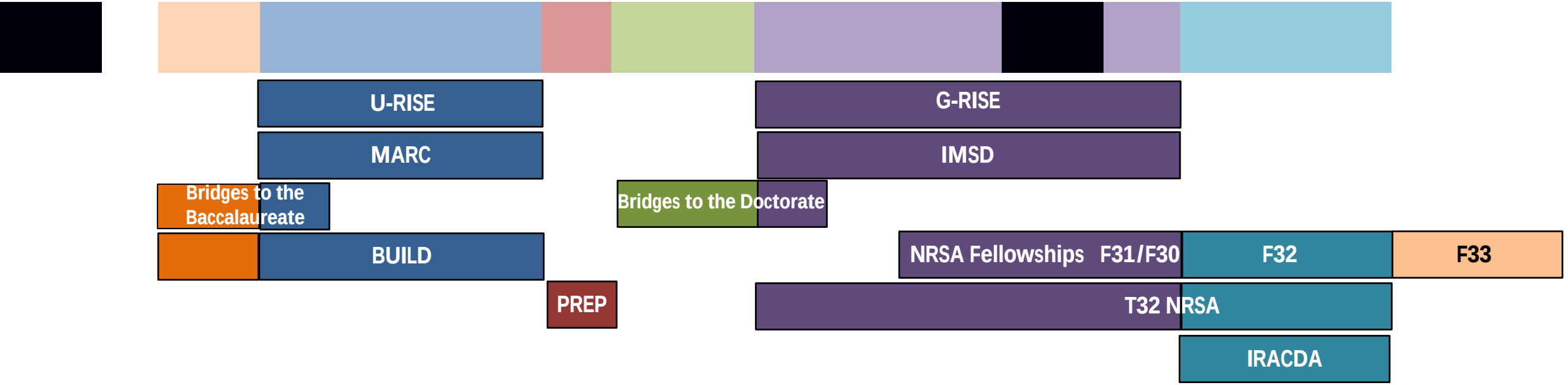
Training, Workforce Development, and Diversity (TWD) Programs

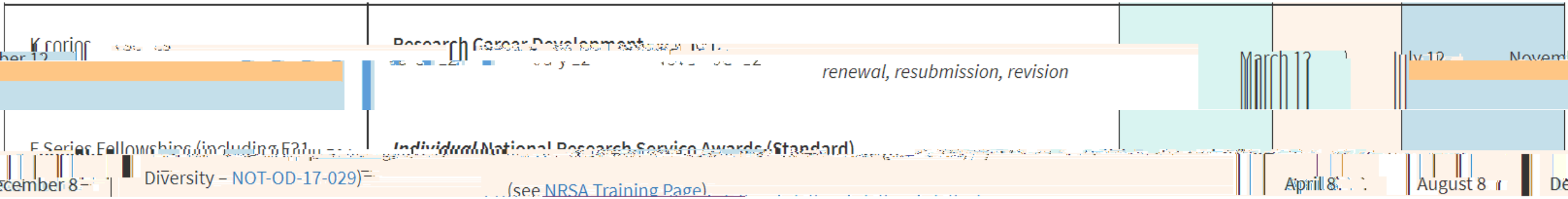


Visit the NIH Webpage for Parent FOAs

https://researchtraining.nih.gov/programs

Read nding Announ

Keep in mind the deadlines: 1-3 per year



Getting started with an individual award – Are you ready?

Do you have:

- A research sponsor?
- A feasible scientific project that addresses a need or barrier in biomedicine?
- Strong training potential in the current research environment?
- Plans for a career as a research scientist?

- Part of NIH’s efforts to enhance diversity within the academic biomedical research workforce
- Supports transition from predoctoral research training to postdoctoral research and career development
  - F99: 1-

Advancing Research Careers (ARC)

ARC F99/K00

ARC F99/K00 scholars participate in cohorts managed by UE5 recipients

Advancing Research Careers (ARC)

Institutionally-Focused Research Education Award (UE5): PAR-23-221

Predoctoral to Postdoctoral Transition Award to Promote Diversity (F99/K00): PAR-23-222

- UE5 due date: January 29, 2024 (annual)
- F99 due date: June 13, 2024 (3/year)

Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (Parent F31-Diversity)

Individualized, mentored research training from outstanding faculty sponsors while conducting well-defined research projects in scientific health-related fields relevant to NIGMS.

Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) – NIGMS FOA

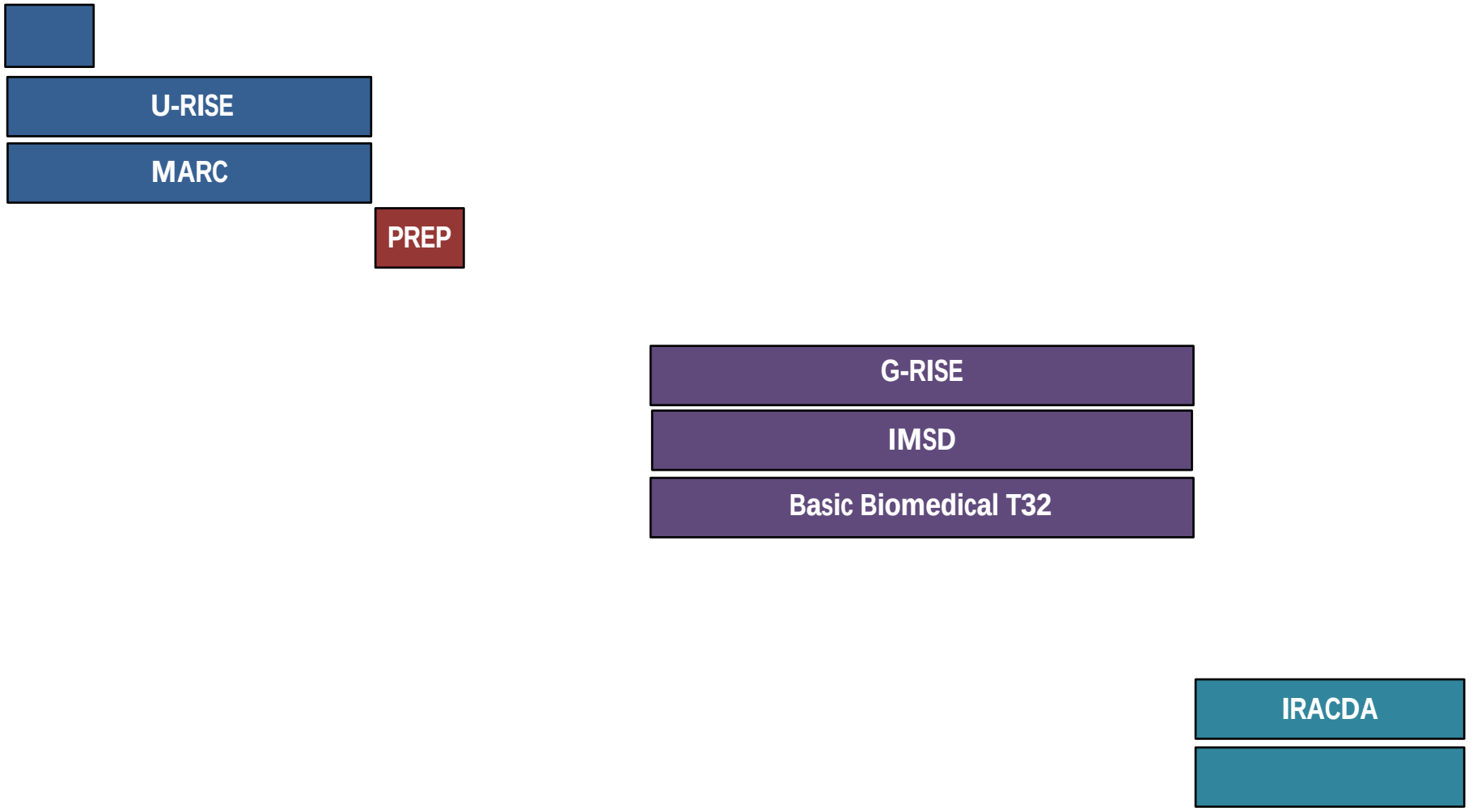
Postdoctoral Career Transition Award to Promote Diversity (K99/R00)
Institutionally Focused Research Education Cooperative Agreement to Promote Diversity (UE5)

MOSAIC K99/R00
Applicants Compete

MOSAIC K99/R00 Scholars
Participate in Cohorts
Organized by UE5

https://www.nigms.nih.gov/training/careerdev/Pages/MOSAIC.aspx

NIGMS Loan Repayment Program (LRP)


U-RISE
MARC
PREP
G-RISE
IMSD
Basic Biomedical T32
IRACDA

All NIGMS Training Programs Should -

Focus on technical, operational and professional skills development
Promote rigor and reproducibility in research
Teach the responsible and safe conduct of research
Promote diversity, equity and inclusion
Encourage inclusive, safe, and supportive research environments
Use evidence-informed educational and mentoring practices
Employ cohort-building activities and interventions that enhance the trainees' science identity and self-efficacy

All NIGMS Training Programs Should -

Have str ong institutional support
Encourage program leadership to have complementary expertise
Build a diverse faculty cohort with a strong commitment to training and mentoring
Display coordinated interactions and synergies with other NIGMS-funded training

Institutional National Research Service Awards (NRSA) T34/T32

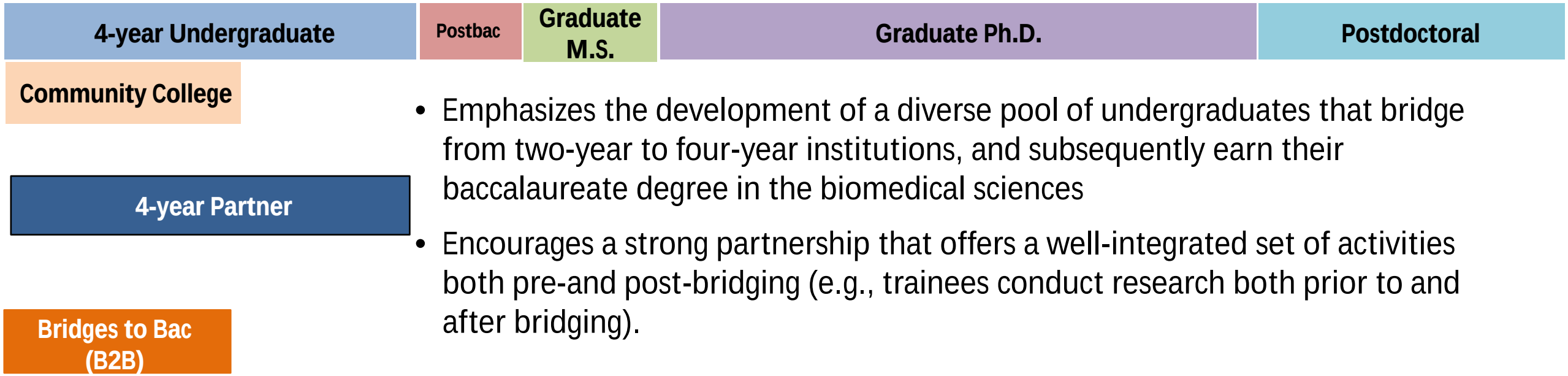
Provide

- Student stipends to defray costs of living
- Tuition remission
- Training related expenses
- Indirect costs (8%)

PreK – 12, Undergraduate, & Postbac Programs

Interactive partnerships between biomedical/clinical researchers and pre-kindergarten to grade 12

Bridges to the Baccalaureate (T34)



- Emphasizes the development of a diverse pool of undergraduates that bridge from two-year to four-year institutions, and subsequently earn their baccalaureate degree in the biomedical sciences
- Encourages a strong partnership that offers a well-integrated set of activities both pre-and post-bridging (e.g., trainees conduct research both prior to and after bridging).
-

Maximizing Access to Research Careers (MARC)
Undergraduate Research-Training Initiative for Student Enhancement (U-RISE)

MARC	Institutions ≥ $7.5 million research project grants (RPG)
U-RISE	Institutions < $7.5 million research project grants (RPG)

- Goal is to develop a diverse pool of undergraduates who complete their baccalaureate degree, and transition into and complete biomedical, research-focused higher degree programs (e.g., Ph.D. or M.D./Ph.D.).
- Trainee Support for 1-33

Postbaccalaureate Research Education Program (PREP) (R25)

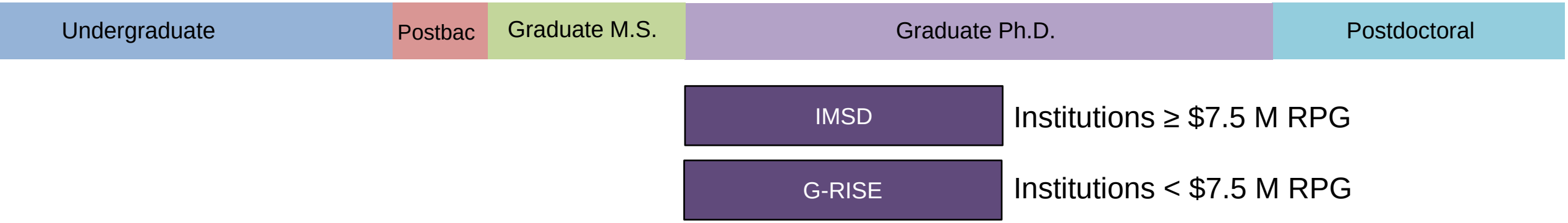
The goal is to develop a diverse pool of well-trained postbaccalaureates who will transition into and complete rigorous biomedical, research-focused doctoral degree programs (e.g., Ph.D. or M.D./Ph.D.) in biomedical fields relevant to the NIGMS mission.

Applications due in January

Programs for Master's and Predoctoral Trainees

- Encourage a strong partnership that offers a well -integrated set of activities both pre -and post -bridging
- Reduce the time to Ph.D. degree (e.g., with effective skill-building activities and course credit agreements)
- Enhance the research efforts of the faculty at the master’s degree granting institution through inter-ins titutional efforts

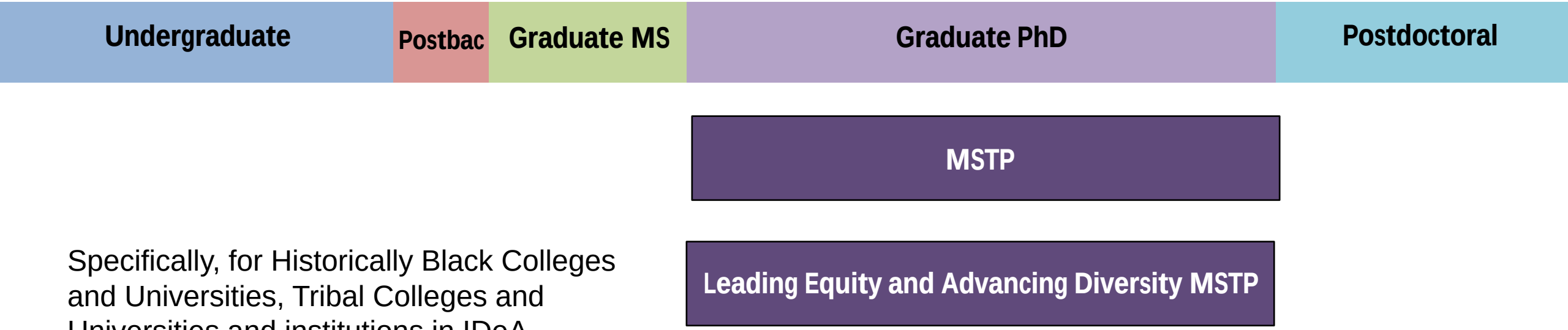
Diversity Enhancing Graduate Diversity Training Programs (T32)



- Emphasize the development of a diverse pool of scientists earning a Ph.D., who have the skills to successfully transition into careers in the biomedical research workforce.
- Trainee Support for 2-

Medical Scientist Training Programs (MSTP)

Goal is to to develop a diverse pool of highly trained clinician-scientist leaders available to meet the nation's biomedical research needs



Specifically, for Historically Black Colleges and Universities, Tribal Colleges and Universities and institutions in IDeA

Institutional Programs for Postdoctoral Trainees and Scholars

Institutional Research and Academic Career Development Award (IRACDA) (K12)

- IRACDA supports postdoctoral training to prepare for independent research and teaching careers in academia
- Postdoctoral scholars have a research and teaching mentor
- Scholars split time doing research (75%) and in the classroom (25%) at the partner institution

Applications due in October