

THE MATH ALLIANCE



DR. DAVID GOLDBERG
Director

As we move past Thanksgiving and towards the end of the year, holiday season, and the beginning of the new year, there are several things we want to recognize but also things to look forward to. First and foremost, the Field of Dreams Conference was held early this month in Atlanta. With the help of our friends at Georgia State University, everything came off very well. I have received several comments from members of the community about how energetic the conference atmosphere was and how great it was to see so many students interested in pursuing quantitative science careers. There were also several comments about how well thought out the program was, and credit for that goes to our Agenda Committee – Kellie Archer, Syvillia Avarett, Angela Hicks, Phil Kutzko, and Felix Pabon-Rodriguez. While all the numbers are not in, this is undoubtedly the largest in-person Field of Dreams Conference ever, and the representation we saw there shows Atlanta is a great place to host the event. We were also treated to great plenary talks by Jacqueline Hughes-Oliver, Shanise Walker, and Johnny Houston, and Dr. Walker became the first Math Alliance Scholar to deliver a plenary address at the Field of Dreams Conference. We are looking forward to next year's conference, and we'll be making some announcements about that soon.

Looking forward, the Joint Math Meetings are coming up soon. The Math Alliance is hosting a special session [on Research Presentations by Math Alliance Scholar Doctorates](#). There will be four sessions – two each on Wednesday January 3 and Thursday January 4. There is also a panel discussion on regional alliances January 5, 8:30 AM-10:00 AM. Theresa Martines, our Associate Director for Regional Alliances, has been the one organizing all these sessions, and there is a schedule of these [events](#) posted as a google document for your reference. I hope many of you in attending JMM will be able to join us for at least some portion of the research talks and the panel. Looking through the program there are many, many sessions of interest to the Math Alliance Community, and I have made a somewhat crude [google document](#) giving many of these (even those conflicting with our own sessions). I am sure I have overlooked some, as the program is so big.

There are even more sessions that feature Math Alliance community members, too many to try to list them all. However, I want to point out that two Math Alliance Scholars will be giving named addresses this year. Kamuela Yong of U. Hawaii West Oahu will be giving the MAA-SIAM-AMS Hrabowski-Gates-Tapia-McBay Lecture on Friday, January 5, 9-10 AM in Room 207 of the Moscone Center. Also, Ranthony Edmonds of Ohio State U. will be giving the NAM Cox-Talbot Address at the NAM Banquet, Friday January 5, 7:45-8:45 PM in Golden Gate A of the Marriott Marquis. This is, I believe, the first time any Math Alliance Scholars have given named addresses at JMM. I hope many of you will be able to attend these sessions, supporting these Math Alliance Scholars. This is really something for us all to celebrate.

What's Happening Next?

- **Joint Mathematics Meetings (JMM 2024)** San Francisco, CA
Jan. 3-6, 2024
- **MAA MathFest 2023** Indianapolis, IN Aug. 7-10 2024
- **2024 Joint Statistical Meetings (JSM 2024)** Portland, OR
Aug. 3-8, 2024

PCMI 2024

Consider applying to PCMI 2024 <https://www.ias.edu/pcmi>, a three-week summer program for undergraduate students, graduate students, undergraduate faculty, researchers, that has been in operation for over 30 years as an extension of Princeton's Institute for Advanced Study. Director is Rafe Mazzeo from Stanford University. There are typically about 300 participants and always a lot of interaction between the various groups. Talks are spread out through the day to enable members of each subprogram to attend at least some of the talks of interest to them in other subprograms. There are also daily cross-program activities that bring many groups together. Much mathematics is communicated at many levels. Weekends and Wednesday afternoons are free, possibly for exploring the beautiful surroundings. Next year's theme is Motivic Homotopy, and the organizers are Benjamin Antieau (Northwestern University), Marc Levine (University of Duisburg-Essen), Oliver Röndigs (University of Osnabrück), Alexander Vishik (Nottingham University), and Kirsten Wickelgren (Duke University).

In addition to the Research Program, I would like to draw your attention to the [Undergraduate Summer School](#) (just-graduated undergraduates are eligible), [Graduate Summer School](#), the [Undergraduate Faculty Program](#) (for faculty not necessarily working in the specialty), and a two-week [Workshop on Rehumanizing Mathematics](#).

Check out these programs and apply!

Mentoring Opportunities



Attention to those interested in mentoring students in undergraduate research in mathematics! Mini-grant applications are being accepted from now until December 15, 2023.

More information is on the [CURM website](#), the Center for Undergraduate Research in Mathematics.

REU

STAT-DATASCI ♦ Summer 2024 Research Experiences for Undergraduates Rice University ♦ Statistics Department

Application Deadline: March 1, 2024

Priority Deadline: February 1, 2024

PROGRAM DATES

May 28, 2024 - Aug. 2, 2024
Rice University, Houston, TX

PROJECT AREAS

Research areas include:

- Bayesian Statistics
- Biosciences, Statistical Genetics, & Bioinformatics
- Computational Finance
- Data Science & Visualization
- General Statistics
- Machine Learning
- Probability / Applied Probability
- Stochastic Processes

STIPEND & BENEFITS

Participants will receive:

- A \$7,000 stipend
- On-campus housing accommodations
- Rice gym membership
- Up to \$1,000 moving/travel expenses to/from Houston

HOW TO APPLY



Application Link:
reuapply.rice.edu

To learn more please visit:

<https://statistics.rice.edu/academics/undergraduate/research-experiences-undergraduates>.

Research projects in the Solving Complex Problems using Statistics & Data Science (STAT-DATASCI) REU are designed to involve students in meaningful ways in ongoing research programs.

Our goal is that students participating in the REU program will make significant contributions to ongoing faculty research, as well as gain an appreciation for and an interest in graduate school and a future career in data science or statistics. **The 2024 program will run based on available funding.**

Program components include:

- Full-time research under the guidance of a faculty mentor
- Professional development seminars and technical workshops
- Weekly peer meetings
- Community-building events
- A written report and formal presentation

ELIGIBILITY

Rice is committed to recruiting, supporting, and engaging a diverse group of undergraduate students from across the nation.

To participate in the program, students should:

- Be a US citizen, US national, or US permanent resident
- Have completed at least their first year of college by the time the REU starts
- Plan to graduate no earlier than December 2024
- Be 18 years of age or older
- Have completed at least one course in statistics
- Have a background in differential and integral calculus
- Ideally, have a background in computer programming (e.g., experience with R, Python, or Matlab)
- Be prepared to participate in person fully for the complete duration of the program period

Questions?

Contact Dr. Elizabeth McGuffey, Statistics REU Director
Email: elizabeth.mcguffey@rice.edu



RICE

MSRI / Simons Laufer Mathematical Sciences Institute (SLMath) Berkeley, CA

Spring 2024 Scientific Workshops at SLMath

The Simons Laufer Mathematical Sciences Institute (SLMath, formerly known as MSRI) in Berkeley, California welcomes registrations for our Spring 2024 workshops, listed below. SLMath workshops are free of charge to attend, thanks to the generous support of our funders, including the National Science Foundation. (View www.msri.org/workshops for details, as some workshop dates or information may be subject to change. An updated schedule of all talks, including online broadcasts, will be posted in advance of each event.)

* denotes lead organizer(s).

Commutative Algebra

[Connections Workshop](#): January 18-19, 2024

Organizers: Christine Berkesch (University of Minnesota, Twin Cities), Louiza Fouli (New Mexico State University), Maria Evelina Rossi (Università di Genova), Alexandra Seceleanu* (University of Nebraska)

[Introductory Workshop](#): January 22-26, 2024

Organizers: Srikanth Iyengar (University of Utah), Claudia Miller (Syracuse University), Claudia Polini (University of Notre Dame), Anurag Singh* (University of Utah)

[Recent Developments in Commutative Algebra](#): April 15-19, 2024

Organizers: Daniel Erman (University of Wisconsin-Madison), Linquan Ma (Purdue University), Karl Schwede* (University of Utah), Karen Smith (University), Andrew Snowden (University), Irena Swanson (Purdue University)

Noncommutative Algebraic Geometry

[Connections Workshop](#): February 1-2, 2024

Organizers: Rina Anno (Kansas State University), Elizabeth Gasparim (Universidad Católica del Norte), Alice Rizzardo* (University of Liverpool)

[Introductory Workshop](#): February 5-9, 2024

Organizers: Nicolas Addington* (University of Oregon), David Favero, Wendy Lowen (Universiteit Antwerp), Alice Rizzardo (University of Liverpool)

[Recent Developments in Noncommutative Algebraic Geometry](#): April 8-12, 2024

Organizers: Arend Bayer (University of Edinburgh), Graham Leuschke (Syracuse University), Alexander Polishchuk (University of Oregon), Susan Sierra (University of Edinburgh), Spela Spenko (Université Libre de Bruxelles), Gregory Stevenson (Aarhus University)

Other Workshops

[Hot Topics: Artin Groups and Arrangements - Topology, Geometry, and Combinatorics](#): March 11-15, 2024

Organizers: Christin Bibby (Louisiana State University), Ruth Charney (Brandeis University), Giovanni Paolini (California Institute of Technology), Mario Salvetti (Università di Pisa)

[Advances in Lie Theory, Representation Theory and Combinatorics: Inspired by the work of Georgia M. Benkart](#): May 1-3, 2024

Organizers: Hélène Barcelo (MSRI / SLMath), Ellen Kirkman (Wake Forest University), Gail Letzter, Daniel Nakano (University of Georgia), Arun Ram (University of Melbourne)

Register Online: msri.org/workshops

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 18 (limited to US Citizens and Permanent Residents, and foreign visitors with a visa status that allows for compensation, such as a J1). See website for full details.

MSRI, now SLMath, has been supported from its origins by the National Science Foundation, joined by the National Security Agency, over 100 Academic Sponsor Institutions, a range of private foundations, and generous and farsighted individuals.



Applications Open for
**AMS CONGRESSIONAL
FELLOWSHIP 2024–
2025**

Apply your mathematics knowledge toward solutions to societal problems.

The American Mathematical Society will sponsor a Congressional Fellow from September 2024 through August 2025.

The Fellow will spend the year working on the staff of either a member of Congress or a congressional committee, working in legislative and policy areas requiring scientific and technical input.

The Fellow brings his/her/their technical background and external perspective to the decision-making process in Congress. Prospective Fellows must be cognizant of and demonstrate sensitivity toward political and social issues and have a strong interest in applying personal knowledge toward solutions to societal problems. Fellow 2022–2023

Now in its 19th year, the AMS Congressional Fellowship provides a unique public policy learning experience, and demonstrates the value of science–government interaction. The program includes an orientation on congressional and executive branch operations, and a year-long seminar series on issues involving science, technology, and public policy.


Applicants must have a PhD or an equivalent doctoral-level degree in the mathematical sciences by the application deadline (February 1, 2024). Applicants must be US citizens. Federal employees are not eligible.

The Fellowship stipend is US\$100,479 for the Fellowship period, with additional allowances for relocation and professional travel, as well as a contribution toward health insurance.

Applicants must submit a statement expressing interest and qualifications for the AMS Congressional Fellowship as well as a current curriculum vitae. Candidates should have three letters of recommendation sent to the AMS by the February 1, 2024 deadline.

For more information and to apply, please go to www.ams.org/ams-congressional-fellowship.

Deadline for receipt of applications: **February 1, 2024**



Every day on the Hill is new and exciting! Whether I am writing press releases, synthesizing complicated ideas into one-pagers, or meeting influential individuals, I learn something new every day. “



Partner
Institution

POSITION 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 Mathematical and Statistical Foundations of Big Data with a start date of August 2024. Candidates in all areas of mathematics and statistics related to big data analysis and processing are encouraged to apply.

Essential Qualifications:

- Ph.D. in Mathematics, Statistics, Data Science, or a closely related field;
- Ability to teach core undergraduate and graduate mathematics and/or statistics courses;
- Experience in research and teaching in the field of mathematical and statistical foundations of big data.

Preferred Qualifications:

- Strong desire to work in a cross-disciplinary, collaborative environment;
- An experience in supervising undergraduate and graduate students.

The Department offers BS in Mathematics, MS in Mathematics with no concentration or concentrations in Bioinformatics, Biostatistics, Discrete Mathematics, Scientific Computing, Statistics, Applied Mathematics, as well as Statistics and Allied Fields, and Ph.D. in Mathematics and Statistics with concentrations in Mathematics, Applied Mathematics, Bioinformatics, and Biostatistics. Faculty members in the department have established nationally and internationally recognized research programs in both mathematics and statistics, including applied statistics, biostatistics, data science, dynamical systems, complex networks, machine learning, inverse problems, mathematical biology, optimization, computational mathematics, systems biology, modeling neural, cardiovascular, and multi-organ systems, physical and biomedical image analysis. Additionally, the Department collaborates with other GSU departments in epidemiology, pathogen genetics, immunology, 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 R1 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, as well as generating innovative research.

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, including current and future research agenda, and 4) a teaching statement with evidence of aptitude or ability to teach at the undergraduate and graduate levels. 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, 2023**, 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.



Partner
Institution

POSITION AT UNIVERSITY OF WASHINGTON

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, as well as a leading center of excellence in statistical training. 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. This is a full time (100% FTE), 12-month service period position with an anticipated start date of Fall 2024. The base salary range for this position will be \$9,583 - \$12,500 per month, commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination.

The successful candidates will:

- i. teach 4 – 6 Biostatistics courses per year (quarter system) including undergraduate courses, courses for graduate students in public health, and courses for graduate students in Biostatistics.
- ii. provide educational leadership in the Department's teaching program with emphasis on innovative pedagogy;
- iii. share the department's commitment to diversity, equity and inclusion;
- iv. contribute to the departmental community by engaging in seminars and departmental outreach activities and serving on key committees.

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

APPLICATION INSTRUCTIONS. All applicants are asked to submit:

1. a cover letter;
2. an up-to-date curriculum vitae, including research and teaching history;
3. a statement describing your teaching values, and practices. You might consider discussing your perspective on one or more of the following topics: different teaching modalities, engaging students from varied disciplines and mathematical backgrounds, teaching at scale, or others;
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 Interfolio. Review of applications will begin on **December 15, 2023**. Applicants who submit all required documents by December 15, 2023 are guaranteed full consideration. Applications received after December 15, 2023 will be reviewed on a weekly basis at the discretion of the search committee until the position is filled or the search is closed.

Application Link: <https://apply.interfolio.com/135804>

EVALUATION CRITERIA. All candidates will be evaluated according to three criteria: (i) evidence of teaching and mentoring skills, (ii) evidence of academic rigor and vision, and (iii) potential for and commitment to service, departmental citizenship, and community engagement. The evaluation for each criterion will include consideration of the following cross-cutting domains: (i) evidence of interdisciplinary collaborations, (ii) communication, (iii) innovation and leadership, and (iv) contributions to equity, diversity, and inclusion.

CONTACT INFORMATION. For questions, please contact our AHR Manager, bacadhr@uw.edu.

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.
mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.



Partner
Institution

POSITION AT UNIVERSITY OF WASHINGTON

Postdoctoral Scholar - University of Washington, Department of Mathematics

Applications are invited for one or more non-tenure-track postdoctoral positions. The initial appointment is for a period of twelve months, full-time, with the possibility of renewal for a total period of up to three years, to begin in September 2024. Successful candidates will have strong active research programs and be prepared to teach both undergraduate and graduate courses.

The base salary range for this position is \$5705-\$6167 per month, commensurate with experience and qualifications, or as mandated by a U.S. Department of Labor prevailing wage determination. Postdoctoral scholars are represented by UAW 4121 and are subject to the collective bargaining agreement, unless agreed exclusion criteria apply. For more information, please visit the University of Washington [Labor Relations website](#).

Located in one of the most dynamic and beautiful areas in the United States, the University of Washington is a premier research university, frequently cited as one of the best in the world. The Department of Mathematics is one of the top mathematics departments among public universities in the United States. The university and its surroundings abound with opportunities to do interdisciplinary research, engage in community-focused research, education, and service, and collaborate with private and governmental organizations. The Seattle metropolitan area provides abundant culinary, cultural, recreational, and educational resources and experiences.

The Department of Mathematics at the University of Washington is committed to fostering a diverse and inclusive academic community: visit <https://math.washington.edu/diversity-commitment>. We encourage applications from individuals whose backgrounds or interests align with this commitment.

Qualifications

Applicants are required to have a PhD, or foreign equivalent, by the starting date.

Application Instructions

Applications must include the [American Mathematical Society's Cover Sheet for Academic Employment](#), a curriculum vitae, statements of research, diversity, and teaching interests, and at least three letters of recommendation. Priority will be given to applicants whose complete applications, including recommendations, are received by **December 1, 2023**.

Apply at <http://apply.interfolio.com/131603>.



Partner
Institution

POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for Postdoctoral Research Scholar positions. Anticipated start date is August 16, 2024. These full-time academic year, benefits-eligible positions are renewable on an annual basis through spring 2027 contingent upon satisfactory performance, availability of resources, and the needs of the university. **Applicants must be within five years of receipt of their PhD to be considered for initial appointments and subsequent renewals.**

The essential duties of the position will be to conduct research in the mathematical sciences, along with a teaching load that is normally three courses per year.

Minimum Qualifications:

- A Ph.D. in the mathematical or statistical sciences, or a closely related area by the time of appointment.
- Demonstrated potential for excellence in research and teaching, relative to career level.
- Demonstrated commitment to working with faculty, staff, students and communities to advance the principles of the ASU Charter.

Desired Qualifications:

- A documented research record in an area that meshes with the research interests of a current faculty member or group of faculty members. SoMSS has strong research groups in analysis, combinatorics, computational mathematics, differential equations, dynamical systems, geometry, graph theory, mathematical biology, mathematics education, number theory, probability, and statistics.

About the School of Mathematical & Statistical Sciences

SoMSS currently has 55 full-time tenured or tenure-track faculty members and approximately 80 supported Ph.D. students, along with an additional 48 Ph.D. students and 48 Master's students. The School offers Bachelor's, Master's, and Ph.D. programs in Applied Mathematics, Theoretical Mathematics, Mathematics Education, and Statistics, as well as undergraduate and Master's programs in Actuarial Science. In addition, the School offers an interdisciplinary Bachelor's degree program in Data Science, and participates in a cross-college Ph.D. program in Data Science.

The School has a strong interdisciplinary research profile that includes numerous opportunities for collaboration on the campus with, for example, the Fulton Schools of Engineering, the School of Earth and Space Exploration, the School of Geographical Sciences and Urban Planning, and with interdisciplinary centers and institutes, such as the Institute for Social Science Research, the College of Health Solutions, the Global Institute of Sustainability, as well as off-campus with the thriving medical and technical industries in the Phoenix region. The escalating interest in data science research throughout ASU will offer further opportunities for interdisciplinary collaboration.

Women and members of other underrepresented groups are encouraged to apply. ASU provides eligible employees with parental and family leave and resources for working parents (<https://math.asu.edu/family-resources>).

Application Instructions:

To apply, submit the following through Interfolio, <https://apply.interfolio.com/135657>:

1. A cover letter that briefly explains the candidate's interest in the position and addresses the candidate's commitment to the ASU Charter
2. A curriculum vitae
3. A personal statement addressing the candidate's research program
4. A statement of teaching experience and philosophy
5. Four letters of recommendation; one of these letters should address the candidate's teaching qualifications

The application deadline is **5:00 pm Arizona time on December 8, 2023**; only applications that are complete by the deadline will be given full consideration. Applications will continue to be accepted on a rolling basis for a reserve pool after the deadline. 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 is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, sexual orientation, gender identity, religion, national origin, disability, protected veteran status, or any other basis protected by law. ASU's full nondiscrimination statement (ACD 401) is located on the ASU website at <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.



Partner
Institution

POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University (ASU) invites applications for up to two postdoctoral scholar positions in an area of data science.

The School of Mathematical and Statistical Sciences, part of The College of Liberal Arts and Sciences, invites applications for up to two Presidential Postdoctoral Fellow positions, with an anticipated start in the 2024-2025 academic year. Fellows will conduct research in an area of data science, with expertise in computational mathematics, optimization, or statistics, with a faculty mentor in the School of Mathematical and Statistical Sciences. The Fellows' activities will include production of relevant scholarly products, contributions to grant proposals, participation in the School's seminars, teaching up to two courses per year, and mentoring of students. Fellows will bring life experiences and expertise that promote diverse representation in the mathematical sciences. With grants from the National Science Foundation, National Institutes of Health, Department of Defense, National Security Agency and more, our mathematics and statistical sciences faculty are leading game-changing research, training, and education projects. In particular, the computational and statistics faculty at ASU have broad interdisciplinary data science interests in machine learning, artificial intelligence, and interpretation of large-scale data sets.

The postdoctoral scholars selected will join a cohort of 10-15 other postdoctoral scholars at ASU as part of the Presidential Postdoctoral Fellowship Program. The goal of the program is to support the career development of outstanding Ph.D. recipients with great potential for advancing the ASU Charter into a future tenure track appointment at ASU.

Qualifications and Characteristics

Minimum qualifications:

- PhD in mathematics, applied mathematics, statistics or a closely related area by August 10, 2024.
- Demonstrated potential for excellence in research and teaching.

Desired qualifications:

- A documented research record in an area that meshes with the research interests of current SoMSS' faculty members with interdisciplinary interests in data science, machine learning, optimization, artificial intelligence, and interpretation of large-scale data sets.
- Demonstrated potential for establishing interdisciplinary collaborations.
- Evidence of activities consistent with the ASU Charter and Design Aspirations.

This position is located at Arizona State University at the Tempe campus. All postdoctoral fellowship positions are for one year. Options for an additional one or two years of funding or a transition to a tenure track position may be offered, depending on each fellow's progress and training needs. Applicants must be within five years of receipt of their PhD to be considered for initial appointments. Faculty tenure track appointments will require a process of review within the designated tenure home unit.

Applications and Inquiries

Applications can be submitted online via Interfolio: <http://apply.interfolio.com/133762>. Application materials should include:

1. A letter of interest describing how you meet the qualifications noted above.
2. A curriculum vitae.
3. A personal statement addressing the candidate's research program.
4. A statement of teaching experience and philosophy. Contact information for 3 references, including email addresses.

Application deadline is 4:00 pm AZ Time, Tuesday, November 7, 2023. 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. Inquiries can be directed to Tammy Palmer Tammy.Palmer@asu.edu. A background check is required for employment.

ASU is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. For more information on ASU's policies, please see:

<https://www.asu.edu/aad/manuals/acd/acd401.html> and its complete non-discrimination statement at: <https://www.asu.edu/titleIX/>.

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456



Partner
Institution

POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for a full-time, benefits-eligible, tenure-eligible position in Applied and Computational Mathematics at the rank of Assistant or Associate Professor. Anticipated start date is August 16, 2024. The Applied and Computational Mathematics program consists approximately of 20 faculty members, and it has close ties with our Theoretical Mathematics and Statistics groups.

The essential duties of the position will be to conduct research on areas of applied mathematics, mathematical biology, computational mathematics, and/or data science, publish in appropriate high-quality journals, disseminate research at conferences and colloquia, provide quality teaching and mentoring in our undergraduate and graduate programs, and participate in appropriate professional service.

Required Qualifications:

- A Ph.D. in mathematics, applied mathematics, or a closely related area by the time of appointment.
- Demonstrated potential for excellence in research and teaching, relative to career level.
- Demonstrated commitment to working with faculty, staff, students and communities to advance the [ASU Charter](#).

Desired Qualifications:

- Documented record of published research in areas of applied mathematics, mathematical biology, computational mathematics, and/or data science.
- Established record or strong potential for grant support, relative to career level.
- Demonstrated experience and/or interest in teaching and mentoring.
- Demonstrated potential for establishing interdisciplinary collaborations.

Women and members of other underrepresented groups are encouraged to apply. ASU provides eligible employees with parental and family leave and resources for working parents (<https://math.asu.edu/family-resources>).

To Apply:

Submit the following to the ASU Interfolio website, <http://apply.interfolio.com/131096>

- 1.A cover letter that briefly explains the candidate's interest in the position and addresses the candidate's commitment to ASU's Charter.
- 2.A curriculum vitae.
- 3.A personal statement addressing the candidate's research program.
- 4.A statement of teaching experience and philosophy.
- 5.At least four letters of recommendation; one of these letters should address the candidate's teaching qualifications.

The application deadline is 4:00 pm Arizona time on **October 26, 2023**; only applications that are complete by the deadline will be considered. If the position is not filled, remaining applications will be considered every two weeks thereafter until the search is closed. A background check is required for employment.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law. <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.



Partner
Institution

POSITION AT ARIZONA STATE UNIVERSITY

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for a full-time, benefits-eligible, tenure-eligible position in Theoretical Mathematics at the rank of Assistant or Associate Professor. Anticipated start date is August 16, 2024. The Theoretical Mathematics program consists approximately of 20 faculty members and has close ties with our Applied Mathematics group.

The essential duties of the position will be to conduct research on areas of theoretical mathematics, publish in appropriate high-quality journals, disseminate research at conferences and colloquia, provide quality teaching and mentoring in our undergraduate and graduate programs, and participate in appropriate professional service.

Required Qualifications:

- A Ph.D. in mathematics, applied mathematics, or a closely related area by the time of appointment.
- Demonstrated potential for excellence in research and teaching, relative to career level.
- Demonstrated commitment to working with faculty, staff, students and communities to advance the [ASU Charter](#).

Desired Qualifications:

- Documented record of published research in theoretical mathematics.
- Established record or strong potential for grant support, relative to career level.
- Demonstrated experience and/or interest in teaching and mentoring.
- Demonstrated potential for establishing interdisciplinary collaborations.

Women and members of other underrepresented groups are encouraged to apply. ASU provides eligible employees with parental and family leave and resources for working parents (<https://math.asu.edu/family-resources>).

To Apply:

Submit the following to the ASU Interfolio website, <http://apply.interfolio.com/131067>

- 1.A cover letter that briefly explains the candidate's interest in the position and addresses the candidate's commitment to ASU's Charter.
- 2.A curriculum vitae.
- 3.A personal statement addressing the candidate's research program.
- 4.A statement of teaching experience and philosophy.
- 5.At least four letters of recommendation; one of these letters should address the candidate's teaching qualifications.

The application deadline is 4:00 pm Arizona time on **October 26, 2023** only applications that are complete by the deadline will be considered. If the position is not filled, remaining applications will be considered every two weeks thereafter until the search is closed. A background check is required for employment.

Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will be considered without regard to race, color, sex, religion, national origin, disability, protected veteran status, or any other basis protected by law.

<https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf>. You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

Member
Institution

POSITION AT UNIVERSITY OF VIRGINIA

The Department of Mathematics at the University of Virginia, Charlottesville, VA, invites applications for various positions. For further specifics, including instructions for applying, please see the advertisement on Mathjobs.org: <https://www.mathjobs.org/jobs/UVa>

Assistant Professor, General Faculty (2 positions)

The Department of Mathematics at the University of Virginia, Charlottesville, VA, invites applications for two positions of Assistant Professor, General Faculty. This teaching, non-tenure track position has three-year renewable contracts with successful reviews based primarily on teaching and service. There is also an opportunity for promotion to Associate and Full Professor. We seek candidates dedicated to the department's mission of providing UVa students with high-quality education in mathematics. The appointment begins with the fall term of 2024, with an anticipated start date of August 25, 2024.

We actively encourage applications of racial and ethnic minorities, women, individuals with disabilities, individuals who identify with LGBTQ communities, individuals from lower-income backgrounds, and/or first-generation college graduates.

For further specifics, including instructions for applying, please see the advertisement on Mathjobs.org: <https://www.mathjobs.org/jobs/list/23265>

Assistant Professor of Mathematics

The Department of Mathematics at the University of Virginia, Charlottesville, VA, invites applications for a tenure-track full-time position, with a focus on the areas of Analysis and Probability. Applicants must present evidence of outstanding promise in both research and teaching. We seek candidates dedicated to the department's mission of providing UVa students with a high-quality education in mathematics, and to engaging in widely recognized research in the mathematical sciences. The appointment begins with the fall term of 2024, with an anticipated start date of August 25, 2024.

For further specifics, including instructions for applying, please see the advertisement on Mathjobs.org: <https://www.mathjobs.org/jobs/list/23155>

RTG Postdoctoral Research Associate and Lecturer

The Department of Mathematics at the University of Virginia, Charlottesville, VA, invites applications for one RTG (Research Training Group) postdoctoral Research Associate and Lecturer position, in the fields of geometry and topology. The successful candidate will be expected to conduct their own research, under supervision of a faculty mentor, and teach two courses per year. The appointment begins with the fall term of 2024, with an anticipated start date of August 25, 2024.

For further specifics, including instructions for applying, please see the advertisement on Mathjobs.org: <https://www.mathjobs.org/jobs/list/23502>

Member
Institution

POSITION AT UNIVERSITY OF ROCHESTER

Applications are invited for a postdoctoral fellowship in Environmental Health (EH) Biostatistics in the Department of Biostatistics and Computational Biology at the University of Rochester (UR), funded by an NIEHS T32 training grant. The appointee will develop novel statistical methodology for projects related to EH, and/or be involved in statistical analyses for collaborative work with EH investigators, under co-mentorship of Biostatistics and EH faculty trainers. Methodological expertise among Biostatistics faculty trainers includes Bayesian MCMC methods, models for multiple outcomes, latent variable models, measurement error, missing data, causal inference, survival analysis, clustering, statistical genomics, molecular systems biology, and bioinformatics.

The specific area of the appointee's methodology development or analysis may be based on the trainee's interests and may be motivated by ongoing EH research at UR, such as studies of the effects of exposure to air pollution, metals, endocrine disruptors, pesticides, shale gas (fracking) or stress on pregnancy outcomes, reproduction, immune function, neurodevelopmental disorders, cognitive outcomes, or on gene expression pathways. The appointee will also receive further training in biostatistics and toxicology. Interested trainees will have the opportunity to gain experience in community engaged research related to understanding and addressing environmental health problems.

Position qualifications and start date: Candidates should have a doctoral degree in (bio)statistics, epidemiology, computational biology, data science, environmental health or a related field, with training in statistics and programming, and excellent communication skills. In accordance with NIEHS regulations, trainees must be US citizens or non-citizen nationals of the US who have been lawfully admitted for permanent residency and must have a doctoral degree by the start date. The initial appointment is for one year with the possibility of renewal for a second year. The candidate should plan to start July 1, 2024, but a later start date will also be considered.

Application instructions: A cover letter describing research experience, a current CV, graduate transcript (can be unofficial) and contact information for three references should be sent to Sally_Thurston@urmc.rochester.edu (please reference "NIEHS postdoctoral position" in the subject). For more information see <https://www.urmc.rochester.edu/biostat/training-grant.aspx>.

About us: The University of Rochester is one of the world's leading private research universities. We are a community in which all who work, teach, create, and provide care are welcome and respected, and where all can pursue and achieve their highest objectives for themselves, their community, and the world.

The Department of Biostatistics and Computational Biology currently includes 16 tenure-track and 5 research-track faculty and approximately 35 graduate students. Our goal is to prepare qualified predoctoral and postdoctoral trainees for careers that have a significant impact on the health-related research needs of the country within a diverse and inclusive environment.

Rochester is in the Finger Lakes region of western New York State, where the cost of living is reasonable and housing is affordable. The University has an active postdoctoral association that offers career development and networking opportunities, see <https://www.urmc.rochester.edu/education/post-doctoral.aspx>.

Member
Institution

POSITION AT FLORIDA ATLANTIC UNIVERSITY

The Department of Mathematical Sciences within the Charles E. Schmidt College of Science (COS) at Florida Atlantic University in Boca Raton, Florida, invites applications for a tenure-track Assistant Professor with expertise in Cryptology.

Research/Scholarship Responsibilities – The candidate will conduct research in cryptography/cryptanalysis. Strong candidates from all areas of cryptology are encouraged to apply. Preference will be given to candidates with several broad areas of interest including, but not limited to, symmetric and public-key cryptography, post-quantum cryptography, quantum algorithms in cryptography, mathematical cryptography, or a closely related area. The candidate should have a strong record of research accomplishments, demonstrated potential for extramural funding, and a commitment to excellence in education. FAU possesses a culture that fosters internal collaboration and innovation as well as partnerships with local, national, and international agencies, and thus candidates must display strong collaborative potential and the ability to conduct transformative externally funded research within their area of specialization.

Teaching Responsibilities – Candidates will be expected to teach courses in mathematics, as well as upper-level undergraduate and graduate courses within the applicant's area of expertise. Supervision of undergraduate, M.S., and Ph.D. students is also expected. The candidate should show clear promise of excellent instructional capacity. They should be able to demonstrate their ability to understand cultural and learning differences among students and be able to foster and create educational opportunities where all students can thrive.

Service Responsibilities – Candidates are expected to serve on Departmental, College and University committees, and provide professional service to external entities related to their field of expertise.

Informal inquiries can be addressed to: Shi Bai, Chair of the Search Committee, (Email: sbai@fau.edu). Review of applications will begin January 2, 2024 and will continue until the position is filled.

Minimum Qualifications: A Ph.D. in Mathematics or closely related field at the time of hire is required.

Application Deadline: 2024/01/03

Special Instructions to Applicant:

This position is open until filled and may close without prior notice. This position is subject to funding. All applicants must apply electronically to the currently posted position on the Office of Human Resources' [job website](#) by completing the required employment application for this recruitment and submitting the related documents. Required Documents: FAU's Career Page permits the attachment of required/requested documentation. PLEASE NOTE: A maximum of five (5) documents may be attached to your application. If more than five (5) documents are required for submission, please combine additional documents into a single attachment to not exceed the maximum permitted. The site permits the attachment of required/requested documentation. When completing the online application, please upload the following: (1) a cover letter, (2) curriculum vitae, (3) a statement of teaching philosophy and summary of planned research, and (4) contact information for three references including email addresses and phone numbers.

Transcripts: The selected candidate for this position is required to submit an official transcript sent directly from the institution for the Provost's credential file prior to the first day of employment. Similarly, for degrees from outside the United States, the evaluation by an organization belonging to the National Association of Credential Evaluation (NACES), with an indication of the documents the evaluation was prepared from (official transcripts, diplomas, dissertation abstracts) is required for the Provost's credential file prior to the first day of employment. Transcripts must be issued to Florida Atlantic University, not to the individual applicant.

Background Screening: Selected candidates must successfully complete and pass all employment screenings prior to the start of employment. Employment screenings may include a criminal background check (level I and level II), motor vehicle check, credit check, reference checks, alcohol, and drug screening check.

Accommodations: Individuals requiring accommodation, please call 561-297-3057. 711
mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

Member
Institution

POSITION AT FLORIDA ATLANTIC UNIVERSITY

The Department of Mathematical Sciences within the Charles E. Schmidt College of Science (COS) at Florida Atlantic University in Boca Raton, Florida invites applications for a tenure-track Assistant Professor with expertise in Data Science and Statistics.

Research/Scholarship Responsibilities – The candidate will conduct research in theoretical or applied Statistics, Biostatistics, and Data Science. The candidate should have a strong record of research accomplishments, demonstrated potential for extramural funding, and a commitment to excellence in education. FAU possesses a culture that fosters internal collaboration and innovation as well as partnerships with local, national, and international agencies, and thus candidates must display strong collaborative potential and the ability to conduct transformative externally funded research within their area of specialization.

Teaching Responsibilities – Candidates will be expected to teach courses in Probability and Statistics, as well as upper-level undergraduate and graduate courses within the applicant's area of expertise. Supervision of undergraduate, M.S., and Ph.D. students is also expected. The candidate should show clear promise of excellent instructional capacity. They should be able to demonstrate their ability to understand cultural and learning differences among students and be able to foster and create educational opportunities where all students can thrive.

Service Responsibilities – Candidates are expected to serve on Departmental, College and University committees, and provide professional service to external entities related to their field of expertise. Informal inquiries can be addressed to: Lun-Ching Chang, Chair of the Search Committee, (email: changl@fau.edu). Review of applications will begin January 2, 2024 and will continue until the position is filled.

Minimum Qualifications: A Ph.D. in Statistics, Biostatistics, Mathematics, or closely related field at the time of hire is required. Post-doctoral experience is preferred.

Application Deadline: 2024/01/03

Special Instructions to Applicant: This position is open until filled and may close without prior notice. This position is subject to funding. All applicants must apply electronically to the currently posted position on the Office of Human Resources' [job website](#) by completing the required employment application for this recruitment and submitting the related documents. Required Documents: FAU's Career Page permits the attachment of required/requested documentation. PLEASE NOTE: A maximum of five (5) documents may be attached to your application. If more than five (5) documents are required for submission, please combine additional documents into a single attachment to not exceed the maximum permitted. The site permits the attachment of required/requested documentation. When completing the online application, please upload the following: (1) a cover letter, (2) curriculum vitae, (3) a statement of teaching philosophy and summary of planned research, and (4) contact information for three references including email addresses and phone numbers.

Transcripts: The selected candidate for this position is required to submit an official transcript sent directly from the institution for the Provost's credential file prior to the first day of employment. Similarly, for degrees from outside the United States, the evaluation by an organization belonging to the National Association of Credential Evaluation (NACES), with an indication of the documents the evaluation was prepared from (official transcripts, diplomas, dissertation abstracts) is required for the Provost's credential file prior to the first day of employment. Transcripts must be issued to Florida Atlantic University, not to the individual applicant.

Background Screening: Selected candidates must successfully complete and pass all employment screenings prior to the start of employment. Employment screenings may include a criminal background check (level I and level II), motor vehicle check, credit check, reference checks, alcohol, and drug screening check. As a Hispanic-serving institution, Florida Atlantic University (FAU) is one of the most racially and ethnically diverse institutions in the Florida state university system.

Accommodations: Individuals requiring accommodation, please call 561-297-3057. 711

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

Member
Institution

POSITION AT FLORIDA ATLANTIC UNIVERSITY

The Department of Mathematics within the Charles E. Schmidt College of Science (COS) at Florida Atlantic University invites applications for a 9-month non-tenure track faculty position at the Instructor level beginning in the Fall Semester of 2024.

Teaching Responsibilities – Candidates will be expected to teach a load of approximately 12 credit hours per semester, primarily in courses at or below the calculus level. The main areas of teaching are Mathematics and Statistics. The candidate should show clear promise of excellent instructional capacity. They should be able to demonstrate their ability to understand cultural and learning differences among students and be able to foster and create educational opportunities where all students can thrive.

Service Responsibilities – Candidates are expected to serve on Departmental, College and University committees, and provide professional service to external entities related to their field of expertise. Informal inquiries can be addressed to: Susan Moosai, Chair of the Search Committee, (smoosai@fau.edu). Review of applications will begin January 2, 2024 and will continue until the position is filled.

This position is part of a major strategic hiring initiative in the Charles E. Schmidt College of Science that will continue to build on our areas of strength in Environment, Health, and Data Science. More information on our hiring initiative can be found at: <https://www.fau.edu/science-hiring/>. More information about the College of Science can be found at:

Minimum Qualifications: An M.S. or higher in Mathematics or Statistics or closely related field at the time of hire is required.

Application Deadline: 2024/01/03

Special Instructions to Applicant:

This position is open until filled and may close without prior notice. This position is subject to funding. All applicants must apply electronically to the currently posted position on the [Office of Human Resources' job](#) by completing the required employment application for this recruitment and submitting the related documents. Required Documents: FAU's Career Page permits the attachment of required/requested documentation. PLEASE NOTE: A maximum of five (5) documents may be attached to your application. If more than five (5) documents are required for submission, please combine additional documents into a single attachment to not exceed the maximum permitted. The site permits the attachment of required/requested documentation. When completing the online application, please upload the following: (1) a cover letter, (2) curriculum vitae, (3) a statement of teaching philosophy, and (4) contact information for three references including email addresses and phone numbers.

Transcripts: The selected candidate for this position is required to submit an official transcript sent directly from the institution for the Provost's credential file prior to the first day of employment. Similarly, for degrees from outside the United States, the evaluation by an organization belonging to the National Association of Credential Evaluation (NACES), with an indication of the documents the evaluation was prepared from (official transcripts, diplomas, dissertation abstracts) is required for the Provost's credential file prior to the first day of employment. Transcripts must be issued to Florida Atlantic University, not to the individual applicant.

Background Screening: Selected candidates must successfully complete and pass all employment screenings prior to the start of employment. Employment screenings may include a criminal background check (level I and level II), motor vehicle check, credit check, reference checks, alcohol, and drug screening check.

As a Hispanic-serving institution, Florida Atlantic University (FAU) is one of the most racially and ethnically diverse institutions in the Florida state university system. We are committed to recruiting and retaining talented faculty and staff. We embrace our shared responsibility to create and celebrate a welcoming and inclusive campus environment for all. Our community features excellent schools, a vibrant and safe community, and a sub-tropical climate conducive to year-round outdoor activities.

Accommodations: Individuals requiring accommodation, please call 561-297-3057. 711

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

Member
Institution

POSITION AT THE OHIO STATE UNIVERSITY

Position Overview

The Ohio State University (OSU) College of Public Health is inviting applications for a tenure-track faculty position at the level of Assistant Professor in the Division of Biostatistics. All research areas will be considered. We especially welcome scholars whose research enriches or expands on current research being conducted by division and College of Public Health faculty, including (but not limited to) causal inference, clinical trials, survival analysis, infectious diseases, longitudinal data analysis, missing data, spatial modeling, high-dimensional data analysis, genomics, epidemiologic methods, and survey sampling. The division values the full spectrum of research including theoretical and methodological development, computational methods, and applications. The search committee is especially interested in candidates who, through their research, teaching, and service, will contribute to the diversity and excellence of our academic community. This is a nine-month position. Rank and salary will be determined by the candidate's credentials.

Education and Experience Requirements

Applicants must have a Ph.D. or other doctoral degree in Biostatistics, Statistics, or a closely related discipline by the start of employment. Applicants must have strong records of peer-reviewed publications and teaching/mentoring that are commensurate with rank.

How to Apply

To be considered, please submit your application electronically via Workday (R92044):

<https://osujoblinks.com/6spm>

Application materials must include:

- Cover letter
- Curriculum Vita (CV)
- Statement of Research
- Statement of Teaching and Mentoring
- Two recent publications

Applications will be accepted immediately and will be considered until the search has concluded. The start date for this position is August 15, 2024. Finalists will be asked to supply letters of recommendation. Please direct inquiries about this position to the chair of the search committee, Dr. Eben Kenah (kenah.1@osu.edu).

All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy, race, religion, sex, sexual orientation, or veteran status.

Member
Institution

POSITION AT THE OHIO STATE UNIVERSITY

Position Overview: The Ohio State University (OSU) College of Public Health is inviting applications for a tenure-track/tenured faculty position in the Division of Biostatistics at the rank of Assistant or Associate Professor.

We are actively seeking candidates passionate about contributing to the Division's research and teaching missions and who can lend their expertise to the newly established interdisciplinary Health and Environment Modeling (HEALMOD) Initiative. The HEALMOD Initiative at OSU brings together an interdisciplinary community of scholars committed to research at the intersection of human health and environmental sustainability. It is collaboratively administered by faculty in the Division of Biostatistics in the College of Public Health (CPH), faculty in Sociology and Anthropology who focus on quantitative research, and faculty in the CPH Division of Environmental Health Sciences who focus on computational epidemiology, risk assessment, and exposure modeling. Central to HEALMOD is an emphasis on quantitative analyses of eco-social determinants of health, exploring the intricate links between human and natural systems.

Ideal candidates should possess deep expertise in mathematical and statistical methodologies relevant to models in epidemiology, ecology, or the social sciences. Their specific research interests may encompass:

- Mathematical/statistical modeling using dynamical systems
- Techniques for dissecting complex social and ecological models
- Bayesian inference and machine learning tailored for complex stochastic systems
- Cutting-edge AI methodologies
- Strategies for data reconciliation, coupled with expertise in handling multiscale and multi-stream dynamic data systems.

The search committee is especially interested in candidates who, through their research, teaching, and service, will contribute to the diversity and excellence of our academic community. This is a nine-month position. Rank and salary will be determined by the candidate's credentials.

Education and Experience Requirements

Applicants must have a Ph.D. or other doctoral degree in Biostatistics, Statistics, or related discipline by the start of employment. Applicants must have strong records of peer-reviewed publications and teaching/mentoring that are commensurate with rank.

How to Apply

To be considered, please submit your application electronically via Workday: <https://osujoblinks.com/5oir>

Application materials must include:

- Cover letter
- Curriculum Vita (CV)
- Statement of Research
- Statement of Teaching and Mentoring
- Two recent publications

Applications will be accepted immediately and will be considered until the search has concluded. The start date for this position is August 15, 2024. Finalists will be asked to supply letters of recommendation. Please direct inquiries about this position to the chair of the search committee, Dr. Eben Kenah (kenah.1@osu.edu).

All qualified applicants will receive consideration for employment without regard to age, ancestry, color, disability, ethnicity, gender, gender identity or expression, genetic information, HIV/AIDS status, military status, national origin, pregnancy, race, religion, sex, sexual orientation, or veteran status.

Final candidates are subject to successful completion of a background check.

Member
Institution

POSITION AT UNIVERSITY OF DELAWARE

The Department of Mathematical Sciences seeks additional expertise in data science to strengthen and broaden multiple research initiatives in the department and on campus, such as the Data Science Institute (dsi.udel.edu). In addition, we seek to enhance our undergraduate programs in mathematics and data science and our dual-degree MS in data science with PhD in mathematics or applied mathematics.

The department seeks an exceptional candidate for a tenure-track assistant professor position in the mathematics of data science. The successful candidate will have a demonstrated record of significant research achievements in the mathematics of data science; strong potential for obtaining external research funding in the area; relevant knowledge and willingness to engage in meeting department and university teaching and service needs in data science; experiences showing promise of effective teaching at the undergraduate level; interest in advising and teaching at the PhD level; and a commitment to creating an inclusive classroom environment. Applicants must have received a doctoral degree in mathematics, applied mathematics, or a closely related Tenure-track faculty position in Data Science.

The Department of Mathematical Sciences seeks additional expertise in data science to strengthen and broaden multiple research initiatives in the department and on campus, such as the Data Science Institute (dsi.udel.edu). In addition, we seek to enhance our undergraduate programs in mathematics and data science and our dual-degree MS in data science with PhD in mathematics or applied mathematics.

The department seeks an exceptional candidate for a tenure-track assistant professor position in the mathematics of data science. The successful candidate will have a demonstrated record of significant research achievements in the mathematics of data science; strong potential for obtaining external research funding in the area; relevant knowledge and willingness to engage in meeting department and university teaching and service needs in data science; experiences showing promise of effective teaching at the undergraduate level; interest in advising and teaching at the PhD level; and a commitment to creating an inclusive classroom environment. Applicants must have received a doctoral degree in mathematics, applied mathematics, or a closely related discipline by the start date of the position. Research-active faculty typically have a 2-1 teaching load.

TO APPLY: Review of applications will begin on **November 13, 2023** and will continue until the position is filled. Applicants should submit the following materials through the [MathJobs](#) system: a cover letter, a curriculum vitae, a research statement describing achievements and plans for future work, and a teaching statement. In their teaching statement, candidates are encouraged to describe their efforts to promote an inclusive culture in the classroom. In addition, candidates should request that at least three letters of recommendation be submitted through [MathJobs](#). At least one letter should address the candidate's teaching ability.

Questions, but not application materials, may be e-mailed to Professor Tobin Driscoll at driscoll@udel.edu with "Tenure-track Position" in the subject line.

Compensation packages are highly competitive and commensurate with experience and qualifications. The UD benefits package is one of the best in the nation.

The University of Delaware is an Equal Opportunity Employer and encourages applications from members of underrepresented groups. The University's Notice of Non-Discrimination can be found at <http://www.udel.edu/aboutus/legalnotices.html>.

Member
Institution

POSITION AT MICHIGAN STATE UNIVERSITY

The [Department of Mathematics](#) at [Michigan State University](#) invites applications for two RTG Postdoctoral Associate positions with a starting date of Fall 2024. This is a three-year, benefits eligible position, associated with the NSF-funded RTG project "Algebraic and Geometric Topology at Michigan State." Topology at MSU is represented by a vibrant group of faculty and graduate students; a group with rich interaction amongst not only its members but also with the closely connected research groups at MSU in geometry and algebra. RTG Postdoctoral Associates will be integrated into the topology group through pairing with faculty mentors, participation and co-leadership in RTG activities, vertically integrated structured research projects, thoughtful curation of teaching assignments, and engagement in the department's active instructional mentoring program. Candidates will be evaluated on their potential in research, teaching, graduate and undergraduate mentorship, and their fit with the topology research community at MSU. Candidates are required to have a Ph.D. in Mathematics by August 10, 2024. Due to NSF rules, the position is restricted to US citizens, nationals, or permanent residents.

Some features of the RTG postdoctoral position include:

- Mentoring in research, teaching, and other aspects of professional development
- Summer support for two summers
- Funding in the amount of \$6000 per year for travel and supplies
- A teaching expectation of one course per semester
- Participation in RTG activities such as seminars, conference organization, research collaboration with graduate students and faculty, and assisting with mentoring and directed reading programs for undergraduates

Applicants should submit the following items on Mathjobs.org to complete their application:

- Cover Letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Four Reference Letters with at least one of which addresses teaching (Letters to be submitted online by the reference writers at Mathjobs.org posting)

Applicants must submit their application materials via [Mathjobs.org](#) at <https://www.mathjobs.org/jobs/list/22660>.

Review of applications will begin on **December 1, 2023**, and will continue until the positions are filled. A background check is required for employment. Appointments will be renewed annually for up to three years, contingent on satisfactory performance.

For questions or further information:

- Teena Gerhardt (teena@math.msu.edu) • Matthew Hedden (mhedden@math.msu.edu)
- Effie Kalfagianni (kalfagia@msu.edu) • Matthew Stoffregen (stoffre1@msu.edu)

Department Website: <https://math.msu.edu/>

Department of Mathematics
Michigan State University
619 Red Cedar Road, C212 Wells Hall
East Lansing, MI 48824

MSU is an affirmative-action, equal-opportunity employer and is committed to achieving excellence through a diverse workforce and inclusive culture that encourages all people to reach their full potential. The University actively encourages applications and/or nominations of women, persons of color, veterans, and persons with disabilities. MSU is committed to providing a work environment that supports employees' work and personal life, and offers employment assistance to the spouse or partner of candidates for faculty and academic staff positions.

Member
Institution

POSITION AT SAN FRANCISCO UNIVERSITY

San Francisco State University, Department of Mathematics offers an exciting opportunity for a tenure-track Assistant Professor position in Mathematics (pure or applied) or Mathematics Education beginning August 7, 2024. We seek a colleague whose research and teaching interests include any field in mathematics, applied mathematics, mathematics education or related field. Every potential applicant who may have doubts about their eligibility is encouraged to apply. We are especially interested in qualified candidates with a demonstrated commitment -- through their research, teaching, and service -- to the diversity and excellence of our academic community.

We are seeking applicants with experience in and/or demonstrated commitment to teaching and working effectively with individuals from diverse backgrounds and members of underrepresented groups. This is part of a cohort hire focused on Black and Latinx/e student success. We are looking for teacher/scholars who have an established commitment to teaching, research and/or service in and with the Black and Latinx/e community.

Candidates for this position are expected to satisfy two or more of the eight Black and Latinx/e Student Success Cohort Hire criteria:

1. Training in and knowledge of historical and present-day structural racism, and practice that engages that knowledge (practice may include teaching, research, and/or service).
2. Demonstrated knowledge of challenges and barriers for Black and Latinx/e students, and evidence of strategies employed to help students overcome such barriers.
3. Evidence of employing anti-racist teaching strategies that support the learning and success of Black and Latinx students.
4. Mentors and engages Black and Latinx/e students in research, scholarship, and creative activities.
5. Evidence of research that contributes to equity, opportunities, and inclusion in higher education.
6. Evidence of research that integrates understanding of and/or engages Black and Latinx/e communities' challenges and structural realities.
7. Evidence of engaging in service to Black and Latinx/e populations within the discipline.
8. Evidence of service and contributions to Black and Latinx/e communities.

Deadline to apply: **Sunday, December 10, 2023**

More information about the position here:

<https://careers.pageuppeople.com/873/sf/en-us/job/532589/assistant-professor-mathematics-pure-or-applied-or-mathematics-education>

Member
Institution

POSITION AT UNIVERSITY OF CALIFORNIA, IRVINE

The Department of Statistics (www.stat.uci.edu) in the Donald Bren School of Information and Computer Sciences (ICS) at the University of California, Irvine (UCI) invites applications for a tenure-track/tenured faculty position at the assistant, associate, or full rank level with an anticipated start date of July 1, 2024. All positions would be eligible to participate in UCI's faculty housing program. Early career candidates are especially encouraged to apply.

The Department of Statistics has a strong interdisciplinary flavor, focused on developing state-of-the-art methods for solving topical data-driven problems in natural and social sciences, medicine and engineering, and advancing the statistical theory that underlies those methods. We are searching for faculty with strong research potential, a commitment to excellence in teaching and contributions to inclusive excellence, and enthusiasm for helping our collegial department continue to grow. Applicants should hold a Ph.D. degree (or expected by fall 2024) in statistics, biostatistics or a related field. Candidates with research interests in all areas of statistics will be considered.

The U.S. News and World Report 2023 Best Global Universities ranking identifies UCI as one of the top 30 universities for a graduate degree in statistics in the United States. The department is further ranked within the top 20 statistics graduate programs among all public institutions. Our Master of Data Science was recently ranked No. 7 overall on Fortune's list of best master's degree programs in data science and we are host to the first undergraduate degree in data science within the University of California system. The department currently consists of 14 primary faculty, 58 PhD students, 22 MS students, and 111 MDS students. Faculty distinctions in the department include 7 ASA fellows, 3 AAAS fellows, 3 IMS fellows, and 4 Chancellor's professors.

The University of California, Irvine is ranked as a top 10 public university by U.S. News and World Report, has been identified by The New York Times as No. 1 among U.S. universities that do the most for low-income students, and is No. 2 in the west for diversity according to The Wall Street Journal/Times Higher Education. UCI has also done what no other school has done—rank among Sierra's Top 10 most sustainable colleges for 12 years in a row. UCI is located in Orange County, 4 miles from the Pacific Ocean and 45 miles south of Los Angeles. Irvine is one of the safest communities in the U.S. and offers a very pleasant year-round climate, numerous recreational and cultural opportunities, and one of the highest-ranked public-school systems in the nation.

Completed applications containing a cover letter, curriculum vita, inclusive excellence activities statement, teaching and research statements, three letters of recommendation, and sample research publications should be uploaded electronically. To be considered, ALL applicants must upload required documents using the following URL--
<https://recruit.ap.uci.edu/JPF08636>. The review of applications will begin **November 30, 2023** and full consideration will be given to all applications received by this date. Applications will, however, continue to be accepted and reviewed until **December 15, 2023**.

POSITION AT CARNEGIE MELLON UNIVERSITY

The Department of Mathematical Sciences at Carnegie Mellon University invites applications for a tenure-track position at the rank of assistant professor or higher to begin September 1, 2024. The search is focused on candidates with expertise in computational mathematics, numerical analysis, optimization, and related areas. Addressing applied problems and participation in interdisciplinary efforts is also valued.

Qualifications

Preference will be given to candidates who have demonstrated excellence in research and have a vigorous research program.

The Department of Mathematical Sciences is committed to increasing the diversity of its community on a range of intellectual and cultural dimensions and is part of a College and University that is proactive to include more members of previously under-represented groups. We seek candidates who, through their research, teaching, and/or service will contribute to the diversity and excellence of our academic community.

Application Instructions

Applicants should submit all materials electronically through [Interfolio](#) and [MathJobs](#). This includes a cover letter, curriculum vita, list of publications, a statement describing current and planned research, a teaching statement, and a statement describing how, through their research, teaching and/or service, they plan to contribute to and foster diversity and inclusion in mathematics. Candidates should also arrange for at least three letters of recommendation that will be solicited through [Interfolio](#).

CMU seeks to meet the needs of dual-career couples and is a member of the Higher Education Recruitment Consortium (HERC) that assists with dual-career searches.

Equal Employment Opportunity Statement

Carnegie Mellon University shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

POSITIONS AT BOWDOIN COLLEGE

Assistant Professor Positions in Mathematics at Bowdoin College

The Department of Mathematics at Bowdoin College invites applications for two tenure-track appointments at the assistant professor level beginning July 1, 2024. We look forward to welcoming two individuals who share our goal of fostering an inclusive mathematical community through exemplary research, teaching, mentoring, and outreach.

The College complies with applicable provisions of federal and state laws that prohibit unlawful discrimination in employment, admission, or access to its educational or extracurricular programs, activities, or facilities. Review of applications will begin **November 15, 2023**. Visit [Mathjobs.org](https://mathjobs.org) for a full description.

Lecturer Positions in Mathematics at Bowdoin College

Bowdoin College invites applications for two five-year, lecturer positions beginning July 1, 2024. These positions are focused on our calculus and introductory mathematics courses, and successful candidates will take leadership roles in ongoing departmental efforts to support students who are beginning their mathematical journey at Bowdoin.

The College complies with applicable provisions of federal and state laws that prohibit unlawful discrimination in employment, admission, or access to its educational or extracurricular programs, activities, or facilities. Review of applications will begin **November 27, 2023**. Visit [Mathjobs.org](https://mathjobs.org) for a full description.

POSITION AT ST. JOHN'S UNIVERSITY

Full-time tenure-track faculty position at the rank of Assistant Professor at the Department of Mathematics and Computer Science of **St. John's University in New York City**.

Responsibilities

The responsibilities of this position include (1) High-quality teaching on all levels: graduate, undergraduate, and service courses; (2) Maintaining an active research program, including publishing in reputable journals and presenting at conferences; (3) Participating in curriculum and program development; (4)

Advising/mentoring students and supervising student research projects.

The standard teaching load at St. John's is 9 credits (3 courses) each semester. Each year faculty can apply for a reduction in their teaching load to 6 credits (2 courses) each semester for intensive research and scholarship. The first year of this position automatically comes with a reduced teaching load of 6 credits (2 courses) each semester.

Qualifications

Applicants must possess a Ph.D. in Mathematics, Applied Mathematics, or Theoretical Computer Science. Candidates for this position must show evidence of high-quality teaching in areas belonging to our department's needs (see the list of programs above), and they must show evidence of strong research potential in Mathematics, Applied Mathematics, or Theoretical Computer Science. Applicants with postdoctoral experience in both research and teaching are preferred. The Department is eager to attract candidates representing the rich diversity of the students and communities we proudly serve in the New York Metropolitan area. In addition, we seek candidates who, through their research, teaching, and service, will contribute to the diversity and excellence of our academic community.

Application Process

A complete application must include:

- A cover letter that explains the applicant's interest in our department and their ability to meet the expectations of the position listed under "Responsibilities" above. We encourage applicants to include in their cover letter and/or teaching statement a summary of their past and/or future contributions to promoting a diverse, equitable, and inclusive environment.
- A curriculum vitae that includes a list of publications.
- A research statement containing (a) A description of research achievements, (b) An outline of the applicant's research program for the near future, (c) One or two paragraphs on ideas for doing research projects with students.
- A teaching statement that includes the applicant's teaching philosophy. We encourage applicants to include in their cover letter and/or teaching statement a summary of their past and/or future contributions to promoting a diverse, equitable, and inclusive environment.
- A document containing names and contact information for at least three references, one of whom should be able to evaluate teaching of the candidate.

All items should be submitted electronically via the link below.

Contact person:

David Rosenthal, Professor and Chair, Dept. of Mathematics & Computer Science, St. John's University, 8000 Utopia Pkwy, Queens, NY 11439. E-mail: rosenthd@stjohns.edu

The review of applications will begin on **January 5, 2024**, and will continue until the position is filled.

St. John's University is an Equal Opportunity Employer and encourages applications from women and minorities. All qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, or any other characteristic protected by law. Any offer of employment is subject to receipt by St. John's University of satisfactory references, employment verification, and education.

In compliance with NYC's Pay Transparency Act, the annual salary range for this position is \$80,000 - \$83,000. St. John's University considers factors such as (but not limited to) scope and responsibilities of the position, candidate's work experience, education/training, key skills, internal peer equity, as well as market and organizational considerations when extending an offer.

To apply, visit <https://apptrkr.com/4804329>

Copyright ©2022 Jobelephant.com Inc. All rights reserved. <https://www.jobelephant.com/>

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.

POSITION AT EASTERN KENTUCKY UNIVERSITY

Title: Assistant Professor of Mathematics/ Position Type: Fulltime Faculty/ Department: 21R000 - Science, Tech, Engineering & Math/ Position Location: Richmond Campus/ FLSA: Exempt
Schedule Type: Full Time (37.5 hrs per week or more)/ Retirement: KTRS/ Contact Person: Michelle Smith

The Department of Mathematics and Statistics offers the Bachelor of Science in Mathematics (with concentrations in General Mathematics and Mathematics Teaching), the Bachelor of Science in Data Science and Statistics, a Certificate in Applied Data Science, and the Master of Arts in Applied Mathematics. For more information about the department, visit www.math.eku.edu.

Job Summary/Basic Functions

The Department of Mathematics and Statistics at Eastern Kentucky University invites applications for a tenure-track faculty position at the rank of Assistant Professor beginning August 1, 2024. The successful candidate is expected to teach 12 hours per semester, including general education courses, mathematics courses, and graduate level courses; establish a record of scholarship and publication; and contribute to departmental, college, and university service.

New faculty will be given a one-course reduction for two semesters of their first two years of the appointment.

The successful applicant will present evidence of the potential for teaching excellence in general education courses, mathematics courses, and graduate level courses; the potential to establish a scholarship program; and the potential to contribute to the department in terms of service such as advising and recruiting.

The successful candidate must have a Ph.D. or ABD in Mathematics, Applied Mathematics, or a related area from a regionally (SACS, Middle States, North Central, etc.) accredited or internationally recognized institution, by the start of employment. Preference will be given to candidates with training in pure or applied mathematics with experience teaching general education courses.

Applicants should submit a cover letter, curriculum vitae, unofficial copies of graduate and undergraduate academic transcripts, a statement of teaching philosophy, a statement of research interests, and contact information of at least three professional references. In addition, the cover letter should describe the candidate's reasons for applying to ECU and demonstrate a commitment to a learning environment that fosters access, equal opportunity, dignity, respect, and inclusion for all people.

Review of application materials will begin **January 16, 2024**, and continue until the position is filled.

Minimum Qualifications

Education: The successful candidate must have a Ph.D. or ABD in Mathematics, Applied Mathematics, or a related area from a regionally (SACS, Middle States, North Central, etc.) accredited or internationally recognized institution, by the start of employment.

Experience: The successful applicant will present evidence of the potential for teaching excellence in general education courses, mathematics courses, and graduate level courses; the potential to establish a scholarship program; and the potential to contribute to the department in terms of service such as advising and recruiting.

Preferred Qualifications: Preference will be given to candidates with training in pure or applied mathematics with experience teaching general education courses.

Sponsorship: This position may be considered for visa sponsorship. Funding Source: Institutional
Open Until Filled: Yes

AA/EEO Statement

Eastern Kentucky University is an Equal Opportunity employer and educational institution and does not discriminate on the basis of age (40 and over), race, color, religion, sex, sexual orientation, gender identity, gender expression, pregnancy, ethnicity, disability, national origin, veteran status, or genetic information in the admission to, or participation in, any educational program or activity (e.g., athletics, academics and housing) which it conducts or any employment policy or practice.

Background Check Statement

Offers of employment are contingent upon satisfactory background check.

To apply, please visit: <https://apptrkr.com/4759235>

Copyright ©2022 Jobelephant.com Inc. All rights reserved. <https://www.jobelephant.com/>

mathalliance@purdue.edu | www.mathalliance.org

This ad has been abbreviated to fit the page. You can see the ad in its entirety on our website.