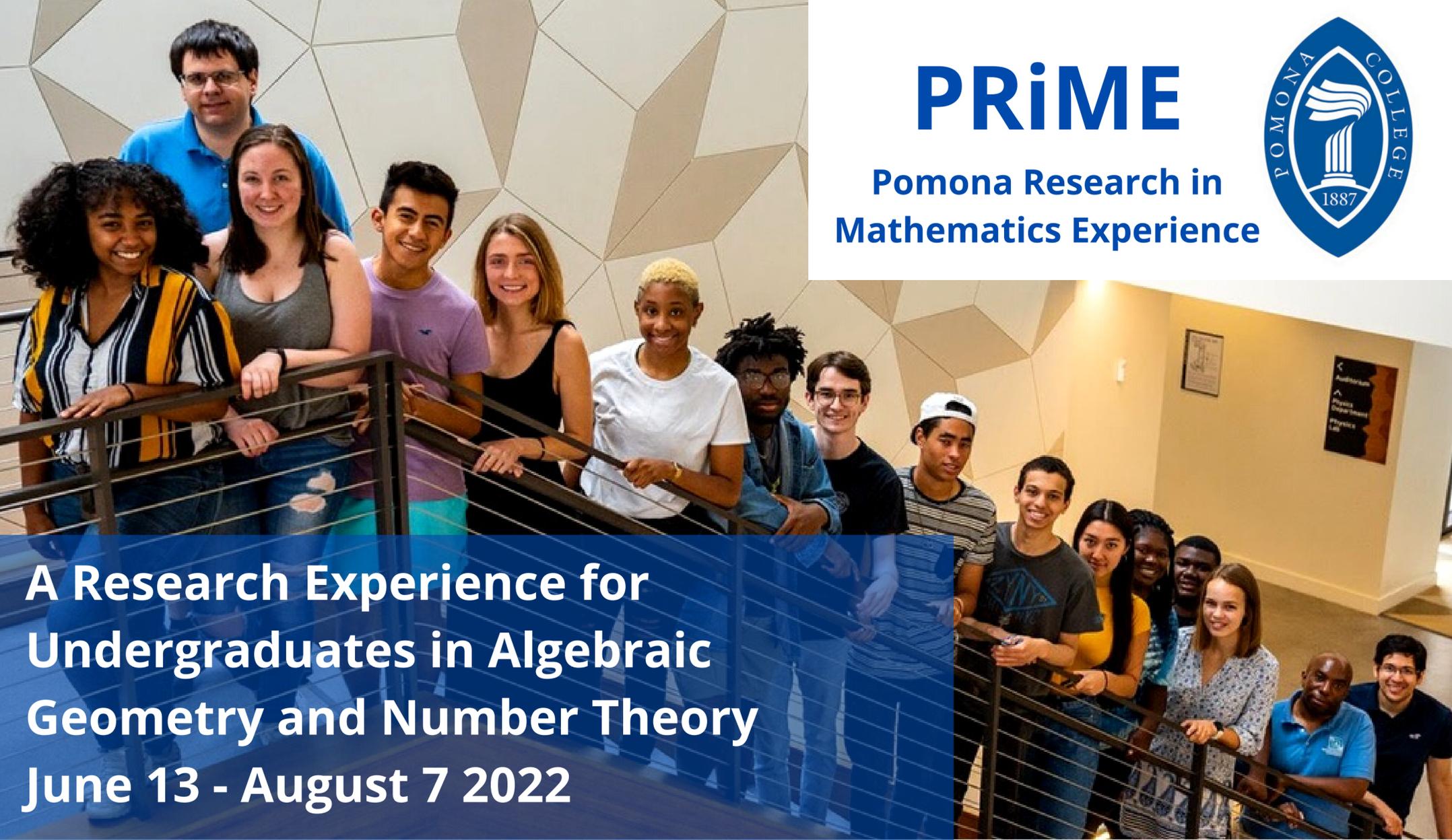
- A personal statement addressing a desire to pursue a Ph.D. in the mathematical sciences, including Pure Mathematics, Applied Mathematics, Statistics, and Mathematics Education.
- Two recommendation letters from mathematical sciences faculty.
- Unofficial transcripts from bachelor's-granting institution.
- A bachelor's degree conferred by August 2022.
- **Application Deadline: April 15th, 2022. [Apply online!](#)**
- **Website: sites.google.com/mail.fresnostate.edu/bamm**

Eligibility

Applicants for the BAMM! program must be:

- Eligible for Financial Aid (via FAFSA).
- U.S. citizens or permanent residents.
- Eventually admitted and enrolled in a Master's program for Fall 2022 in the mathematical sciences at a BAMM! CSU site: Cal Poly Pomona, Fresno State, or San Francisco State University.





PRiME

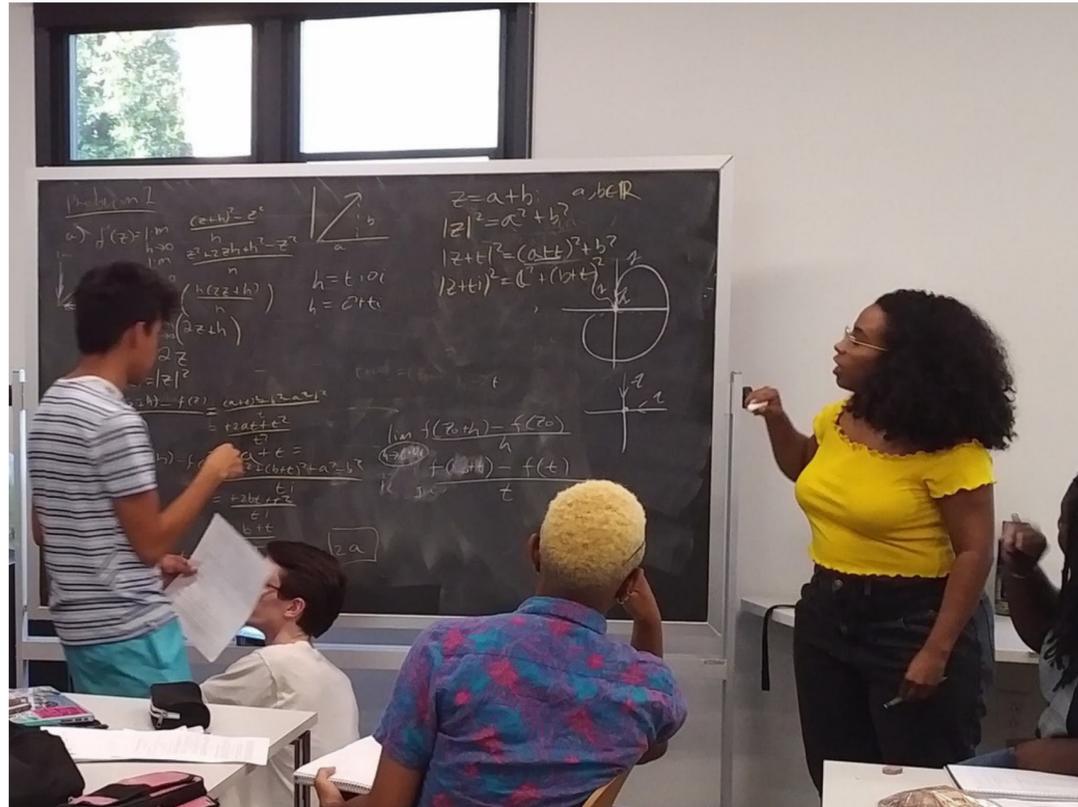
Pomona Research in Mathematics Experience



A Research Experience for Undergraduates in Algebraic Geometry and Number Theory June 13 - August 7 2022

This program will take place at Pomona College
Participants will receive a stipend of \$4000

Applications due
February 15, 2022



<http://research.pomona.edu/prime>
Contact edray.goins@pomona.edu
for more information





MAA Project NExT

NEW EXPERIENCES IN TEACHING

Launch the NExT stage of your career

MAA Project NExT (New Experiences in Teaching) is a year-long professional development program for new(ish) or recent PhDs in the mathematical sciences. The program is designed to connect new faculty with expert teachers and leaders in the mathematics community and address the three main aspects of an academic career: teaching, research, and service.

Recent program sessions have included:

- getting your research and grant-writing off to a good start,
- innovative teaching and assessment methods and why they work,
- finding your niche in the profession,
- attracting and retaining underrepresented students,
- balancing teaching, research, and service demands,
- starting an undergraduate research program, and
- preparing for tenure.

MAA Project NExT Fellows join an active community of faculty who have become award-winning teachers, innovators on their campuses, active members of the MAA, and leaders in the profession.

MAA Project NExT welcomes applications from new(ish) and recent PhDs in postdoctoral, tenure-track, and visiting positions. We particularly encourage applicants from underrepresented groups, including women and minorities. Applications for the 2022 cohort of MAA Project NExT Fellows are due on **April 15, 2022** and can be found at projectnext.maa.org.

Project NExTers (Silver '19) at MAA MathFest in Cincinnati.



Application deadline: April 15, 2022
projectnext.maa.org • projectnext@maa.org



MATH ALLIANCE PARTER INSTITUTION

Tenure-Track Open Rank Position in Biostatistics Announced at the University of Washington



BIostatISTICS
SCHOOL OF PUBLIC HEALTH

The Department of Biostatistics within the School of Public Health at the University of Washington (UW) is a leading center of excellence for the development and application of statistical methods and theory in health sciences. It has longstanding partnerships with many local research institutes and with the Department of Statistics, with which it shares core courses in its rigorous training programs. More information can be found at <https://www.biostat.washington.edu/about>.

The Department of Biostatistics invites applications for one faculty position at the rank of Professor (with tenure), Associate Professor (with tenure) or Assistant Professor (tenure-track). This is a full time (100% FTE), 12-month service period position with anticipated start in Fall 2022. Salary and rank will be commensurate with qualifications and experience.

The successful candidates will be expected to:

1. maintain an established high-impact statistical research program supported by external grants;
2. participate in collaborative research with members of the Department, its partners and/or the greater scientific community;
3. provide educational leadership in the Department's teaching program, including formal classroom teaching and mentoring of student research, with emphasis on innovative pedagogy and attention to equity, diversity and inclusion;
4. contribute to the departmental community by engaging in seminars and other departmental outreach activities, including in serving on key committees;
5. actively promote diversity, equity and inclusion in the Department and the field of biostatistics;
6. play an active role in Department, School and/or University governance and leadership.

QUALIFICATIONS. Candidates must have a PhD or DSc (or foreign equivalent) in biostatistics, statistics, or a related field. It is critical that they also have an established record of high-quality research, teaching, and independent funding.

APPLICATION INSTRUCTIONS. All applicants are asked to submit:

1. a cover letter describing what they see as their future potential contribution (e.g., scientific leadership, pedagogy, diversity) to the discipline and Department;
2. an up-to-date curriculum vitae detailing publication, teaching and funding history;
3. a statement describing demonstrated commitment and activity in support of diversity, equity and inclusion;
4. contact information for three (3) references.

This institution is using Interfolio to conduct this search. Applicants can submit all application materials free of charge via <http://apply.interfolio.com/95846>. **Review of applications will begin on January 17, 2022** (revised from original date of December 1, 2021). Applicants who submit all required documents by January 17, 2022 are guaranteed full consideration. Applications received after January 17, 2022 will be reviewed on a weekly basis at the discretion of the search committee until the position is filled or the search is closed. **CONTACT INFORMATION.** For questions, please contact Ashneel Reddy at bacadhr@uw.edu.

COMMITMENT TO DIVERSITY. The Department recognizes that health disparities stem from inequity, and encourages and supports the multiple identities of staff, faculty, and students including, but not limited to, socioeconomic status, race, ethnicity, language, nationality, sex, sexual orientation, gender identity and expression, culture, geography, spiritual practice, mental and physical disability, and age. It strives to develop and maintain increased representation and recognition of each dimension of diversity among its faculty, staff, and students. The department has an active Equity, Diversity and Inclusion committee. A summary of the mission and the activities of that committee can be found online (www.biostat.washington.edu/about/diversity).

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the [UW Diversity Blueprint](#). Additionally, the University's [Faculty Code](#) recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profiles and responsibilities.

EQUAL EMPLOYMENT OPPORTUNITY. The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.



MATH ALLIANCE PARTNER INSTITUTION

The Data Mine at Purdue University is Hiring!

PURDUE
UNIVERSITY

[TO APPLY](#)

Corporate Partners Technical Specialist

Job Summary **Requisition ID: 16968** **This posting represents 2 vacancies**

Purdue University is looking for the right candidate to fill the newly created role of Corporate Partners Technical Specialist. This position is an entry-level professional and technical contributor on a project or work team on a day-to-day basis, in coordination with the Corporate Partner Senior Managers, The Data Mine (West Lafayette) staff, and research clientele associated with research and experiential learning projects.

Corporate Partners Technical Specialists will be expected to engage with the Indiana Data Mine statewide expansion and Corporate Research Partners fulfilling the objective to provide a valuable data science project experience for students, faculty, and corporate mentors.

Corporate Partners Technical Specialists will mentor and provide technical expertise to student teams and oversee the analysis of data, and compilation of results. This position is also expected to demonstrate procedures of analysis when needed; will participate in preparation of oral and written communication including articles for publication, grant proposals, reports to sponsors, and conference presentations; will oversee undergraduate students concerning research which may require modification of procedures when considering resource capacity, limitations, or timeframe; will communicate with parties within and outside of area to explain facts, policies and practices related to the field of specialization. Requires theoretical knowledge of fundamental data science concepts typically obtained through specific education and training.

Required:

- Bachelor's degree
- 0 to 1 year of data science industry experience
- Organized and able to demonstrate project management skills for several projects simultaneously
- Skilled in active listening
- Skilled in problem solving
- Skilled in verbal and written communication skills, including presentation skills
- Skilled in data analytics skills and willingness to learn new methods
- Ability to interact with individuals at various levels across campus and external to the university, including senior leadership within companies
- Understands modern data science and big data skills, including but not limited to Python, R, SQL, UNIX, High-Performance Computing Systems

Preferred:

- Some data science industry experience (obtained through internships or past projects)
- Familiarity and/or experience with the Agile methodology

Additional Information:

- Purdue will not sponsor employment authorization for this position
- A background check will be required for employment in this position
- FLSA: Exempt (Not Eligible For Overtime)
- Retirement Eligibility: Defined Contribution Waiting Period

Purdue University is an EOE/AA employer. All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply.



MATH ALLIANCE PARTNER INSTITUTION

Tenure-Track Assistant Teaching Professor Position in Biostatistics Announced at the University of Washington



BIostatISTICS
SCHOOL OF PUBLIC HEALTH

The Department of Biostatistics within the School of Public Health at the University of Washington (UW) is a leading center of excellence for the development and application of statistical methods and theory in health sciences. It has longstanding partnerships with many local research institutes and with the Department of Statistics, with which it shares core courses in its rigorous training programs. More information can be found at <https://www.biostat.washington.edu/about>.

The Department of Biostatistics invites applications for one faculty position at the rank of Assistant Teaching Professor without tenure. This is a full time (100% FTE), 12-month service period position with an anticipated start date of Fall 2022. The position is non-tenure eligible. Salary will be based on qualifications and experience.

The successful candidates will:

- i. teach 4 – 6 Biostatistics courses per year (quarter system) including both undergraduate and graduate courses.
- ii. provide educational leadership in the Department's teaching program with emphasis on innovative pedagogy and attention to diversity, equity and inclusion;
- iii. contribute to the departmental community by engaging in seminars and departmental outreach activities;
- iv. play an active role in Department, School and University leadership, for example, by engaging in governance, serving on key committees, and helping to continually update educational vision and strategy.

QUALIFICATIONS. Candidates must have a PhD (or foreign equivalent) in biostatistics, statistics, or a related field and must have demonstrated excellence in teaching Biostatistics and/or Statistics at the university level.

APPLICATION INSTRUCTIONS. All applicants are asked to submit:

1. a cover letter describing what you see as your future potential contribution to the educational mission of the Department;
2. an up-to-date curriculum vitae detailing publication, teaching and (if applicable) funding history;
3. a statement describing your teaching values, and practices; please comment on your perspective regarding different teaching modalities, engaging students from varied disciplines and mathematical backgrounds, and teaching at scale.
4. a statement describing demonstrated commitment and activity in support of diversity, equity and inclusion;
5. contact information for three (3) references.

This institution is using Interfolio to conduct this search. Applicants can submit all application materials free of charge via <http://apply.interfolio.com/94845>. **Review of applications will begin on January 17, 2022** (revised from original date of December 1, 2021). Applicants who submit all required documents by January 17, 2022 are guaranteed full consideration. Applications received after January 17, 2022 will be reviewed on a weekly basis at the discretion of the search committee until the position is filled or the search is closed. **CONTACT INFORMATION.** For questions, please contact Ashneel Reddy at bacadhr@uw.edu.

COMMITMENT TO DIVERSITY. The Department recognizes that health disparities stem from inequity, and encourages and supports the multiple identities of staff, faculty, and students including, but not limited to, socioeconomic status, race, ethnicity, language, nationality, sex, sexual orientation, gender identity and expression, culture, geography, spiritual practice, mental and physical disability, and age. It strives to develop and maintain increased representation and recognition of each dimension of diversity among its faculty, staff, and students. The department has an active Equity, Diversity and Inclusion committee. A summary of the mission and the activities of that committee can be found online (www.biostat.washington.edu/about/diversity).

The University of Washington is committed to building diversity among its faculty, librarian, staff, and student communities, and articulates that commitment in the UW Diversity Blueprint (www.washington.edu/diversity/diversity-blueprint). Additionally, the University's Faculty Code recognizes faculty efforts in research, teaching and/or service that address diversity and equal opportunity as important contributions to a faculty member's academic profiles and responsibilities (www.washington.edu/admin/rules/policies/FCG/FCCH24.html#2432).

EQUAL EMPLOYMENT OPPORTUNITY. The University of Washington is an affirmative action and equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, marital status, pregnancy, genetic information, gender identity or expression, age, disability, or protected veteran status.



MATH ALLIANCE PARTER INSTITUTION

Lecturer Position in Mathematics Announced at Arizona State University, West Campus



The School of Mathematical and Natural Sciences on ASU's West campus invites applications for a full-time, benefits-eligible lecturer in Applied Mathematics.

Please submit all application materials to apply.interfolio.com/97325. The initial **application deadline is November 29, 2021** at 11:59 p.m., Eastern Standard Time. Applications will continue to be accepted on a rolling basis for a reserve pool that may be reviewed in the order in which they were received until the position is filled.

Essential Functions of the Position:

- Teach courses in relevant areas.
- The individual filling this position is expected to deliver excellent in-class and online instruction at the undergraduate level.
- Contribute to curriculum development of Applied Mathematics related courses.
- Provide course coordination for large classes with multiple sections, and contribute other service to the School and University.
- The typical teaching load is four courses per semester.
- Lecturers are also expected to work with colleagues within and outside the school to develop innovative curricula that enhance student access and success.
- Typical classes may include but are not limited to: MAT 117 College Algebra; MAT 210 Brief Calculus; MAT 211 Math for Business Analysis; MAT 270/271/272/ Calculus w/Analytic Geometry I, II, III; MAT 300 Mathematical Structure; MAT 343 Applied Linear Algebra.

Required Qualifications:

- M.S. (or equivalent or higher degree) in Mathematics, or related field by the time of appointment.
- Experience working with diverse populations and supporting student success.
- Experience teaching at the college level.

Application Deadline:

The initial **application deadline is November 29, 2021** at 11:59 p.m., Eastern Standard Time. Applications will continue to be accepted on a rolling basis for a reserve pool. Applications in the reserve pool may then be reviewed in the order in which they were received until the position is filled. A background check and official transcripts are required prior to employment.

Application Procedure:

Only electronic submissions via Interfolio will be reviewed. Incomplete applications will not be considered. Please submit all application materials to apply.interfolio.com/97325.

Applications must contain:

- Cover letter that addresses the required and desired qualifications
- Curriculum vitae with contact information, including telephone number and e-mail address
- One page statement of teaching philosophy (describing courses you could teach and your previous teaching experiences)
- Unofficial graduate transcripts
- An equity statement with specific examples that describes how your teaching interests and experience demonstrate a commitment to equity, diversity, inclusion and belonging. If known, include the impact that your actions have had on the success of one or more students
- Information for three professional references (their position, title, e-mail, phone number)
- A statement with specific examples and indication of impact that describes how your teaching interests and experience have intersected with and/or will contribute to matters of justice, equity, diversity and inclusion

ASU conducts pre-employment screening for all positions which includes a criminal background check, verification of work history, academic credentials, licenses, and certifications. Employment is contingent upon successfully passing the background check.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor in Applied and Computational Mathematics Position Announced at Univ. of California, Riverside

The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor position in Applied and Computational Mathematics, beginning on July 1, 2022. The desired specialties include the modeling of fluids, optimization, machine learning, and computational methods for nonlinear partial differential equations. This academic-year position is intended for the level of tenure-track Assistant Professor.

Responsibilities of the position include research, graduate and undergraduate teaching and departmental, university and professional service. Established criteria of the University of California will determine the salary and the level of appointment.

A Ph.D. in Mathematics and demonstrated excellence in research and teaching is required. The successful candidate will have made major contributions beyond the doctoral dissertation. People from underrepresented groups are particularly encouraged to apply.

To apply: go to <https://apptrkr.com/2796986> and submit:

- Cover Letter
- Curriculum Vitae, including a list of publications
- Statement of Research
- Statement of Teaching, and (optionally) copies of teaching evaluations.
- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence
- Letters of Reference – Applicants should provide 3 letters on research and one additional letter of recommendation on teaching.

Evaluation of applications will begin on **March 25, 2022** and will continue until the position is filled. For full consideration, applicants should submit their complete applications before the above date.

For more information about the position, please contact Dr. Mark Alber, Department of Mathematics: malber@ucr.edu. For inquiries regarding the application process, please contact Guadalupe Figueroa, Academic Personnel, at guadalupe.figueroa@ucr.edu.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified candidates will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

University of California COVID-19 Vaccination Program Policy

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. New University of California employees must (a) provide proof of receiving at least one dose of a COVID-19 Vaccine no later than 14 calendar days after their first date of employment and provide proof of Full Vaccination no later than eight weeks after their first date of employment; or (b) if applicable, submit a request for Exception or Deferral no later than 14 calendar days after their first date of employment. Federal, state, or local public health directives may impose additional requirements.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor in Pure Mathematics Position Announced at University of California, Riverside

The Department of Mathematics at the University of California, Riverside invites applications for an Assistant Professor position in Pure Mathematics with a specialization in either analysis or topology, beginning on July 1, 2022. This academic-year position is intended for the level of tenure-track Assistant Professor.

Responsibilities of the position include research, graduate and undergraduate teaching and departmental, university and professional service. Established criteria of the University of California will determine the salary and the level of appointment.

A Ph.D. in Mathematics and demonstrated excellence in research and teaching is required. The successful candidate will have made major contributions beyond the doctoral dissertation. People from underrepresented groups are particularly encouraged to apply.

To apply: go to <https://apptrkr.com/2797337> and submit

- Cover Letter
- Curriculum Vitae, including a list of publications
- Statement of Research
- Statement of Teaching, and (optionally) copies of teaching evaluations.
- Statement of Past and/or Planned Future Contributions to Advancing Diversity and Inclusive Excellence
- Letters of Reference – Applicants should provide 3 letters on research and one additional letter of recommendation on teaching.

Evaluation of applications will begin on **March 25, 2022** and will continue until the position is filled. For full consideration, applicants should submit their complete applications before the above date.

For more information about the position, please contact Dr. Amir Moradifam, Department of Mathematics: amirm@ucr.edu. For inquiries regarding the application process, please contact Guadalupe Figueroa, Academic Personnel, at guadalupe.figueroa@ucr.edu.

Advancement through the faculty ranks at the University of California is through a series of structured, merit-based evaluations, occurring every 2-3 years, each of which includes substantial peer input.

UCR is a world-class research university with an exceptionally diverse undergraduate student body. Its mission is explicitly linked to providing routes to educational success for underrepresented and first-generation college students. A commitment to this mission is a preferred qualification.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified candidates will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability, protected veteran status, or any other characteristic protected by law.

University of California COVID-19 Vaccination Program Policy

As a condition of employment, you will be required to comply with the University of California SARS-CoV-2 (COVID-19) Vaccination Program Policy. All Covered Individuals under the policy must provide proof of Full Vaccination or, if applicable, submit a request for Exception (based on Medical Exemption, Disability, and/or Religious Objection) or Deferral (based on pregnancy) no later than the applicable deadline. New University of California employees must (a) provide proof of receiving at least one dose of a COVID-19 Vaccine no later than 14 calendar days after their first date of employment and provide proof of Full Vaccination no later than eight weeks after their first date of employment; or (b) if applicable, submit a request for Exception or Deferral no later than 14 calendar days after their first date of employment. Federal, state, or local public health directives may impose additional requirements.



MATH ALLIANCE MEMBER INSTITUTION

Two Faculty Positions in Mathematics Announced at Saint Louis University



Saint Louis University invites applications for full time permanent positions in the Department of Mathematics and Statistics. These positions will begin in August, 2022. **Applications received by 1/4/2022 are assured of full consideration.**

SAINT LOUIS UNIVERSITY — EST. 1818 — Our department currently consists of twenty-four faculty members whose research areas include algebra, analysis, geometry, topology, statistics, and mathematics education. We offer both the Bachelor of Arts and Bachelor of Science degrees in mathematics at the undergraduate level and participate in the interdisciplinary Bachelor of Science program in Data Science. At the graduate level, the Department offers both the Master of Arts and Doctorate of Philosophy in mathematics. The Department web page is <http://mathstat.slu.edu>.

Saint Louis University is an equal opportunity/affirmative action employer. All qualified candidates will receive consideration for the position applied for without regard to race, color, religion, sex, age, national origin, disability, marital status, sexual orientation, military/veteran status, gender identity, or other non-merit factors. We welcome and encourage applications from minorities, women, protected veterans, and individuals with disabilities (including disabled veterans). If accommodations are needed for completing the application and/or with the interviewing process, please contact Human Resources at 314-977-5847.

Tenure Track Assistant Professor

Ph.D. required in Mathematics or a related area. The department seeks candidates with outstanding potential in both research and teaching, who will contribute to the overall strength of the department. Candidates should demonstrate the ability to enhance established research groups at SLU. The department is especially interested in candidates whose research program also has an applied, statistical, or computational component.

Duties include:

- Maintaining an active research program.
- Teaching both undergraduate and graduate courses, with a typical load of two courses per semester for active researchers.
- Eventual participation in the supervision of master's theses and doctoral dissertations.
- Participation in department governance and university service.

Application materials must be submitted through [MathJobs](#). The application should include: CV, statement of research interests, teaching statement, and three letters of recommendation (including at least one that addresses teaching).

Non-tenure-track Assistant Professor

Ph.D. required in Mathematics, Statistics, or a related area. The department seeks candidates who are established and excellent educators, who can contribute to the educational mission of the department. Candidates should demonstrate an engagement with the scholarship of teaching and learning through publications or other professional activities.

Duties include:

- Teaching undergraduate courses, with a typical load of three courses per semester.
- Leadership in curricular development.
- Engagement with the scholarship of teaching and learning.
- Participation in department governance and university service.

Application materials must be submitted through [MathJobs](#). The application should include: CV, statement of teaching interests and experience, and three letters of recommendation (including at least two that address teaching).

Visit the department website mathstat.slu.edu for details.



MATH ALLIANCE MEMBER INSTITUTION

Multiple Tenure-Track Positions in Statistics Announced at North Carolina State University

NC STATE UNIVERSITY

The Department of Statistics at North Carolina State University seeks to hire multiple tenured/tenure-track faculty. All ranks will be considered. The start date is August 16, 2022.

Applicants with interests and expertise in theoretical or methodological research in any area of statistics or biostatistics will be considered. Candidates with interests in data science, machine learning, and modern methods of data analysis more generally are encouraged to apply. The ability and desire to supervise graduate student research and to pursue excellence in teaching are essential.

The position carries responsibilities for teaching, conducting scholarly research, advising students, and contributing to program development and scholarly activities in the department. Quality teaching and research leading to publications in scholarly journals are prerequisites for advancement.

Teaching responsibilities will include undergraduate and graduate level courses in statistics. The person in this position is expected to develop/continue vigorous, nationally recognized research programs and is expected to serve as research adviser for doctoral students. The employee is expected to obtain/continue external support for research through competitive grants and to communicate the results to the statistics, biostatistics, bioinformatics, or related communities by publishing regularly in refereed journals and by presenting at professional meetings and in other departments at NC State and other universities.

The incumbent will also be expected to foster an environment that is supportive and welcoming of all groups.

Position Qualifications

Must have a PhD in Statistics or Biostatistics or related field. The successful candidate will be expected to develop an externally funded research program, and demonstrate a commitment to excellence in research and teaching. The candidate should have a strong capacity to teach at both the undergraduate and graduate levels, and the desire to mentor graduate students.

Application Instructions

In addition to your application please submit a CV, cover letter, research statement, and the contact information for at least three (3) professional references.

To submit an application, visit <https://jobs.ncsu.edu/postings/146782>

The committee will begin reviewing applications November 1, 2021.

Email: BRIAN_REICH@NCSTU.EDU



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor in Mathematics Position Announced at Northern Illinois University



Northern Illinois University

Anticipated tenure-track position in applied mathematics at the Assistant Professor level to begin August 2022. Current faculty interests in applied and computational mathematics include partial differential equations, data science, optimization, mathematical biology, and applied and computational harmonic analysis.

Required Qualifications:

PhD in mathematics or its equivalent required at the time of appointment. Demonstrated potential for excellence in research and teaching are required.

Preferred Qualifications:

Preference will be given to applicants with expertise in differential equations, a background in the teaching of college algebra, and a record of supporting STEM and undergraduate education for a diverse student body.

University and Department Description:

Northern Illinois University (NIU) is a research-focused (R2 Carnegie ranking) regional university. Our research active mathematics faculty have a 2+2 teaching load and have the opportunity to teach and advise graduate students in our M.S. and Ph.D. programs. We seek faculty who embrace NIU's mission of providing opportunity to a diverse student body by providing them with access to high quality education and hands-on involvement in research/artistry and community engagement.

Salary: Commensurate with experience, education, and qualifications; includes a robust benefits package.

Application Procedures:

Application materials include a current curriculum vitae, doctoral transcripts, three letters of reference, description of research program, a statement of teaching philosophy, and a diversity statement. One of the letters of reference should address the applicant's teaching.

For full consideration, applicants should submit application materials to <https://employment.niu.edu/postings/59785> by **December 1, 2021**. Applications received after **December 1, 2021** are welcomed, but will be considered as needed.

Pre-employment background check and verification of eligibility to work in the United States is required.

Equal Employment Opportunity Statement

Northern Illinois University (NIU) is committed to fostering a diverse and inclusive academic global community; as an AA/EEO employer, NIU considers qualified applicants for employment without regard to, and does not discriminate on the basis of, gender, race, color, national origin, sexual orientation, religion, protected veteran status, disability, or any other legally protected status.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor in Statistics Position Announced at California State Polytechnic University, Pomona

California State Polytechnic University, Pomona invites applications for a tenure track faculty position in Statistics.

Minimum Requirements:

- Completion of a Ph.D. in statistics or a related area by the time of the appointment.
- Experience teaching or communicating in technical settings.
- Potential to sustain a scholarly research program in statistics or data science.
- Ability to contribute to the diversity and inclusiveness of the academic community through research, teaching, and/or service work. This evidence must be communicated in the application process via a *Student Success Statement*, which explicitly addresses at least two of the *inclusive excellence criteria* listed above in this advertisement.

Conditions of Employment: The person offered this position is required to pass a background check.

Application Process:

For first consideration, submit the following materials by Monday, December 6. **All materials must be submitted to [MathJobs](#). In addition, submit the cover letter, curriculum vitae, and Student Success Statement to [Interfolio](#):**

- A **cover letter** in which you describe your background and interest in teaching, research, and service. In your cover letter, please address the duties and qualifications stated in our position description.
- A **curriculum vitae**, which should include the names, titles, addresses, phone numbers, and emails of at least three references we may contact who can speak to your potential for success in this position.
- A **Student Success Statement** (two pages maximum) specifically addressing your teaching, successes, challenges, or other experiences in working with a diverse population and how this experience will contribute to the broader mission of Cal Poly Pomona to be the model of an inclusive polytechnic university. Your Student Success Statement *must explicitly address at least two of the inclusive excellence criteria* listed above in our long form ad.
- A **Teaching Philosophy Statement**, including evidence of the effective application of your teaching philosophy in technical communication settings (classroom teaching, consulting, etc.).
- A **Research Statement**, explaining your past and current research efforts as well as future research plans.
- **Undergraduate and graduate transcripts**. Unofficial transcripts may be submitted for this application; official graduate and undergraduate transcripts will be required if you are selected as a finalist.
- A minimum of **three recent (within the previous two years) letters of reference** on your behalf should be submitted through AMS MathJobs. At least one of your reference letters should address your teaching potential.
- A Cal Poly Pomona application form will be required if you are selected as a finalist.
(See <https://www.cpp.edu/~faculty-affairs/documents/acadapplication.pdf>).

Your completed application packet will be available to be examined by all tenured and tenure-track faculty of the Cal Poly Pomona Department of Mathematics and Statistics. This position is open until filled. Those applications completed and received by **Monday December 13, 2021** will receive first consideration. Early response is encouraged.

Affirmative Action/Equal Opportunity Employer

California State Polytechnic University, Pomona is an Equal Opportunity, Affirmative Action Employer. The university seeks to recruit and retain a diverse workforce as a reflection of our commitment to serve the people of California, to maintain the excellence of the university, and to offer our students richly varied disciplines, perspectives, and ways of knowing. Cal Poly Pomona subscribes to all state and federal regulations and prohibits discrimination based on race, color, religion, national origin, sex, gender identity/gender expression, sexual orientation, marital status, pregnancy, age, disability, genetic information, medical condition, and covered veteran status. The university hires only individuals lawfully authorized to work in the United States. As required by the Clery Disclosure Act, the university prepares a public [annual security report](#).



MATH ALLIANCE MEMBER INSTITUTION

Two Tenure-Track Assistant Professor Positions Announced at Florida Atlantic University



The Department of Mathematical Sciences at Florida Atlantic University invites applications for two tenure-track, assistant professor positions in cryptology, starting in August 2022.

Preferences will be given to candidates with several broad areas of interest including, but not limited to, mathematical foundations of public-key cryptography, post-quantum, and algorithmic number theory. Responsibilities for this position will be teaching, scholarly research, and professional service. The successful candidates must possess a Ph.D. in Mathematics or a closely related field, and will be expected to apply for and secure external research funding.

Applicants must apply electronically to the currently posted position Assistant Professor, Mathematics on the Office of Human Resources' career website (<https://fau.edu/jobs>) by completing the required online employment application. When completing the online application, please upload all required documentation noted in the Special Instructions section of the posting.

For more information and to apply, visit www.fau.edu/jobs and go to Apply Now **REQ11778**. This position is open until filled and may close without prior notice. Priority consideration will be given to applications received by **January 10, 2022**.

Florida Atlantic University is an equal opportunity/affirmative action/equal access institution and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veterans' status or other protected status. Individuals with disabilities requiring accommodation, please call 561-297-3057. 711.



MATH ALLIANCE MEMBER INSTITUTION

Assistant Professor Position in Announced at the University of Delaware

The Department of Mathematical Sciences at the University of Delaware invites applications for a permanent, teaching-focused continuing track (non-tenured, rolling contract) faculty member at the rank of Assistant Professor.

Candidates must have:

- A Ph.D. in mathematics, mathematics education, or a closely related discipline. In the latter cases, the candidate must have a master's in mathematics.
- Experience as primary instructor of an undergraduate mathematics course.
- A strong commitment to developing excellence in teaching.
- A strong interest in teaching undergraduate college mathematics courses to a variety of audiences.

The successful candidate should have experience in one or more of the following:

- Teaching courses of 90+ students.
- Teaching calculus, linear algebra, or discrete mathematics.
- Supervising or training TAs.
- Working in a coordinated teaching environment (preferably as coordinator).

A full teaching load is twelve credits per semester; the successful candidate will also participate in training and supervising teaching assistants and coordinating multi-section courses, for which appropriate course release will be given. Though the main focus of the position is teaching, promotion through the professorial ranks requires research in mathematics, mathematics education, or the scholarship of teaching and learning. Scholarship is expected to represent one-eighth of the successful candidate's workload, with appropriate course release given. The expected start date is August 16, 2022.

To apply, use the [MathJobs](#) system to submit:

- an AMS cover sheet,
- a detailed cover letter outlining interest in the position and relevant skills and experience,
- a current CV,
- three letters of recommendation, and
- a statement of teaching philosophy (maximum of three pages) addressing the job qualifications described above.

Review of applications will begin on December 1, 2021 and will continue until the position is filled. Questions, but not application material, should be e-mailed to Dr. Kilikian (eirkili@udel.edu) with "CT Position" in the subject line.

The Department of Mathematical Sciences is committed to developing a diverse workforce and is interested in candidates who can teach or mentor a diverse student population. Information on the department may be obtained from the website: <http://www.mathsci.udel.edu/>.

The main campus of the University offers a traditional small-town college atmosphere in a location that affords easy access to major cultural and entertainment centers in nearby metropolitan areas. The University of Delaware main campus is located midway between New York City and Washington, D.C. (about a two-hour drive to either). It's also halfway between Philadelphia, PA, and Baltimore, MD (about a one-hour drive to each). The campus is close to the Northeast Amtrak line, minutes from the I-95 corridor, and midway between two major international airports (PHL and BWI).

The University of Delaware is an equal opportunity/affirmative action employer and Title IX institution. For the University's complete non-discrimination statement, please visit <http://www.udel.edu/aboutus/legalnotices.html>. A recipient of a NSF ADVANCE Institutional Transformation award, UD has a service to assist dual-career couples and supports work-life balance through family-friendly policies.



MATH ALLIANCE MEMBER INSTITUTION

Three-Year Lecturer Position in Mathematics Announced at the University of Virginia

The Department of Mathematics at the University of Virginia invites applications for a three-year Lecturer position on the academic general faculty, expected to begin August 25, 2022. The core responsibilities of this position include teaching six courses per year, three each during the spring and fall terms.

This is a three-year, tenure-ineligible appointment with the possibility of renewal, contingent upon available funding, satisfactory performance, and need for the position.

A Group 1 research department, the Department of Mathematics at the University of Virginia actively engages in research in a wide range of fields within algebra, analysis, topology, geometry, and the history of mathematics. The Institute of Mathematical Science further enhances the Department's research agenda through its sponsorship of numerous visiting scholars and speakers. Located on the University's Central Grounds, the Department and the Institute form part of what Thomas Jefferson called the "academical village," an interacting group of scholars in the humanities, the social sciences and the sciences. The University of Virginia is committed to teaching excellence and offers numerous opportunities for professional development. The University is an extremely vibrant and active intellectual community, located in Charlottesville, with easy access to the Blue Ridge Mountains, the state capital of Richmond, and Washington, D.C.

QUALIFICATION REQUIREMENTS: Applicants must hold a Ph.D. in Mathematics by the start of the appointment and have at least 2 years of teaching experience in Mathematics at the time of appointment, inclusive of teaching done as a graduate student. Preference will be given to applicants with demonstrated experience teaching calculus and linear algebra at the college level.

APPLICATION PROCEDURE: Apply online at https://uva.wd1.myworkdayjobs.com/en-US/UVAJobs/job/Charlottesville-VA/Lecturer-of-Mathematics--General-Faculty_R0031599 as well as www.Mathjobs.org. Please provide all the following information on both sites:

- 1) A cover letter describing your background in the teaching of mathematics.
- 2) An AMS Standard Cover Sheet.
- 3) A curriculum vitae with the contact information for three references.
- 4) A statement about teaching philosophy, and your past experience working on issues of diversity, equity, and inclusion and/or with diverse populations.

The applicant must also have three letters of recommendation submitted via the www.Mathjobs.org portal.

APPLICATION DEADLINE: Review of applications will begin on **February 18, 2022**; However, the position will remain open until filled.

The University will perform background checks on all new hires prior to making a final offer of employment. For information on the benefits available to members of the general faculty at UVA, visit hr.virginia.edu/benefits. For additional information about the position contact, please contact math-employment@virginia.edu. For questions about the application process, please contact Rich Haverstrom, Faculty Search Advisor, at rkh6j@virginia.edu.

UVA assists faculty spouses and partners seeking employment in the Charlottesville area. To learn more please visit <https://dualcareer.virginia.edu/>. For more information about UVA and the Charlottesville community please see <http://www.virginia.edu/life/charlottesville> and <https://embarkcva.com/>.

COVID Vaccination Requirement

Please [visit this page](#) prior to applying for current information regarding vaccination requirements for employment at UVA.

The University of Virginia, including the UVA Health System which represents the UVA Medical Center, Schools of Medicine and Nursing, UVA Physician's Group and the Claude Moore Health Sciences Library, are fundamentally committed to the diversity of our faculty and staff. We believe diversity is excellence expressing itself through every person's perspectives and lived experiences. We are equal opportunity and affirmative action employers. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender identity or expression, marital status, national or ethnic origin, political affiliation, race, religion, sex (including pregnancy), sexual orientation, veteran status, and family medical or genetic information.



MATH ALLIANCE MEMBER INSTITUTION

Tenure-Track Assistant Professor Position in Mathematics Announced at Georgia State University

The Department of Mathematics and Statistics at Georgia State University invites applications to fill a tenure-track Assistant Professor position in Applied or Computational Mathematics or Bioinformatics with a start date of August 2022.

Candidates in all areas of applied mathematics and bioinformatics are encouraged to apply. At time of appointment, applicants should have a PhD in Mathematics, Applied or Computational Mathematics, or closely related field. Preference will be given to candidates with postdoctoral experience. Candidates will be expected to demonstrate a commitment to excellence in research and teaching, as well as mentoring undergraduate and graduate students of diverse backgrounds, and have a strong desire to work in a cross-disciplinary, collaborative environment.

The Department offers B.S., M.S., and Ph.D. degrees in various areas of mathematics and statistics. Faculty members in the Department established nationally and internationally recognized research programs in both pure and applied mathematics and statistics, including applied algebra, dynamical systems, complex networks, machine learning, inverse problems, mathematical biology, computational mathematics, systems biology, modeling neural, cardiovascular, and multiorgan systems, physical and biomedical image analysis, as well as in collaboration with other GSU departments in epidemiology, pathogen genetics, immunology, and inflammation, and translational biomedical sciences. For more information please visit our website at <https://www.mathstat.gsu.edu/>.

GSU, the largest university in Georgia, is an enterprising urban research university located in downtown Atlanta and home to one of the most diverse student bodies in the country. It is a national leader in applying innovative measures to drive student success and research growth. Georgia State University is committed to diversifying its faculty and generating innovative research. We strongly encourage applications from members of underrepresented groups.

Applicants should submit: 1) a cover letter outlining qualifications and research interests, 2) a curriculum vitae with a publication list and (optional) a teaching and funding list, 3) a research statement, and 4) a teaching statement with evidence of teaching effectiveness. All materials should be submitted online at <http://www.mathjobs.org>. Applicants should also arrange for three letters of recommendation to be submitted online at <http://www.mathjobs.org>.

A formal review of applications will begin on November 15, 2021, and will continue until the position is filled.

An offer of employment will be conditional upon background verification. Georgia State University is an Equal Opportunity Employer and does not discriminate against applicants due to race, ethnicity, gender, veteran status, or on the basis of disability or any other federal, state, or local protected class.



MATH ALLIANCE MEMBER INSTITUTION

Multiple Teacher-Scholar Postdoctoral Fellow Positions Announced at Wake Forest University



WAKE FOREST
UNIVERSITY

The Department of Mathematics & Statistics at Wake Forest University invites applications for two or more Teacher-Scholar Postdoctoral Fellow positions available beginning July 2022. Applications are invited from all areas of Mathematics including Mathematics, Applied Mathematics, and Computational Mathematics. Holders of this position will teach two courses per semester.

The Department of Mathematics & Statistics at Wake Forest University takes seriously the charge to be a space which is truly welcoming to all, and we are actively engaged in work to remove barriers to success and create new systems of support for students and faculty. We especially encourage applications from those belonging to groups traditionally underrepresented in the sciences. For details, please see <http://www.math.wfu.edu>.

We seek highly qualified candidates who have a commitment to excellence in both teaching and research. Primary consideration will be given to candidates whose research interests overlap with existing faculty. A Ph.D. in Mathematics, Applied Mathematics or a related area is required. The department has thirty-nine members and offers both a B.A. and a B.S. in Mathematics, a B.A. and a B.S. in Mathematical Statistics, a B.S. in Applied Mathematics, a B.S. in Mathematical Economics, and a B.S. in Mathematical Business. The department has a graduate program offering an M.S. with a track in each of Mathematics and Mathematical Statistics.

Wake Forest University is a private, coeducational institution dedicated to academic excellence in liberal arts, graduate and professional education. Founded in 1834, the University is ranked among the top 30 national universities. With 5,400 undergraduates and 3,300 graduate and professional students, the student-faculty ratio is 11:1. Wake Forest is a collegiate university offering a vibrant intellectual community with a rich cultural life, an impressive array of facilities, and an active athletics community. The University has a deep institutional commitment to public service and engagement with the world, as indicated by the motto "Pro Humanitate." For quick facts about the University, go to <https://admissions.wfu.edu/facts/>.

A complete application will include a letter of application, a curriculum vitae, a teaching statement, graduate transcripts, and three letters of recommendation, at least one of which largely addresses teaching. Applications will be accepted until the position is filled, but to guarantee full consideration, applications should be complete by January 14th, 2022. Applicants should post materials electronically at <https://www.mathjobs.org/jobs/list/18628>.

Wake Forest University is an AA/EO employer and values an inclusive and diverse learning community and campus climate.

Data Scientist II/III Position Announced at Fred Hutchinson Cancer Research Center

Cures Start Here. At Fred Hutchinson Cancer Research Center, home to three Nobel laureates, interdisciplinary teams of world-renowned scientists seek new and innovative ways to prevent, diagnose and treat cancer, HIV/AIDS and other life-threatening diseases. Fred Hutch's pioneering work in bone marrow transplantation led to the development of immunotherapy, which harnesses the power of the immune system to treat cancer. An independent, nonprofit research institute based in Seattle, Fred Hutch houses the nation's first cancer prevention research program, as well as the clinical coordinating center of the Women's Health Initiative and the international headquarters of the HIV Vaccine Trials Network. **Careers Start Here.**

At Fred Hutch, we believe that the innovation, collaboration, and rigor that result from diversity and inclusion are critical to our mission of eliminating cancer and related diseases. We seek employees who bring different and innovative ways of seeing the world and solving problems. Fred Hutch is in pursuit of becoming an antiracist organization. We are committed to ensuring that all candidates hired share our commitment to diversity, antiracism, and inclusion.

The **Data Scientist II/III** provides collaborative and innovative analytic support for the Vaccine Immunology Statistical Center (VISC) and Vaccine Statistical Support (VSS) programs, leveraging novel statistical and machine learning techniques to analyze complex immunological assay data from clinical and pre-clinical studies. The Data Scientist will be responsible for designing and developing computational pipelines for data processing, implementation of exploratory and predictive statistical analyses, developing novel statistical and computational approaches, visualization of data, and communication and presentation of results.

Responsibilities

- Develop computational pipelines to preprocess and analyze large volumes of complex and high-dimensional immunological (e.g., single-cell and BCR sequencing) and virological datasets from laboratories collaborating with VISC and VSS.
- Develop and deploy modern statistical and machine learning algorithms, predictive models, and classification methods to advance vaccine and infectious disease research.
- Design and implement statistical analysis plan to gain insights into vaccine immunogenicity and efficacy, in collaboration with immunologists and vaccine researchers.
- Develop novel statistical and algorithmic approaches to enable novel analysis of complex data sets.
- Build open-source, reusable scripts.
- Communicate results from data analysis to technical and non-technical audiences.

Our Commitment to Diversity

We are proud to be an Equal Employment Opportunity (EEO) and Vietnam Era Veterans Readjustment Assistance Act (VEVRAA) Employer. We are committed to cultivating a workplace in which diverse perspectives and experiences are welcomed and respected. We do not discriminate on the basis of race, color, religion, creed, ancestry, national origin, sex, age, disability (physical or mental), marital or veteran status, genetic information, sexual orientation, gender identity, political ideology, or membership in any other legally protected class. We are an Affirmative Action employer. We encourage individuals with diverse backgrounds to apply and desire priority referrals of protected veterans. If due to a disability you need assistance/and or a reasonable accommodation during the application or recruiting process, please send a request to our Employee Services Center at hrops@fredhutch.org or by calling 206-667-4700.

[APPLY NOW](#)

Not ready to apply? [Connect with us](#) for general consideration.

For the complete job posting see their [website](#).

Staff Scientist, Biostatistics Position Announced at Fred Hutchinson Cancer Research Center

Cures Start Here. At Fred Hutchinson Cancer Research Center, home to three Nobel laureates, interdisciplinary teams of world-renowned scientists seek new and innovative ways to prevent, diagnose and treat cancer, HIV/AIDS and other life-threatening diseases. Fred Hutch's pioneering work in bone marrow transplantation led to the development of immunotherapy, which harnesses the power of the immune system to treat cancer. An independent, nonprofit research institute based in Seattle, Fred Hutch houses the nation's first cancer prevention research program, as well as the clinical coordinating center of the Women's Health Initiative and the international headquarters of the HIV Vaccine Trials Network. **Careers Start Here.**

At Fred Hutch, we believe that the innovation, collaboration, and rigor that result from diversity and inclusion are critical to our mission of eliminating cancer and related diseases. We seek employees who bring different and innovative ways of seeing the world and solving problems. Fred Hutch is in pursuit of becoming an antiracist organization. We are committed to ensuring that all candidates hired share our commitment to diversity, antiracism, and inclusion.

The Vaccine Immunology and Statistical Center (VISC) partners with world-class research programs to tackle global public health initiatives in infectious disease. The VISC delivers statistical support across a breadth of applications including early phase clinical trials, surrogate/correlates analyses, single cell data, immunoassay development, pharmacokinetics/pharmacodynamics, passive immunization studies, and pre-clinical research. In addition to providing support through study design and analysis, the VISC is also dedicated to developing statistical methods and computational tools for biomedical applications. The center operates within two global research networks: the [Collaboration for AIDS Vaccine Discovery](#) (CAVD) and the [Global Health Vaccine Accelerator Platforms](#) (GH-VAP). The VISC has additional dedication to open science exemplified by their [DataSpace web application](#).

The VISC is seeking a PhD-level **Staff Scientist in biostatistics**, computational biology or related fields to contribute to the networks' research agenda through both independent and collaborative research. The ideal candidate will excel at project leadership in a team environment, collaborating with laboratory-based scientists, clinical investigators, biostatisticians, data scientists, and programmers in the following ways:

- As a consultant, providing project-level statistical support and management.
- As a statistical researcher, developing novel methodologies for analyzing data from clinical and pre-clinical studies.

Responsibilities

- Contributing to science through independent and collaborative research including co-authoring papers, technical reports, and protocols
- Serving as lead statistician on preclinical and clinical studies, with responsibilities ranging from designing studies, developing statistical analysis plans, participating in data analysis and preparing statistical reports
- Managing and setting scientific priorities across projects
- Communicating results to partners and presenting research at conferences and consortium meetings
- Leading efforts to extend and develop novel statistical methodologies
- Mentoring junior statisticians

Our Commitment to Diversity

We are proud to be an Equal Employment Opportunity (EEO) and Vietnam Era Veterans Readjustment Assistance Act (VEVRAA) Employer. We are committed to cultivating a workplace in which diverse perspectives and experiences are welcomed and respected. We do not discriminate on the basis of race, color, religion, creed, ancestry, national origin, sex, age, disability (physical or mental), marital or veteran status, genetic information, sexual orientation, gender identity, political ideology, or membership in any other legally protected class. We are an Affirmative Action employer. We encourage individuals with diverse backgrounds to apply and desire priority referrals of protected veterans. If due to a disability you need assistance/and or a reasonable accommodation during the application or recruiting process, please send a request to our Employee Services Center at hrops@fredhutch.org or by calling 206-667-4700.

[APPLY NOW](#)

For the complete job posting see their [website](#).

Not ready to apply? [Connect with us](#) for general consideration.

Postdoctoral Scholar Positions in Math at Oregon State University



Oregon State
University

The Mathematics Department at Oregon State University invites applications for two full-time 12-month Postdoctoral Scholar positions beginning September 16, 2022. The area of research for one position is Numerical Analysis and the other is for Algebra/Number Theory. Applicants should have a PhD in Mathematics or a related field by the anticipated starting date and received no earlier than September 2017. Priority will be given to candidates that complete their application by **February 4, 2022**.

The positions carry a teaching load of four quarter courses per academic year (fall, winter, spring) with the possibility of a one-course reduction depending on the instructional needs of the department. These are mentored positions, with mentoring directed towards research, teaching and engagement with diversity. Salary and benefit packages are detailed at <https://gradschool.oregonstate.edu/postdocs/stipends-and-benefits>.

OSU is an Affirmative Action/Equal Opportunity employer with an institution-wide commitment to diversity, multiculturalism, and a diverse workforce and student body that is welcoming to members of historically underrepresented groups. We actively engage in recruiting and retaining a diverse workforce and student body that includes members of historically underrepresented groups. All faculty members are responsible for helping to maintain and enhance OSU's collaborative and inclusive community that strives for equity and equal opportunity.

Instructions to the applicants:

Submit the following items [online](#):

- 1) Cover Letter (limit 1 page): Summarize your qualifications and interest in the position. Identify in this letter faculty of the Department with which you would like to develop research projects.
- 2) AMS Cover Sheet (it is automatically completed when submitting through [MathJobs](#)).
- 3) Curriculum Vitae: Please list your education, relevant appointments, research publications, teaching experience, funding, and other activities relevant to the position.
- 4) Statement of Research (5 pages limit): Describe your research interests and main results; discuss these results in the context of larger problems in the areas of Numerical Analysis or Algebra/Number Theory as appropriate. Include in this statement research connections, potential or concrete, with research by faculty in the Department of Mathematics at OSU.
- 5) Statement of Teaching: (3 page limit): Describe your teaching philosophy and approaches and how these relate to your own teaching experience; discuss possible ideas of contributing to OSU's teaching mission at undergraduate and graduate levels.
- 6) Diversity Statement: (3 page limit): Describe your experience developing strategies for educational and professional advancement of students, faculty, or staff in underrepresented groups; list your efforts to advance equitable access and diversity in education or research, e.g. through participation in activities such as recruitment, retention, mentoring, or advising of underrepresented students, faculty or staff; discuss ideas about possible ways of contribution to diversity efforts if employed at OSU (see [the College of Science Diversity Action Plan](#)).
- 7) Statement on Commitment to Evidence-Based Free Inquiry and Tolerance to Diverse Ideas (1 page limit): OSU College of Science is committed to the principles of free inquiry based on evidence and criticism and of tolerance for diverse ideas within the academy, including those different from one's own. (See pp. 79-83 for [OSU's views on these topics](#).) As such, all applicants to academic positions in the College are required to submit a statement affirming their agreement with and commitment to the principles of: 1) open-mindedness for diverse ideas including those different from one's own and 2) free inquiry based on evidence and criticism. In your statement, discuss, in a paragraph for each, why these principles are important.
- 8) Three reference letters (to be submitted online by the reference writers at this site). At least one letter should directly address your teaching abilities.
- 9) Electronic access to up to three publications which are most representative of your research.

Research Project Manager III Position Announced at Fred Hutchinson Cancer Research Center

Cures Start Here. At Fred Hutchinson Cancer Research Center, home to three Nobel laureates, interdisciplinary teams of world-renowned scientists seek new and innovative ways to prevent, diagnose and treat cancer, HIV/AIDS and other life-threatening diseases. Fred Hutch's pioneering work in bone marrow transplantation led to the development of immunotherapy, which harnesses the power of the immune system to treat cancer. An independent, nonprofit research institute based in Seattle, Fred Hutch houses the nation's first cancer prevention research program, as well as the clinical coordinating center of the Women's Health Initiative and the international headquarters of the HIV Vaccine Trials Network. **Careers Start Here.**

At Fred Hutch, we believe that the innovation, collaboration, and rigor that result from diversity and inclusion are critical to our mission of eliminating cancer and related diseases. We seek employees who bring different and innovative ways of seeing the world and solving problems. Fred Hutch is in pursuit of becoming an antiracist organization. We are committed to ensuring that all candidates hired share our commitment to diversity, antiracism, and inclusion.

The Vaccine Immunology Statistical Center (VISC) in the The Vaccines and Infectious Disease Division (VIDD) of Fred Hutch is looking for a **Research Project Manager III**.

With direction and input from the VISC Associate Director and in collaboration with other project managers, the VISC Research Project Manager III (also referred to as the 'Project Manager') will develop a roadmap to bring each project to completion. The Project Manager will oversee a diverse portfolio of projects that include pre-clinical and clinical trials. The Project Manager will coordinate activities among staff including faculty, statisticians, programmers, lab data managers, and data coordinators. The Project Manager will also maintain collaborative relationships with other internal as well as external stakeholders.

Responsibilities

The VISC Project Manager will coordinate with the Associate Director, faculty statisticians, Data Analytics Unit Manager, and external partners to define project requirements, including project scope of work, staffing requirements, milestones, timelines, and deliverables. The Project Manager will coordinate and track project team activities and milestones and will ensure VISC team members and stakeholders are informed of project status and issues. The Project Manager is expected to establish and maintain strong, positive, and productive relationships among BBE faculty, SCHARP staff, external partners, and stakeholders. Occasional domestic and/or international travel required.

- Work with teams composed of researchers, statisticians, and other project managers to define project requirements, scope of work, staffing requirements, organization, and approach.
- Develop project milestones and timelines.
- Track project milestones and deliverables.
- Ensure team and stakeholders are informed of project status and issues.
- Liaise with internal and external stakeholders on an ongoing basis.
- Intake and prioritize incoming requests.
- Organize and facilitate regular status meetings with project team, preparing and distributing minutes, agendas, and other materials as needed.
- Contribute to preparation of progress report, proposals, and presentations.
- Actively participate in planning annual Scientific Advisory Board meeting.
- Aid in budget monitoring.

Our Commitment to Diversity

We are proud to be an Equal Employment Opportunity (EEO) and Vietnam Era Veterans Readjustment Assistance Act (VEVRAA) Employer. We are committed to cultivating a workplace in which diverse perspectives and experiences are welcomed and respected. We do not discriminate on the basis of race, color, religion, creed, ancestry, national origin, sex, age, disability (physical or mental), marital or veteran status, genetic information, sexual orientation, gender identity, political ideology, or membership in any other legally protected class. We are an Affirmative Action employer. We encourage individuals with diverse backgrounds to apply and desire priority referrals of protected veterans. If due to a disability you need assistance/and or a reasonable accommodation during the application or recruiting process, please send a request to our Employee Services Center at hrops@fredhutch.org or by calling 206-667-4700.

[APPLY NOW](#)

Not ready to apply? [Connect with us](#) for general consideration.
For the complete job posting see their [website](#).