

https://aim-ahead.net/ResearchFellows

Application Preparation Workshop

- Introduction
- What to expect as you start the application process
- Research proposal ideas
- Developing your bio-sketch
- Planning and preparing the budget
- What to expect post-application submission





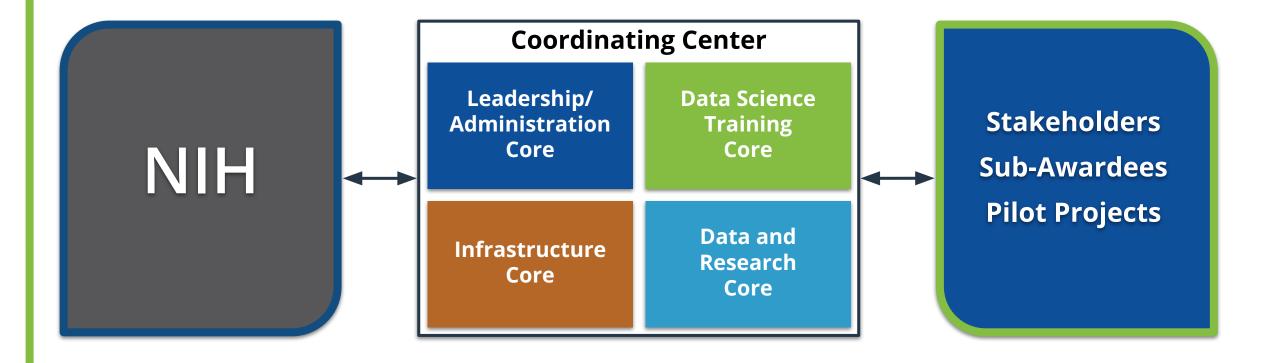
Artificial Intelligence/ Machine Learning Consortium to Advance Health Equity and Researcher Diversity

Underrepresented communities have untapped potential to contribute new expertise, data, recruitment strategies, and cutting-edge science to the AI/ML field. This program seeks to **increase the participation and engagement** of the researchers and communities that are currently underrepresented in AI/ML modeling and applications through mutually beneficial partnerships.

The AIM-AHEAD Coordinating Center's initial charge is to build a consortium of partners and engage with stakeholders. This planning, assessment and capacity building award will identify priority research aims in health equity and AI/ML, as well as the training and infrastructure needed to support these.



AIM-AHEAD Consortium







Research Fellows Program

AIM-AHEAD Research Fellows Program



Director: Paul Avillach, MD, PhD



co-Director: Anisha Abdul-Ali DNP, MPH, RN



co-Director: **Gloria Washington, PhD**



Project Manager: Jessica Lyons, MSc



Research Enterprise Solutions Director Lavi Vishwanatha, BS Electrical Engineering, MS Computer Science, ITIL, Agile-Scrum, PMP **AIM-AHEAD** Coordinating Center



Toufeeq Ahmed, PhD **AIM-AHEAD** Connect

Katie Stinson, MLIS **Communications Director** AIM-AHEAD

Coordinating Center



Ryan Kober, MA Associate Director, **Program Management** AIM-AHEAD **Coordinating Center**



Annie Mathew, MBA Associate Director. **Program Management** AIM-AHEAD **Coordinating Center**



AIM-AHEAD Research Fellows Program

- Engage a group of 20 early-career researchers
- from under-represented populations
- actively participate in biomedical research that involves the use of AI/ML methodologies
- Electronic Health Record Data.



AIM-AHEAD Research Fellows Program

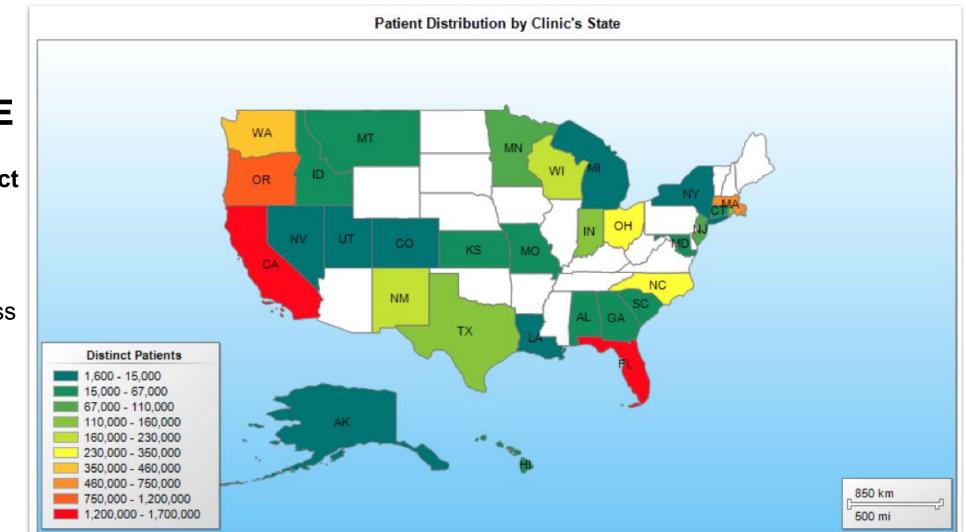
- AIM-AHEAD Research Fellows cohort # 1 (start date September 1st, 2022)
- Only limited access to AIM-AHEAD **data**, (OCHIN'S ADVANCE EHR) **infrastructure** (Centralized cloud computing environment), and **training** will be made available starting in Q2 or Q3 2022.
- Each Fellow will be matched to an **AIM-AHEAD mentor**
- Each Fellow can also bring in an **Institutional mentor**
- Stipend for each Fellow
- FAQ and help desk
- As the AIM-AHEAD consortium develops, more **data**, **infrastructure** and **training** will be made available to the fellows.



Data made available

EHR ADVANCE

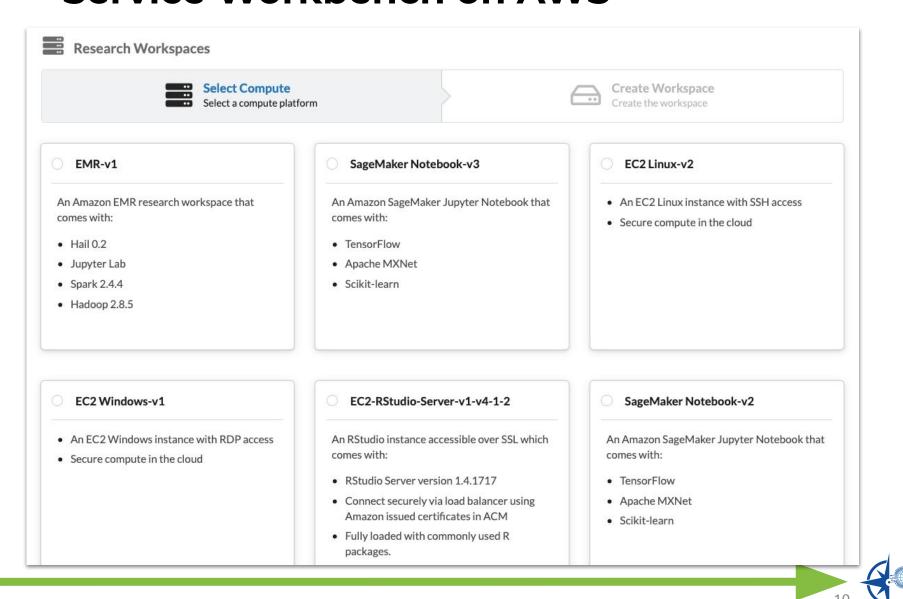
- 7,753,446 total distinct patients
- 184 community health care systems
- 1,733 clinic sites across
- 31 states





Infrastructure made available Service Workbench on AWS

- Democratize access to public cloud computing
- Teaching and
 research
- Full billing control
- Secure enclave



AIM-AHEAD Research Fellows Program Timeline

Thursday, April 7th, 2022	CFP public / Application Process Open
Tuesday, May 3rd, 2022 2-4pm ET	Application Preparation workshop
Sunday, May 22nd, 2022 11:59PM EST	Application Deadline
Beginning of August, 2022	Award notices released
Mid-August 2022	Matching AIM-HEAD Mentors / Fellows
Thursday, September 1st, 2022	Research Fellowship Program Begins
Thursday, August 31st, 2023	Research Fellowship Program Ends



What to expect as you start the application process



Tips for Application Preparation

- **Read** the Call for proposal **multiple times**
- **Check** Eligibility criterias
- **Read** the FAQ **multiple times**
- Start the application ASAP
- Ask questions: Zoom chat right now

or

https://helpdesk.aim-ahead.net/ticket/create/research_fellowship



Fellowship Eligibility

Eligible Organizations hosting Applicants

Higher Education Institutions

- Public/State Controlled Institutions of Higher Education
- Private Institutions of Higher Education

Consistent with the goals of the AIM-AHEAD Coordinating Center, the following types of Higher Education Institutions are highly encouraged to apply for Fellowship support:

- · Hispanic-serving Institutions
- Historically Black Colleges and Universities (HBCUs)
- Tribally Controlled Colleges and Universities (TCCUs)
- · Alaska Native and Native Hawaiian Serving Institutions
- · Asian American Native American Pacific Islander Serving Institutions (AANAPISIs)
- Other Minority Serving Institutions

Nonprofits Other Than Institutions of Higher Education

- Nonprofits with 501(c)(3) IRS Status (Other than Institutions of Higher Education)
- Nonprofits without 501(c)(3) IRS Status (Other than Institutions of Higher Education)

For-Profit Organizations

- · Small Businesses
- For-Profit Organizations (Other than Small Businesses)



Fellowship Eligibility

Eligible Applicants

Applicants must be:

- 1) early-career researchers (graduate students, postdocs, junior faculty (Early Stage Investigator), and others)
- 2) US Citizens, Permanent Residents and Non-Citizen Nationals

An Early Stage Investigator (ESI) is an investigator who has completed their terminal research degree or end of post-graduate clinical training—whichever date is later—**within the past 10 years** and who has not previously competed successfully as a Principal Investigator for a substantial, NIH independent research award.

The goal of the AIM-AHEAD coordinating center is to **diversify** the research workforce in AI/ML and Health Equity. Consistent with the NIH Interest in Diversity (NOT-OD-20-031: Notice of NIH's Interest in Diversity)

We are particularly interested in applicants from historically underrepresented groups in AI/ML, such as women, racial/ethnic minorities, people with disabilities, individuals from rural or socially disadvantaged backgrounds, and those of LGBTQIA identity.



Live demo of the application process in InfoReady



Research Proposal Ideas



 Link to data dictionary has been provided for reference to available data for scientific inquiry



- Sample proposal topics:
 - opioid use
 - telemedicine and native language
 - disparities and social determinant predictions

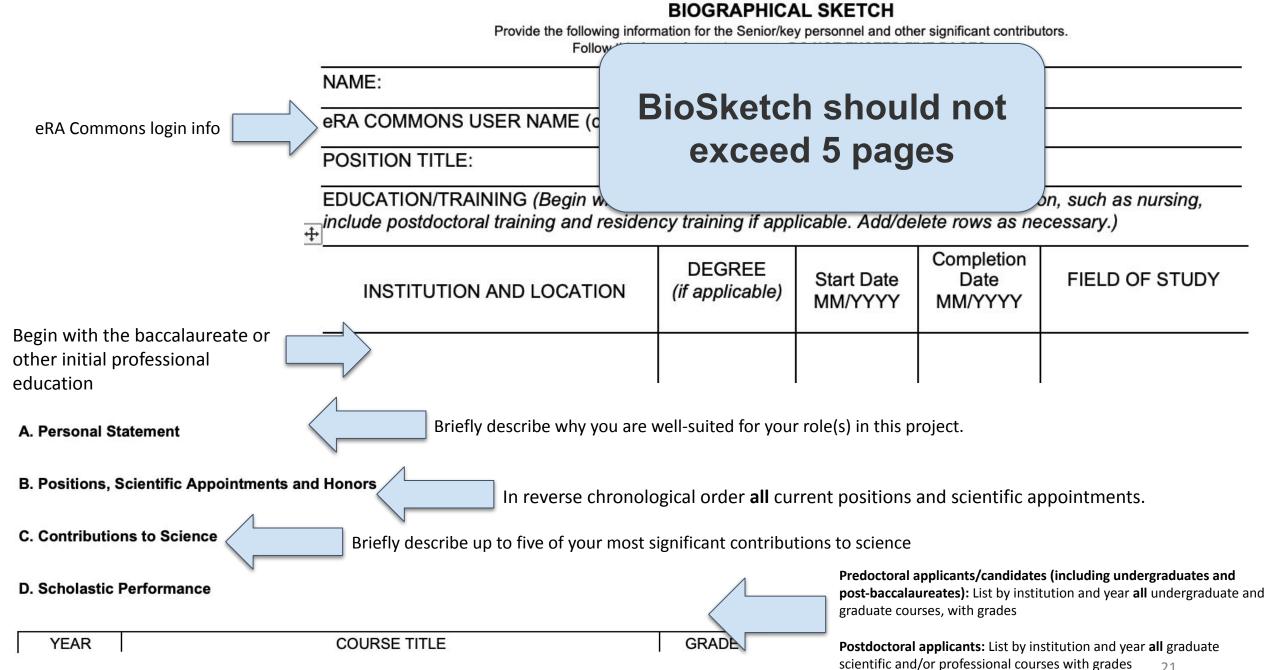
Developing your Biosketch



Biographical Sketch

- NIH biosketch (not to exceed 5 pages) is required.
- https://grants.nih.gov/grants/forms/biosketch.htm
- Template: Fellowship Biosketch
- Instructions
- Predoctoral Fellowship biosketch sample
- Postdoctoral Fellowship biosketch sample





Planning and Preparing the Budget



AIM-AHEAD Research Fellows Program in AI/ML Call for Proposals

PDF

✓ Dates

Internal Submission Deadline: Sunday, May 22, 2022 ADD TO CALENDAR

✓ Details

Administrator(s): Paul Avillach (Owner)

Category: Research Fellowship

Cycle: Summer 2022

Number of Applications Allowed Per Applicant: 1

Number of Possible Awardees: 20

Reference Letters Required per Applicant: 2

Supporting Documents: Budget Template

Example of Budget

My Application Supporting Documents

Details

Budget Template

Download, Complete and Upload the completed budget template in Budget section

Example of Budget



Ruth L. Kirschstein National Research Service Award (NRSA) Stipends, Tuition/Fees and Other Budgetary Levels Effective for Fiscal Year 2022

https://grants.nih.gov/grants/guide/notice-files/NOT-OD-22-108.html



Planning and Preparing the Budget

Budget Template



Updated: 5/3/2022	Announcement #:	AIM-AHEAD Research Fellowship - Summer 2022 Jane Doe		
	Partipant Name:			
	Project Title:	AI/ML in breast cancer disparities		
	AIM-AHEAD Research Felowsh	ip Budget Wor	ksheet	
Begin Date:	09/01/22			
End Date:	08/31/23			
A. PERSONNEL			12 Months	3
Name	Project Role / Position at Intitute	Base Salary	% effort	Funds Requested
Jane Doe	Postdoc - 2 years of experience	55,631	50.000%	27,816
	PERSONNEL SUBTOTAL	55,631	1	27,816
B. TRAVEL		8 8 8	N	
[domestic trip 1]: AIM-AHEAD Meeting - dateTBD				2,000
[domestic trip 2]: AIM-AHEAD Annual Meeting - July 2023				2,000
(* 1950) (* 18. 65. N	TRAVEL SUBTOTAL			4,000
C. OTHER DIRECT COS	TS			
	Materials and Supplies:			200
	Publication Costs:	1		3,000
	OTHER EXPENSES SUBTOTAL			3,200
D. TOTALS				1
	TOTAL REQUESTED			35,016



What to Expect Post-Application Submission



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