



NIH Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Program

2023 Applicant Webinar

September 12, 2023

Before We Begin

- **This webinar is being recorded** and will be available online. The slides have been posted on the [MOSAIC website](#) (video will be posted in the coming weeks)
- Type your questions in the chat box
- There will be Q&A periods during the webinar.

Webinar Participants

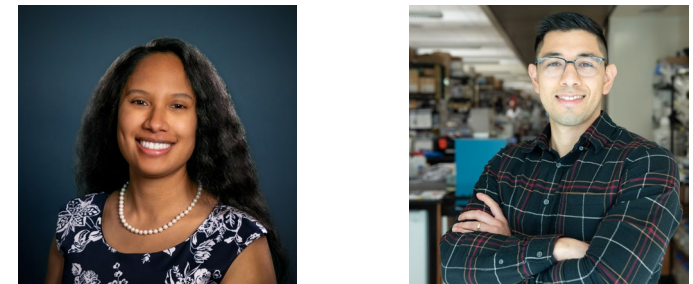
NIH Staff

- Kenneth Gibbs, Ph.D., Program Director
- Kalynda Gonzales Stokes, Ph.D., Program Director
- Rebecca Johnson, Ph.D., Scientific Review Officer
- Justin Rosenzweig, Grants Management Team Leader



NIH MOSAIC Scholars

- Erica O'Brien, Ph.D., Postdoctoral Scholar, Pennsylvania State University
- Andrew Mendiola, Ph.D., Postdoctoral Scholar, Gladstone Institutes, University of California, San Francisco
- Chrystal Starbird, Ph.D., Assistant Professor, University of North Carolina



Webinar Agenda

- Background & Overall Program Description
- MOSAIC Program Components (Description, Review, Grants Management, Questions)
 - Postdoctoral Career Transition Award to Promote Diversity (K99/R00) - **Hearing from MOSAIC K99/R00 Scholars!**
 - MOSAIC Institutionally-Focused Research Education Award (UE5)
- Final Questions

Disclaimer

This presentation and accompanying slides are for informational purposes only. They serve as an overview of the NIH MOSAIC program and are not meant to be comprehensive in coverage of all required components an application.

Applicants are responsible for following the instructions detailed in the Notice of Funding Opportunity (NOFO) and any Related Notices (included in the NOFO's Overview Information section), and the [SF424 Application Guide](#).

Department of Health and Human Services

Part 1. Overview Information

Example

Participating Organization(s)

National Institutes of Health ([NIH](#))

Components of Participating Organizations

National Institute of General Medical Sciences ([NIGMS](#))

National Eye Institute ([NEI](#))

National Heart, Lung, and Blood Institute ([NHLBI](#))

National Human Genome Research Institute ([NHGRI](#))

National Institute on Aging ([NIA](#))

National Institute on Alcohol Abuse and Alcoholism ([NIAAA](#))

National Institute of Allergy and Infectious Diseases ([NIAID](#))

Activity Code

[K99/R00](#) Career Transition Award/Research Transition Award

Announcement Type

Reissuance of [PAR-19-343](#) - Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity (K99/R00 - Independent Clinical Trial Not Allowed)

Related Notices

See [Notices of Special Interest](#) associated with this funding opportunity

August 21, 2023 - Notice of Informational Webinar on the NIH Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Program Notices of Funding Opportunity (K99/R00 and UE5). See Notice [NOT-GM-23-053](#).

[NOT-OD-23-012](#) Reminder: FORMS-H Grant Application Forms and Instructions Must be Used for Due Dates On or After January 25, 2023 - New Grant Application Instructions Now Available

[NOT-OD-22-190](#) - Adjustments to NIH and AHRQ Grant Application Due Dates Between September 22 and September 30, 2022

September 7, 2022 - Notice of Increase to NIGMS K99 Support Levels. See Notice [NOT-GM-22-045](#)

Informational notice – this webinar!

Instructional notice – use [Forms-H](#) to apply

NIH MOSAIC Program Background and Structure



NIH MOSAIC Program

- The Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) program is part of NIH's efforts to **enhance diversity** within the academic biomedical research workforce.
- MOSAIC is designed to **facilitate the transition** of promising postdoctoral researchers from diverse backgrounds, for example individuals from groups underrepresented in the biomedical research workforce at the faculty level, into independent, tenure-track or equivalent research-intensive faculty positions (see MOSAIC website).



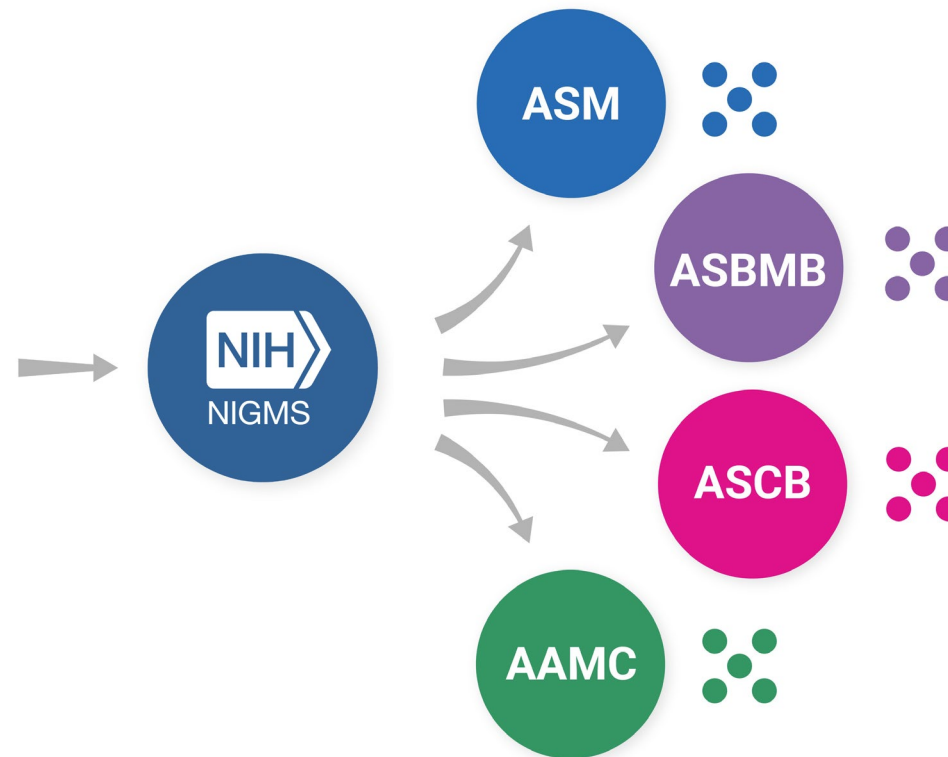
NIH MOSAIC Program Applicants

Postdoctoral Career Transition Award to Promote Diversity (K99/R00) – [PAR-21-271](#), [-272](#), and [-273](#)
Institutionally Focused Research Education Cooperative Agreement to Promote Diversity (UE5) – [PAR-21-277](#)

MOSAIC K99/R00 Applicants



MOSAIC K99/R00 Scholars Participate in Cohorts Organized by UE5



MOSAIC UE5 – Common Elements

- **Cohort Formation**
- **Skills Development**
 - Faculty search, lab management
 - Grant writing
 - Communication & scientific publishing
- **Mentoring and Networking**
- **Career Visibility & Enhancement**
- **Institutional Engagement**



[ASCB MOSAIC](#)



[ASBMB MOSAIC](#)



[AAMC MOSAIC](#)



[ASM MOSAIC](#)

MOSAIC Postdoctoral Career Transition Award to Promote Diversity (K99/R00)

[PAR-21-271](#)

[PAR-21-272](#)

[PAR-21-273](#)

MOSAIC K99/R00 NOFOs

- [PAR-21-271](#) - Independent Clinical Trial **Not Allowed**
- [PAR-21-272](#) - [Independent Clinical Trial](#) **Required**
- [PAR-21-273](#) - Independent [Basic Experimental Studies with Humans](#) **Required (BESH)**

★ *Not all NIH Institutes, Centers and Offices (ICOs) participate in each of these Announcements. Applicants should carefully note which ICOs participate in each announcement. ICOs that do not participate in this announcement will not consider applications for funding. Consultation with [NIH staff before applying](#) is **strongly encouraged**.*

MOSAIC K99/R00 Goal

- To facilitate a timely transition of promising postdoctoral researchers from diverse backgrounds from their mentored, postdoctoral research positions to independent, tenure-track or equivalent research-intensive faculty positions.
 1. K99 phase (postdoc): Up to two years of mentored research and career development
 2. R00 phase (faculty): Up to three years of independent research support
- The overarching goal of this program is to enhance the diversity of independent investigators conducting research within the NIH mission. **Institutions are strongly encouraged to identify candidates who will enhance diversity on a national basis** (for examples, see the [Notice of NIH's of Interest in Diversity](#)).

MOSAIC K99/R00 Considerations

– Rewarding Service

- It is widely recognized that scientists from underrepresented groups often assume disproportionate academic service and outreach loads, even during their training, and that these contributions to the research environment are generally not appropriately recognized and rewarded in the measures of career advancement (i.e., "the diversity tax").
- **The MOSAIC K99/R00 program seeks to support early career scientists with demonstrated and compelling commitments and contributions to enhancing diversity in the biomedical sciences.**

Examples of Contributions to Enhancing Diversity

- Organizer for #BlackInMicrobiology
- Organizational leadership to broaden participation (e.g., SACNAS chapter; scientific society EDIA committee)
- Develop podcast to highlight scientists from underrepresented groups
- Active mentor for undergraduate diversity enhancing program
- Program and departmental service to promote diversity (e.g., outreach trips to ABRCMS; organizing seminar series to promote diversity)



NIH strongly encourages applications from candidates previously supported by other training programs to promote diversity (such as diversity supplement, diversity F31 or F99/K00, institutional programs – MARC, RISE, PREP, IMSD, Bridges, BP BRAIN ENDURE)

MOSAIC K99/R00 Considerations

– Developmental Award

- Candidates are strongly encouraged to apply no later than the 3rd year of their postdoctoral training to ensure awardees receive maximum benefit from both the K99 phase of the award, and to facilitate a timely transition to independence.
- Because the program aims to support the career development of scholars early in their postdoctoral training, candidates who have not yet published a first-author manuscript during their postdoctoral training, but whose previous and current studies and future plans are likely to support a successful independent research career are encouraged to apply.
- An individual who cannot provide a compelling rationale for at least one year of additional mentored research career development at the time of award is not a strong candidate for this award.

MOSAIC K99/R00 – Eligibility

- Must have a clinical or research doctorate (e.g., Ph.D., M.D.).
- By the time of the award, must be a US citizen or permanent resident.
- Individuals must be in mentored, postdoctoral training positions to be eligible to apply to the K99/R00 program.
- Must have no more than 4 years of postdoctoral research experience as of the relevant application due date regardless of whether it is a New or Resubmission application.

MOSAIC K99/R00–Eligibility

- Only time dedicated to research activities counts toward the 4-year limit.
 - Parental, medical, or other well-justified leave for personal or family situations is not included in the 4-year eligibility limit, nor is clinical training with no research involvement (e.g., full-time clinical residency training).
 - Part-time postdoctoral research training, related to personal or family situations or occurring during a research residency or fellowship, will be pro-rated accordingly.
- One-year extension for childbirth within the eligibility window ([NOT-OD-20-011](#)).
- Applicants seeking an extension of the 4-year eligibility window **must** contact the relevant [Scientific/Research Contact](#) at least 12 weeks before submitting the application.

MOSAIC K99/R00 – Notable differences from the Parent K99/R00

MOSAIC K99/R00 – Required Attachments



1. **Diversity statement (1-page maximum).** The application must include a diversity statement from the candidate applying for the K99/R00 award (i.e., the postdoctoral researcher). Should include:

- A description of the individual's commitment to diversity in the biomedical sciences.
- Any **past or present leadership**, mentoring and outreach activities to enhance diversity – especially involving groups underrepresented in the biomedical research enterprise (e.g., certain racial/ethnic groups, persons with disabilities, students from disadvantaged backgrounds, women, and other groups as described in the NIH [Notice of Interest in Diversity](#)).
- Describe **planned activities** during the career award to develop or enhance skills in working effectively with talented scientists from a wide variety of backgrounds and to promote inclusive and equitable scientific biomedical research environments.

2. **Description of Candidate's Contribution to Program Goals**

- The sponsoring institution must provide a document on institutional letterhead that explains how the candidate's participation will further the goals of the career development program to promote [diversity](#) in health-related research.
- Must be dated and **signed by an institutional official**.

MOSAIC K99/R00 – Candidate Section

- “Describe how the activities provided by the MOSAIC Institutionally-Focused Research Education Award (UE5) will be integrated into career development activities available at the candidate's home institution to create synergies.”
 - [The American Society for Biochemistry and Molecular Biology](#) (ASBMB)
 - [The American Society for Cell Biology](#) (ASCB)
 - [The Association of American Medical Colleges](#) (AAMC)
 - [The American Society for Microbiology](#) (ASM)

MOSAIC K99/R00 Scholars – Typical UE5 Assignment

American Society for Cell Biology (ASCB)	American Society for Biochemistry and Molecular Biology (ASBMB)	Association of American Medical Colleges (AAMC)	American Society for Microbiology (ASM)
<ul style="list-style-type: none">• Cell biology• Developmental biology• Basic neuroscience	<ul style="list-style-type: none">• Chemistry, biochemistry, molecular biology• Structural biology• Biophysics	<ul style="list-style-type: none">• Minority health and health disparities• Clinically related studies• Population health• Social and behavioral science• Medical Technology	<ul style="list-style-type: none">• Microbiology and immunology
<u>ASCB Program Details</u>	<u>ASBMB Program Details</u>	<u>AAMC Program Details</u>	<u>ASM Program Details</u>


MOSAIC K99/R00 - Mentor

- Additional instructions for biosketch personal statement
 - Address record of maintaining a record of training in rigorous and unbiased experimental design;
 - Efforts taken to enhance diversity in the biomedical research workforce, and to ensure the research environment is inclusive, safe, and supportive for trainees and early career scientists from all backgrounds;
 - Commitment to fulfilling the need of the trainees to complete their training in a timely fashion with the skills, credentials and experiences to transition into independent careers in the biomedical research workforce.
- “The mentor must describe their willingness to participate in conferences organized by the MOSAIC Institutionally-Focused Research Education Award to Promote Diversity (UE5) to exchange ideas and employ evidence-based approaches to enhance diversity and improve mentoring relationships.”



MOSAIC K99/R00 – Institutional Environment

Description of Institutional Environment section must specifically address:

- Institutional career development resources and activities that will be available to contribute to the candidate's career development (e.g., an office of postdoctoral affairs, a seminar series for future faculty, etc.).
- Any institutional policies and practices that are expected to contribute to the candidate's research and career development success, such as policies and procedures to (a) promote diversity and inclusion in the research training environment, (b) ensure that the institution's facilities are accessible to those with disabilities, (c) foster a positive, supportive, and safe research and training environment, and (d) prevent discriminatory harassment and other discriminatory practices and to appropriately respond to allegations of such discriminatory practices, including providing any required notifications to NIH (e.g., requesting a change of PD/PI status; see [NOT-OD-15-152](#) and [NOT-OD-18-172](#))
- **Two-page limit** (longer than standard one page) 

MOSAIC K99/R00 - Review

- **REMINDER: be sure to comply with all NOFO instructions**
- Review groups managed by participating ICs
- Scored Review Criteria (each item gets a score)
 - Candidate
 - Career Development Plan/Career Goals and Objectives
 - Research Plan
 - Mentor(s), Co-Mentor(s), Consultant(s), Collaborator(s)
 - Environment & Institutional Commitment to the Candidate
- Additional Review Criteria (can impact final score)
 - Protections for Human Subjects, Inclusions, Vertebrate Animals, Biohazards
- Additional Review Considerations (not part of final score)
 - Resource Sharing Plans, Training in RCR, Select Agents, Authentications, Budget

Some differences
vs. other K99s

Insights from Review

- **Research Plan**

- Feasible research plan with clear hypotheses, expected results, and alternative approaches
- Aims should be related but not interdependent
- **Address both the mentored (K99) and independent (R00) phases**
- Statistical analysis (e.g., sample size, power analysis) and attention to relevant biological variables
- Easily understood by scientists in and outside of your specific area of research

Insights from Review (2)

- **Candidate**

- Track record and clear justification for additional career development (relative to career stage)
- Compelling commitment to diversity (for example, demonstrated track record, and future plans to promote diversity in the biomedical research enterprise)

- **Career Development Plan/Career Goals and Objectives**

- Clear career development needs (scientific and professional skills), and tailored plans to address those needs; must be shown in both mentor and PI training plans.
- Integration of the MOSAIC UE5 into career development plans

Insights from Review (3)

- **Mentor(s), Co-Mentor(s), Consultant(s), Collaborator(s)**
 - Tailored plan for candidate's career development and progression to independence
 - Clear separation / ownership of project going forward
 - Participation in UE5 component of the program
 - For plans with co-mentors, clearly delineate the contributions of the additional mentors, both scientifically and in career development
- **Environment & Institutional Commitment to the Candidate**
 - Commitment to the candidate's career development
 - Demonstrated efforts to promoting inclusive, safe and supportive scientific research environments

The entire application is reviewed — a rigorous research proposal is necessary but not sufficient

MOSAIC K99/R00 – Award Information

	K99 (Mentored Phase)	R00 (Independent Phase)
Total Costs	Varies by IC	Up to \$249,000 per year
Salary	Varies by IC	The independent phase institution will submit an application to be <u>administratively reviewed</u> on behalf of the candidate for the R00 award with detailed budget information
Research Support	Varies by IC	Included in total costs
Indirect Costs	8% of modified total direct costs	Consistent with extramural sponsoring institution's indirect cost rate

The NOFO [Award Information Section](#), and [MOSAIC FAQs](#)

MOSAIC K99/R00 – Timeline

	Cycle I	Cycle II	Cycle III
Application Due Date (non-AIDS)	February	June	October
Application Due Date (AIDS)	May	September	January
Scientific Merit Review	June/July	October/ November	February/ March
Advisory Council	September	January	May
Earliest Start Date	December	April	July

Use [standard due](#) dates for K99 applications

Hear from MOSAIC Scholars



Erica O'Brien, Ph.D.

Postdoctoral Scholar,
Pennsylvania State University

Incoming Assistant Professor,
University of Mississippi



Andrew Mendiola, Ph.D.

Postdoctoral Scholar, Gladstone
Institutes, University of California,
San Francisco

Incoming Assistant Professor,
University of California, San Diego



Chrystal Starbird, Ph.D.

Assistant Professor,
University of North Carolina

Erica O'Brien, Ph.D. (NIA)



- Postdoc: Pennsylvania State University
- Faculty: University of Mississippi
- MOSAIC Society: [AAMC](#)
- Project: [“Pathways Linking Negative Self-Views of Aging to Physical Activity in Daily Life: An Intensive Within-Person Approach”](#)
- Contributions to diversity:
 - Mentored multiple students through IMSD (“Excellence in Mentorship award”)
 - Outreach activities to training programs (e.g., McNair Scholars) and minority-serving institutions

Andrew Mendiola, Ph.D. (NINDS)



- Postdoc: Gladstone Institutes, University of California, San Francisco
- Faculty: University of California, San Diego
- MOSAIC Society: [ASCB](#)
- Project: “[Epigenomic regulation of oxidative stress-producing innate immunity in neuroinflammation](#)”
- Contributions to diversity:
 - Started and led mentoring program to support first year graduate students through NIGMS RISE program
 - Actively engaged in local and national societies (e.g., SACNAS)

Chrystal Starbird, Ph.D. (NIGMS)



- Postdoc: Yale University
- Faculty: University of North Carolina, Chapel Hill
- MOSAIC Society: [ASBMB](#)
- Project: “[The Structural Basis of TAM Receptor Oligomerization and Co-Receptor Interactions](#)”
- Contributions to diversity:
 - Founded Women in Science and Engineering Organization in graduate school
 - Co-founder and co-chair Yale Black Postdoctoral Association; Past Board Member, National Black Postdoctoral Association

MOSAIC K99/R00 Questions



Consult the [MOSAIC Answers to FAQs](#)

Extramural NIH Training Opportunities for Postdocs & Early Career Scientists

- [NIGMS Division of Training Workforce Development and Diversity](#)
- [NIH Career Development Awards \(K\) – including Parent K99/R00](#)
- [NIH Extramural Diversity Funding Opportunities](#)
- [Research Supplements to Promote Diversity](#)

NIH [Extramural Research Training Website](#)

NIH [Extramural Diversity Website](#)

**MOSAIC Institutionally-Focused
Research Education Award to
Promote Diversity
(UE5 - Clinical Trial Not Allowed)**

PAR-21-277

MOSAIC UE5 - Goal

- The MOSAIC UE5 program is designed to equip [MOSAIC K99/R00 scholars](#) with professional skills and provide them with the appropriate mentoring and professional networks to allow them to transition into, advance, and succeed in independent, tenure-track or equivalent research-intensive faculty careers.
- The current MOSAIC UE5 Awardees are:
 - [The American Society for Biochemistry and Molecular Biology](#) (ASBMB)
 - [The American Society for Cell Biology](#) (ASCB)
 - [The Association of American Medical Colleges](#) (AAMC)
 - [The American Society for Microbiology](#) (ASM) – **New**

MOSAIC UE5 - Responsiveness

- Awardee organizations must provide career development and mentoring activities *aligned with and appropriate for the disciplinary backgrounds* of scholars supported through the MOSAIC K99/R00 program.
- NIH will specify areas of programmatic need for each receipt date, reflecting the disciplinary backgrounds of the MOSAIC K99/R00 scholars, through a Notice of Special Interest to the MOSAIC UE5 announcement.
- Only applications aligned with these areas of need will be accepted for review.

MOSAIC UE5 – Responsiveness – Nov 2023 Receipt Date ★

- Applications must have a specific focus on providing robust and appropriate mentoring, skills building, networking and professional development in one or more of the following scientific areas of program priority:
 - **Neuroscience** related to basic, clinical and translational research, mental health and addiction.
 - Basic, clinical and translational **physiology and pathophysiology** of multiple human organ systems.
 - **Population health studies**, including health promotion, minority health and health disparities.

See [NOT-GM-23-004](#) for more details

MOSAIC UE5 - Approach

- Develop **cohorts** of MOSAIC K99/R00 scholars based on scientific areas;
- Provide opportunities for MOSAIC scholars to engage in **career development activities** that will foster their progression to and success in independent academic research careers (e.g., courses for skills development);
- Enhance the **scientific and professional networks** of MOSAIC scholars beyond their local institutions;
- Identify and connect scholars with **additional mentors** who can facilitate appropriate career advancement;
- Track and publicize **outcomes** (e.g., publicly available websites).

MOSAIC UE5 – Goal (2)

- ***Courses for Skills Development:*** Support for short courses designed to enhance skills of cohorts of [MOSAIC K99/R00 scholars](#) to transition into and advance within independent academic research careers, such as:
 - Academic job search strategies
 - Communication skills and scientific publishing
 - Grant proposal preparation
 - Laboratory management, budgeting, hiring, mentoring
 - Managing career challenges and expectations
 - Academic advancement, and balancing teaching, research, and service
 - Life-work balance

MOSAIC UE5 – Goal (3)


- ***Mentoring Activities***

- Formation of **cohesive and mutually supportive cohorts** of MOSAIC K99/R00 scholars that span the K99 to R00 award phases.
- **One-on-one and group mentoring** in scientific, professional and career development skills and strategies for the cohorts of MOSAIC K99/R00 scholars.
- Activities to **enhance the mentoring networks of MOSAIC scholars** that prepare them to successfully navigate the challenges and opportunities the challenges and opportunities associated with a faculty career in academic research-intensive institutions.
- Activities to **enhance the caliber of mentoring and institutional support of MOSAIC K99/R00 scholars** (for example, orienting mentors to MOSAIC program and sharing information about improving mentoring practices).

MOSAIC UE5 - Considerations

- Applicants are expected to identify **objectives** (i.e., specific, measurable, and obtainable outcomes the program intends to achieve) and to develop plans to implement evidence-informed skills development and mentoring activities that are grounded in the literature and from evaluations of existing relevant programs.
- Funded MOSAIC research education awards should address the career needs of scholars in **both** the mentored postdoctoral research phase (K99), and independent research phase (R00).
- Program activities should build upon the **strengths and assets** of MOSAIC K99/R00 scholars and should not reflect deficit-models (i.e., those that focus primarily on remediation of perceived weaknesses) of career development.

MOSAIC UE5 – Eligibility (Organization)

- Eligible Organizations:
 - Nonprofits other than institutions of higher education
 - **Higher Education Institutions – New** (see [NOT-GM-23-005](#)) 
 - Multiple organizations can partner for a MOSAIC UE5 application, with one organization serving as Primary Performance Site Location. If multiple organizations partner for an UE5 application, follow all instructions for Consortium/Contractual Arrangements in the [SF424 \(R&R\) Application Guide](#).

MOSAIC UE5 – Eligibility (Organization) (2)

- Applications are encouraged from organizations composed of biomedical researchers (e.g., scientific societies, academic institutions) capable of providing skills development, mentoring and networking to MOSAIC K99/R00 scholars conducting research in the areas of program need specified in the Notice of Special Interest, and that have:
 - Experience serving as a centralized entity to enhance scientific communication and networking among scientists conducting research;
 - An established record of providing professional development and networking activities for the future biomedical researchers;
 - A demonstrated commitment to enhancing the diversity of the biomedical research workforce, for example, individuals from underrepresented groups; and
 - The resources to support the proposed program, e.g., the provision of adequate staff, facilities, and educational capacity.

MOSAIC UE5 is meant to serve scholars from across the Nation


MOSAIC UE5 – Eligibility (PI)

- PD(s)/PI(s) are expected to be full-time employees of the applicant organization. The PD(s)/PI(s) should have appropriate professional experience in the scientific area in which the application is targeted and be capable of providing both administrative and training leadership to the development and implementation of the proposed program.
 - *Does not have to be an active NIH-funded researcher*
- Faculty members who are full-time employee of an academic institution can serve as a PD/PI (**New - see [NOT-GM-23-005](#)**)


MOSAIC UE5 – Participants

- NIH MOSAIC K99/R00 scholars are the participants for MOSAIC UE5 programs supported through this NOFO.
- Each UE5 recipient will be assigned a cohort of approximately **ten** MOSAIC scholars each year, and these scholars will have staggered start dates (that is, up to three times per year or after each advisory council round).
- The scholars are expected to participate in the UE5 activities for the entirety of their K99 and R00 awards. Thus, it is expected that each UE5 will grow to support approximately 50 scholars by the fifth year of the award.

MOSAIC UE5 – Research Strategy

- Consult the [NOFO](#) for details
 - Proposed Research Education Program should cite relevant data/report resources in preparing application (for example, activities for addressing psychosocial and environmental factors associated with persistence).
 - Describe the short-, medium-, and long-term goals for participants that the activities are designed to address, and how these outcomes will be measured
 - Should include description of organizational setting and current efforts to enhance workforce diversity, cohort formation and activities, courses for skills development, mentorship, and conferences.
 - ***Describe how the proposed program aligns with the areas of  programmatic need described in the [Notice of Special Interest](#).***

MOSAIC UE5 – Research Strategy (2)

- “Describe plans to ensure activities will synergize with, but not duplicate the institutional career development plans developed by the MOSAIC scholars.”
 - *NIH anticipates that many of the activities proposed by UE5 will be distinct from career development at institution.*
 - *Clearly describe how you will identify any potentially duplicated activities and adjust offerings for MOSAIC scholar.*
- **Applications lacking the following components of Research Education Program Plan will not be reviewed:**  recruitment plan to enhance diversity; plan for instruction in methods for enhancing reproducibility; plan for instruction in the responsible conduct of research; evaluation plan; dissemination plan.

MOSAIC UE5 – Other Requirements



- **Attachment - Advisory Committee.**
- **Letter of Support - Organizational Commitment. (Three page maximum)**
- **Applications lacking either an advisory committee attachment or organizational commitment letter will not be reviewed.**

MOSAIC UE5 – Review

- **REMINDER: be sure to comply with all NOFO instructions**
 - NIGMS Scientific Review Branch will manage reviews
 - Scored Review Criteria (each item gets a score)
 - Significance
 - Investigator(s)
 - Innovation
 - Approach
 - Environment
 - *Additional Review Criteria*
 - Recruitment Plan to Enhance Diversity, Training in Methods for Enhancing Reproducibility, Training in RCR
 - Others (e.g., protection for human subjects) – generally not applicable
 - Additional Review Considerations (not part of final score)
 - Resource Sharing Plans, Budget
- Pay special attention to “Specific for this FOA” criteria

Insights from Review

- **Significance**

- Clearly detailed opportunities for skill development, enhanced mentoring and professional networking.

- **Investigator(s)**

- Convincing evidence of PD(s)/PI(s) commitment to enhancing diversity in the biomedical workforce.
- Solid plans for recruiting participating faculty come from diverse backgrounds.

- **Environment**

- Prior history with other relevant programs demonstrating that the applicant organization can successfully achieve the goals of MOSIAC.
- Evidence that the organization's membership base is sufficiently large and diverse enough to support the MOSIAC program.

Insights from Review (cont'd.)

- **Approach**

- Convincing plans for professional development of K99/R00 scholars.
- Evidence for scientific strength of the organization's membership and [alignment with program need.](#)
- Convincing plans that proposed activities will enhance community among MOSAIC scholars
- Appropriate plans and measurable objectives for evaluating effectiveness of proposed activities.
- Plans for engaging institutional leaders where MOSIAC scholars will conduct research to improve mentoring and career development activities.

MOSAIC UE5 – Award Information

Category	Budget Information
Award Budget	Limited to \$500,000 per year in direct costs, excluding consortium F&A costs. Budgets should reflect the fact that the number of MOSAIC scholars is expected to grow through time (e.g., 10 scholars in year one and ~ 50 scholars in year five).
Award Project Period	Five years
Personnel	Individuals designing, directing, and implementing the research education program may request salary and fringe benefits appropriate for the person months devoted to the program.
Participant Costs	<ul style="list-style-type: none">NIH MOSAIC K99/R00 scholars receive educational experiences supported by an UE5 program but may not receive salary or stipend supplementation from the UE5 program.Funds may be requested for the travel of MOSAIC scholars to UE5 activities.
Other Program-Related Expenses	May be included in budget. Limited program evaluation costs are allowed up to a maximum of 5% of direct costs per year for the 5-year project period.
Indirect Costs	8% of modified total direct costs

See [Funding Opportunity](#) and [NOT-GM-23-016](#) for more details

MOSAIC UE5 – Cooperative Agreement

- Cooperative Agreement: A support mechanism used when there will be substantial Federal scientific or programmatic involvement.
- Substantial involvement means that, after award, NIH program staff will assist, guide, coordinate, or participate in project activities.
- Specifics of the substantial involvement are delineated in Section VI.2 of the NOFO under “Cooperative Agreement Terms and Conditions of Award”

MOSAIC UE5 – Cooperative Agreement (2)

- NIH's purpose is to support and stimulate the recipients' activities by involvement in and otherwise working jointly with the award recipients in a partnership role
- NIH's purpose is not to assume direction, prime responsibility, or a dominant role in the activities
- The dominant role and prime responsibility resides with the awardees for the project as a whole, although specific tasks and activities may be shared among the awardees and the NIH
- See Section VI.2 of the NOFO for the specifics of the primary responsibilities of the PI(s), the substantial programmatic involvement of NIH staff, the areas of joint responsibility, and how any disputes will be resolved

MOSAIC UE5 – Timeline

- Application Due Date: November
- Scientific Merit Review: February/March
- Advisory Council: May
- Earliest Project Start Date: July
- MOSAIC Scholar Assignment: September

MOSAIC UE5 Questions



Consult the [MOSAIC Answers to FAQs](#)

For more information

NOFOs

- UE5 ([PAR-21-277](#)) and K99/R00 ([PAR-21-271](#), [PAR-21-272](#), or [PAR-21-273](#))

MOSAIC Resources

- MOSAIC [Website](#) and [FAQs](#)

NIGMS Contacts

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