

ADJOINT

2023

The African Diaspora Joint Mathematics Workshop (ADJOINT) is a yearlong program that provides opportunities for U.S. mathematicians – especially those from the African Diaspora – to form collaborations with distinguished African-American research leaders on topics at the forefront of mathematical and statistical research.

JUNE 19 - JUNE 30, 2023 · BERKELEY, CA

Simons Laufer Mathematical Sciences Institute (SLMath)

ABOUT THE PROGRAM

Beginning with an intensive two-week summer session at SLMath, participants work in small groups under the guidance of some of the nation's foremost mathematicians and statisticians to expand their research portfolios into new areas.

Throughout the following academic year, the program provides conference and travel support to increase opportunities for collaboration, maximize researcher visibility, and engender a sense of community among participants.

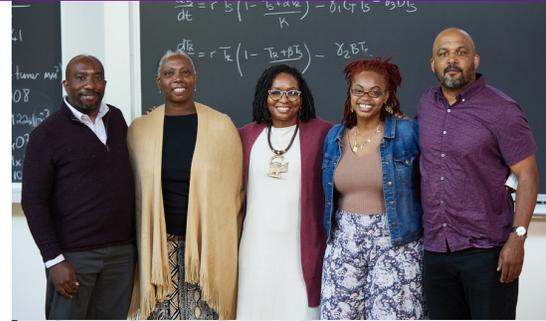
ELIGIBILITY & HOW TO APPLY

Applicants must be a U.S. citizen or permanent resident, possess a Ph.D. in the mathematical or statistical sciences, and be employed at a U.S. institution. Applications are hosted via MathPrograms.org.

The guiding principle in selecting participants and establishing the groups is the creation of diverse teams whose members come from a variety of institutional types and career stages.

Apply via [MathPrograms.org](https://mathprograms.org) by January 15, 2023

msri.org/adjoint



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2023 PROGRAM

During the two-week summer workshop, ADJOINT participants will:

- conduct research at SLMath within a small group of mathematical and statistical scientists under the direction of one of the research leaders;
- participate in professional enhancement activities provided by the onsite ADJOINT Director; and
- receive funding for two weeks of lodging, meals and incidentals, and one round-trip travel to Berkeley, CA.

After the workshop, each participant will:

- have the opportunity to further their research project with the team members including the research leader;
- have access to funding to attend conference(s) or to meet with other team members to pursue the research project, or to present results; and
- become part of a network of research and career mentors.

ADJOINT PROGRAM DIRECTORS

- **Dr. Edray Goins** (Pomona College)
- **Dr. Caleb Ashley** (Boston College)
- **Dr. Naiomi Cameron** (Spelman College)
- **Dr. Jacqueline Hughes-Oliver** (North Carolina State University)
- **Dr. Anisah Nu'Man*** (Spelman College)

* 2023 site director

2023 RESEARCH GROUPS

Dr. Folashade Augusto

University of Kansas

**Ticks, Fire and Control:
Implementing prescribed fire and control measures at ticks invasion front**

Dr. Jonathan Esole

Northeastern University

Elliptic fibrations, flops, and collisions of singularities

Dr. Donald Eugene Kemp Martin

North Carolina State University

Inference and applications of sparse Markov models

Dr. Nsoki Mavinga

Swarthmore College

Nonlinear elliptic partial differential equations with nonlinear boundary conditions

"I think that the relationships built during my two weeks at MSRI will be long-lasting and very beneficial to our mathematical development."

"This can make a direct impact on the number of research papers authored and conference presentations given by African Americans. That is a huge positive."



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