

Enhancing Institutional Data Science Capacity

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Training, Workforce Initiatives, and Community Engagement (TWICE)

NIH Office of Data Science Strategy (ODSS)





NIH's interest and commitment to workforce development among underrepresented minority groups

NIH's Notice of Interest in Diversity

NIH's Notice of Interest in Diversity (<u>NOT-OD-20-031</u>) identifies groups underrepresented in the biomedical, clinical, behavioral, and social sciences, including **women** and:

Race/Ethnicity

- Blacks or African Americans
- Hispanics or Latinos
- American Indians or Alaska Natives
- Native Hawaiians and other Pacific Islanders

Disability

 Physical or mental impairment that substantially limits one or more major life activities

Disadvantaged Background

- Homeless
- Foster care system
- First generation w/ Bachelor's degree
- Federal Pell Grants
- SpecialSupplementalNutrition Program
- Rural or low income/access areas

NIH Research Training and Career Development **Programs**

National Institutes of Health Research Training and Career Development Division of Biomedical Research Workforce

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About DBRW

Career Path

Programs

Institute/Program Matrix

Resources

NIH programs help to prepare the skilled, creative and diverse biomedical research workforce of tomorrow



Undergraduate and Postbaccalaureate Education

Predoctoral Training/Clinical Doctorate

Postdoctoral Training/Clinical Residency

Early Research Career

Development and Mentoring

Recent Funding Announcements

International Research Scientist Development Award (IRSDA) (K01) Independent Clinical Trial Not Allowed of

Jan 22, 2024

International Research Scientist Development Award (IRSDA) (K01 Independent Clinical Trial Required) &

Jan 18, 2024

NIDA Mentored Clinical Scientist Development Program Award in Substance Use and Substance Use Disorder Research (K12 Clinical Trial Optional) of

Jan 3, 2024

Dec 21, 2023

NIDDK Education Program Grants (R25 Clinical Trial Not Allowed) of new

NIH Research Training and Career **Development Programs**

NIH programs help prepare individuals for careers in biomedical, behavioral, social, and clinical research.

- Learn more about how NIH Institutes and Centers may vary in research and training
- Contact NIH extramural research training representatives to discuss how specific programs fit your training and
- Explore this website for resources for training program leaders and individuals seeking research support at various career stages.

Research Career Pathways

Interactive guides describe NIH programs and links to support training and career development of biomedical

- Physician-Scientist Infographic
- · Veterinarian-Scientist Infographic
- Dentist-Scientist Infographic
- Research-Scientist Infographic

CAREER DEVELOPMENT

RESEARCH TRAINING KIOSK

FELLOWSHIP KIOSK

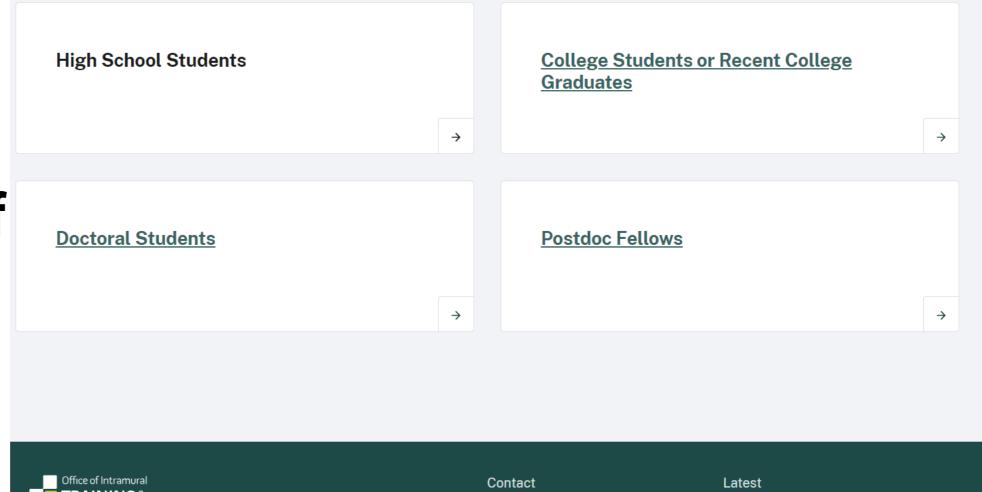
OTHER TRAINING-RELATED

EXTRAMURAL DIVERSITY KIOSK

https://researchtraining.nih.gov/

Programs by educational level





https://www.training.nih.gov/research-training/

oite@nih.gov

301-496-2427

OITE on YouTube

OITE blog

SEARCH



About the Clinical Center

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Office of Clinical Research Training and Medical Education

News & Events

Staff Directory

Back to: Home > Office of Clinical Research Training and Medical Education

Training the Next Generation

The NIH Clinical Center offers training to help prepare the next generation of translational and innovative programs include postbaccalaureate fellowships. clinical elective rotations, medical student research programs graduate medical education, and continuing medical education.

An interactive virtual tour of the NIH Clinical Center is available.







For Students

- Summer Internships
- · Medical Research Scholars Program
- Clinical Electives Program

For Recent Graduates

Postbac Program

For Residents/Fellows

- Graduate Medical Education
- Elective Rotations
- Clinical Fellows Corner
- Loan Repayment Program
- FDA Rotation for NIH Fellows PDF

Staff and Professionals Educational Opportunities

- Continuing Medical Education
- Responsible Conduct of Research Training
- Other NIH Educational Resources

NIH Clinical Center Department Fellowships and Opportunities

Bioethics Fellowship Opportunities

Critical Care Medicine - Fellowship Opportunities for Physicians

Critical Care Medicine - Other Professional Opportunities

Imaging Sciences Training Program

Laboratory Medicine - Fellowship Programs

Nursing - Professional Opportunities

Nutrition - Dietetic Internship Program

Pharmacy - Training Programs

Social Work - Education and Training

Transfusion Medicine - Education and Training

NIH-Wide Training Opportunities

Courses in Clinical Research - NIH Office of Clinical Research NIH-Duke Master's Program in Clinical Research 12 Research Training and Career Development - NIH Office of Extramural Research Training Opportunities - NIH Office of Intramural Training and Education

OCRTME News and Contacts

Research **Training and** Medical Education

NIH Office of

Clinical

https://www.training.nih.gov/research-training/

Core Competencies considered to be important in healthcare, research, and research-related careers

Core Competencies in Careers

- Career readiness
- Ethics and responsible conduct
- Leadership and management
- Communication
- Teaching and mentoring
- Well-being and resilience

Career readiness

Knowing how to explore educational and career paths in your field, gain necessary credentials, prepare application materials, and interview for positions.

Communication

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Developing oral and written communication skills and the ability to adjust your communication for experts and non-experts.

Ethics and responsible conduct

Understanding ethical behavior in research and in interpersonal relationships and staying informed about the rules, rights, and responsibilities now and in your chosen career.

Teaching and mentoring

Learning teaching and mentoring skills useful within your research group, the classroom, and other educational settings.

Leadership and management

Being an inspiring and supportive leader on research and other teams, includes cultivating talent of diverse individuals and supporting principles of diversity, equity, and inclusion.

Well-being and resilience

Learning to manage your stress and handle setbacks in helpful ways and developing the ability to support the wellbeing and resilience of others.



https://www.training.nih.gov/skills/

Social and Emotional Self-efficacy in Employment

Social Self-Efficacy

 Social self-efficacy tends to be referred to the capability of an individual to respond proficiently during interpersonal circumstances.

Emotional Self-Efficacy

 Emotional self-efficacy is believed to be one's ability to survive with negative emotions.

Armum, P., & Chellappan, K. (2016). Social and emotional self-efficacy of adolescents: measured and analysed interdependencies within and across academic achievement level. *International Journal of Adolescence and Youth*, 21(3), 279-288. https://doi.org/10.1080/02673843.2015.1067894

ODSS Training, Workforce Initiatives, and Community Engagement (TWICE) Team and Contact



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Evelyn BotchwayProgram Analyst



Nicholas Andrade Training Specialist

- Contact: ds-workforce@nih.gov
- ODSS webpage: https://datascience.nih.gov/
- Data science funding opportunities: https://datascience.nih.gov/research-funding
- Repositories for sharing scientific data: <a href="https://sharing.nih.gov/data-management-and-sharing-policy/sharing-scientific-data/repositories-for-sharing-scientific-data/policy/sharing-scientific-data/repositories-for-sharing-scientific-data/policy/sharing-scientific-data
- Data science job opportunities at NIH (federal): https://datascience.nih.gov/jobs