National Institutes of Health
Office of Data Science Strategy

Enhancing Institutional Data Science Capacity

Raphael D. Isokpehi, PhD

Training, Workforce Initiatives, and Community Engagement (TWICE)

NIH Office of Data Science Strategy (ODSS)

February 2, 2024

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 (NOT-OD-20-031) 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

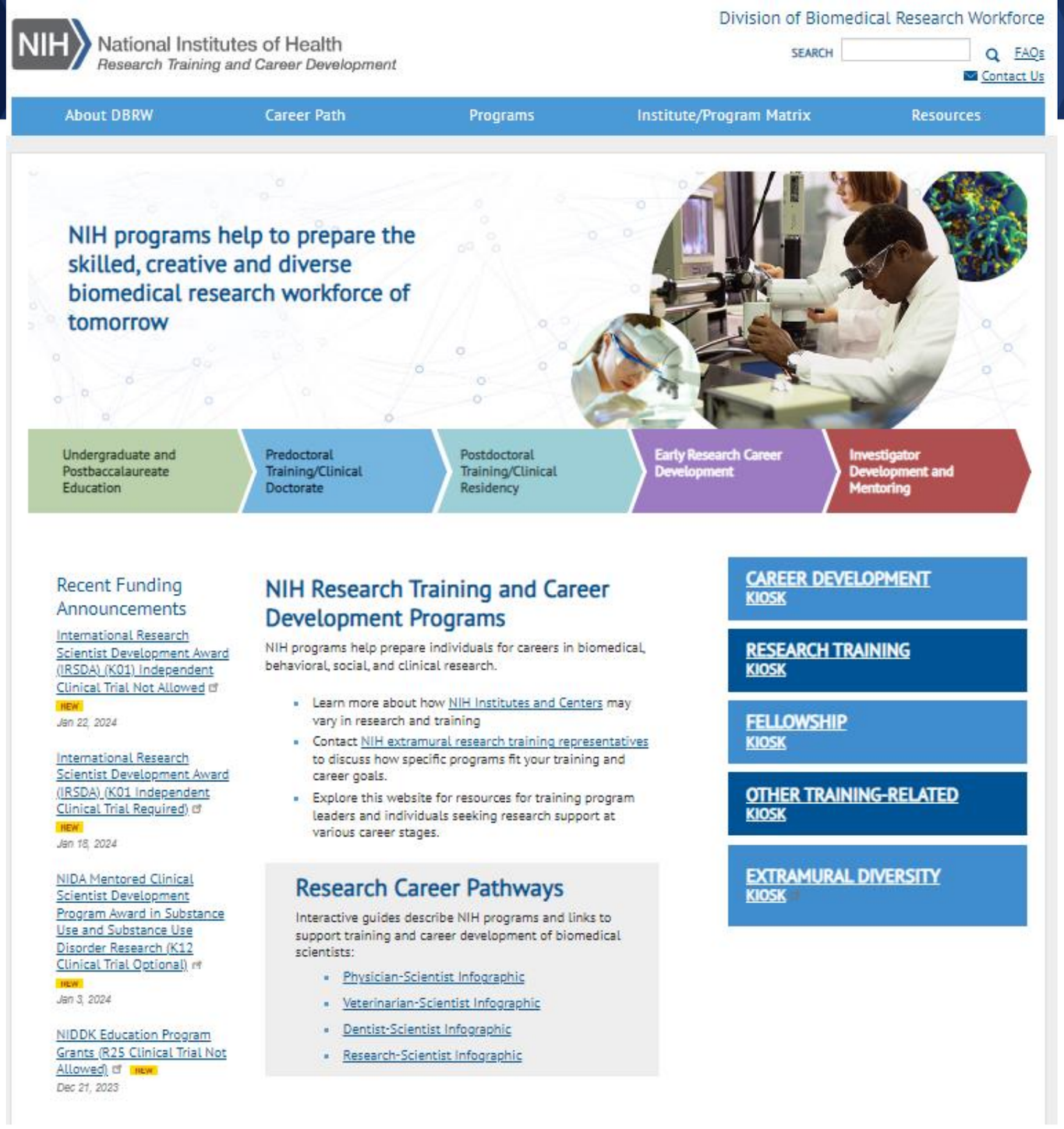
- Physical or mental impairment that substantially limits one or more major life activities

Disadvantaged Background

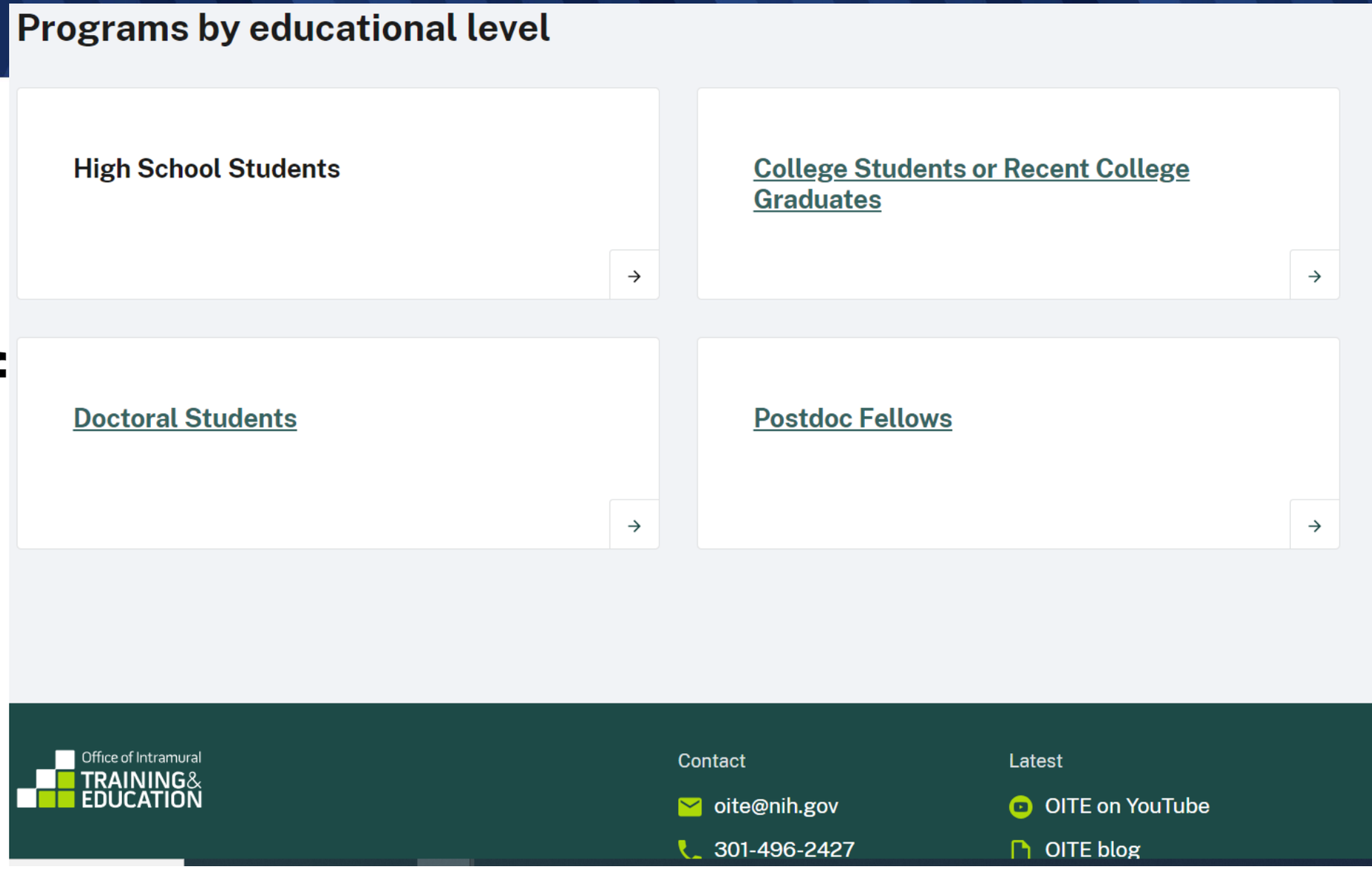
- Homeless
- Foster care system
- First generation w/ Bachelor's degree
- Federal Pell Grants
- Special Supplemental Nutrition Program
- Rural or low income/access areas

NIH Research Training and Career Development Programs

https://researchtraining.nih.gov/



NIH Office of Intramural Training & Education



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

NIH Office of Clinical Research Training and Medical Education

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

NIH Clinical Center
America's Research Hospital

Search the Site SEARCH

Contact us | Site Map | Staff Only

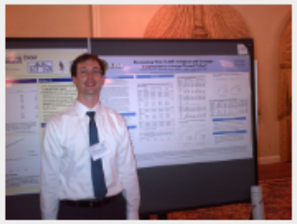
About the Clinical Center | Search the Studies | Patient Information | Education & Training | Researchers & Physicians | News & Events | Staff Directory

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 clinician scientists. The innovative programs include summer internships, 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.



Office of Clinical Research Training and Medical Education

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

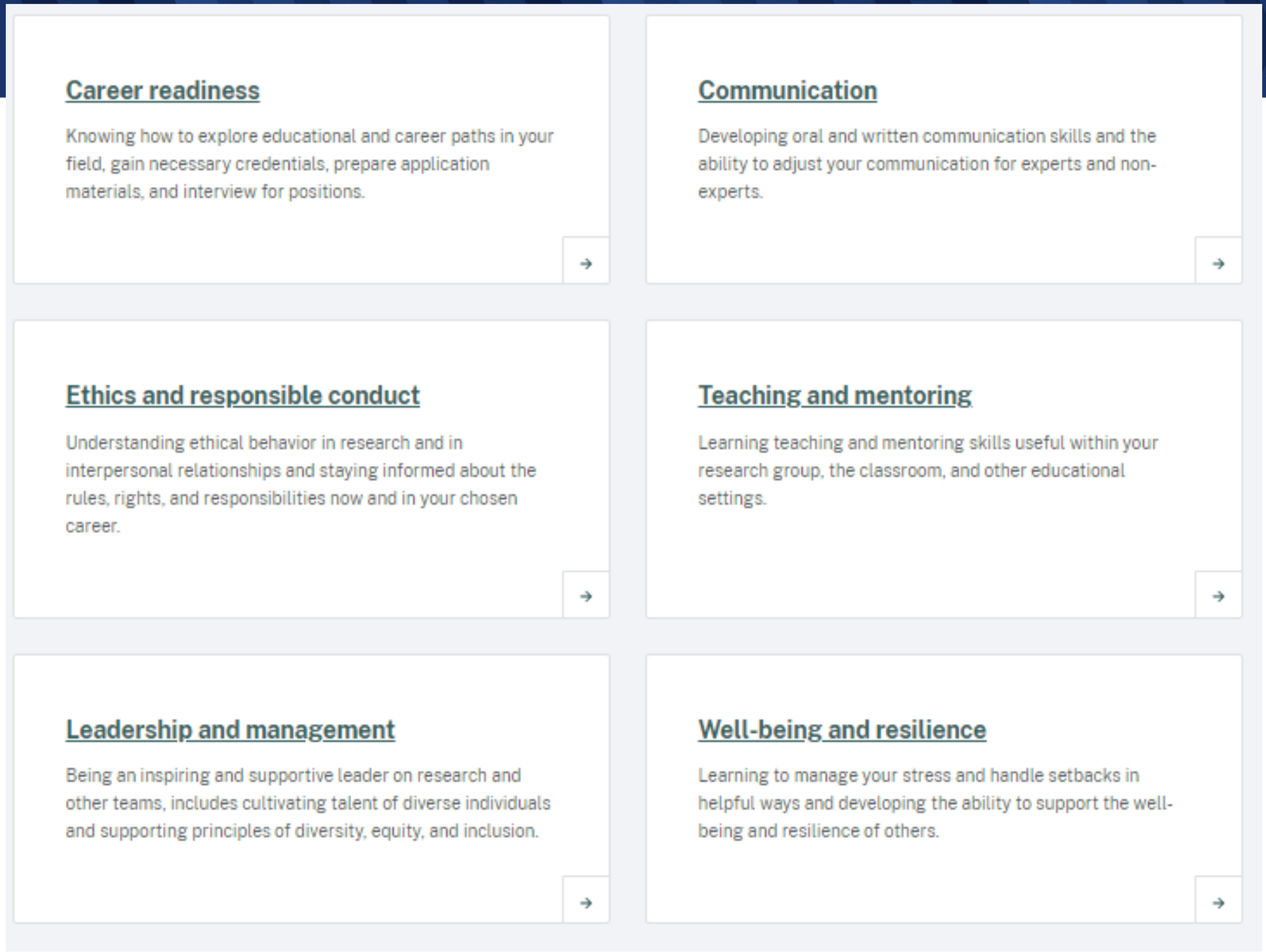
Courses in Clinical Research - NIH Office of Clinical Research
NIH-Duke Master's Program in Clinical Research
Research Training and Career Development - NIH Office of Extramural Research
Training Opportunities - NIH Office of Intramural Training and Education

OCRTME News and Contacts

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



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.

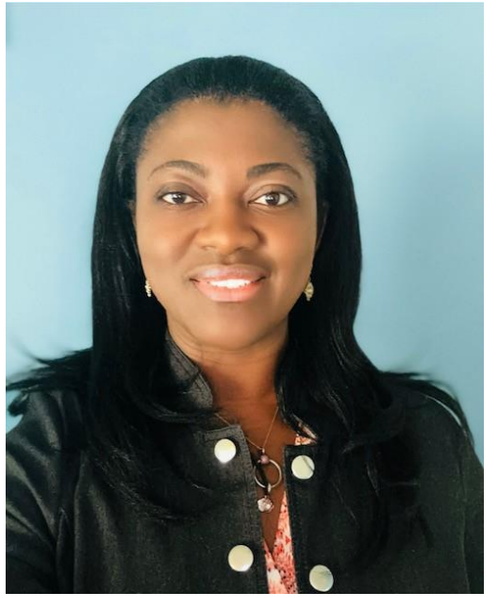
Armum, P., & Chellappan, K. (2016). Social and emotional self-efficacy of adolescents: measured and analysed interdependencies within and across academic achievement level. *International Journal of Adolescence and Youth*, *21*(3), 279-288. https://doi.org/10.1080/02673843.2015.1067894

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

Dr. Alison Lin
Lead

Dr. Raphael Isokpehi
Program Director

Dr. Bryan Kim
Program Director



Evelyn Botchway
Program 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**: https://sharing.nih.gov/data-management-and-sharing-policy/sharing-scientific-data/repositories-for-sharing-scientific-data
- **Data science job opportunities at NIH (federal)**: https://datascience.nih.gov/jobs