



Artificial Intelligence/**M**achine Learning Consortium  
to **A**dvance **H**ealth **E**quity **A**nd Researcher **D**iversity

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# AIM-AHEAD Funding Opportunities

Presented by

**Toufeeq Ahmed, PhD, MS**

Multiple Principal Investigator, AIM-AHEAD Coordinating Center

Please follow the direct link posted in the Zoom chat -or- navigate to **Sli.do** and enter event code **1257687**

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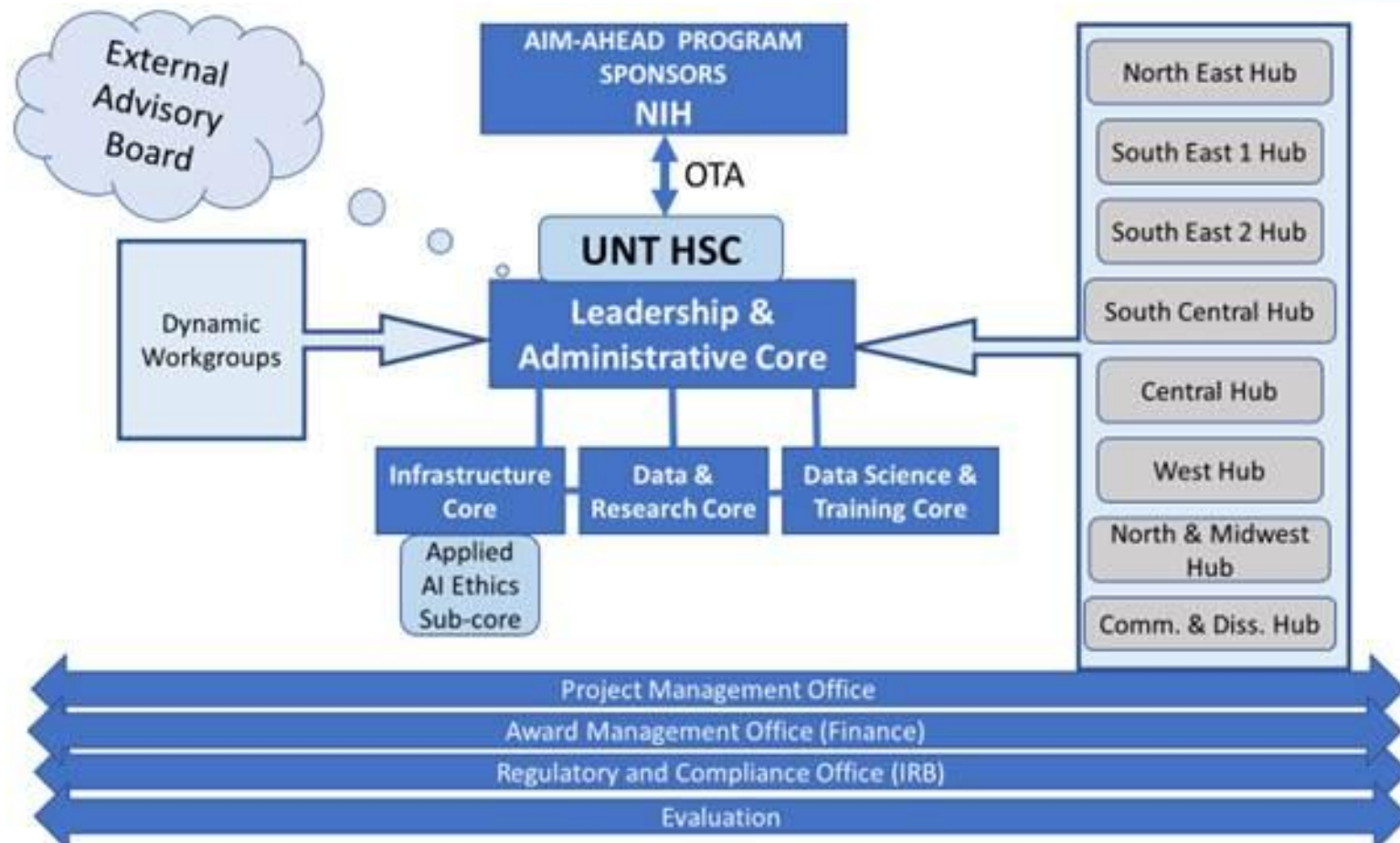
# Artificial Intelligence/ Machine Learning Consortium to Advance Health Equity and Researcher Diversity

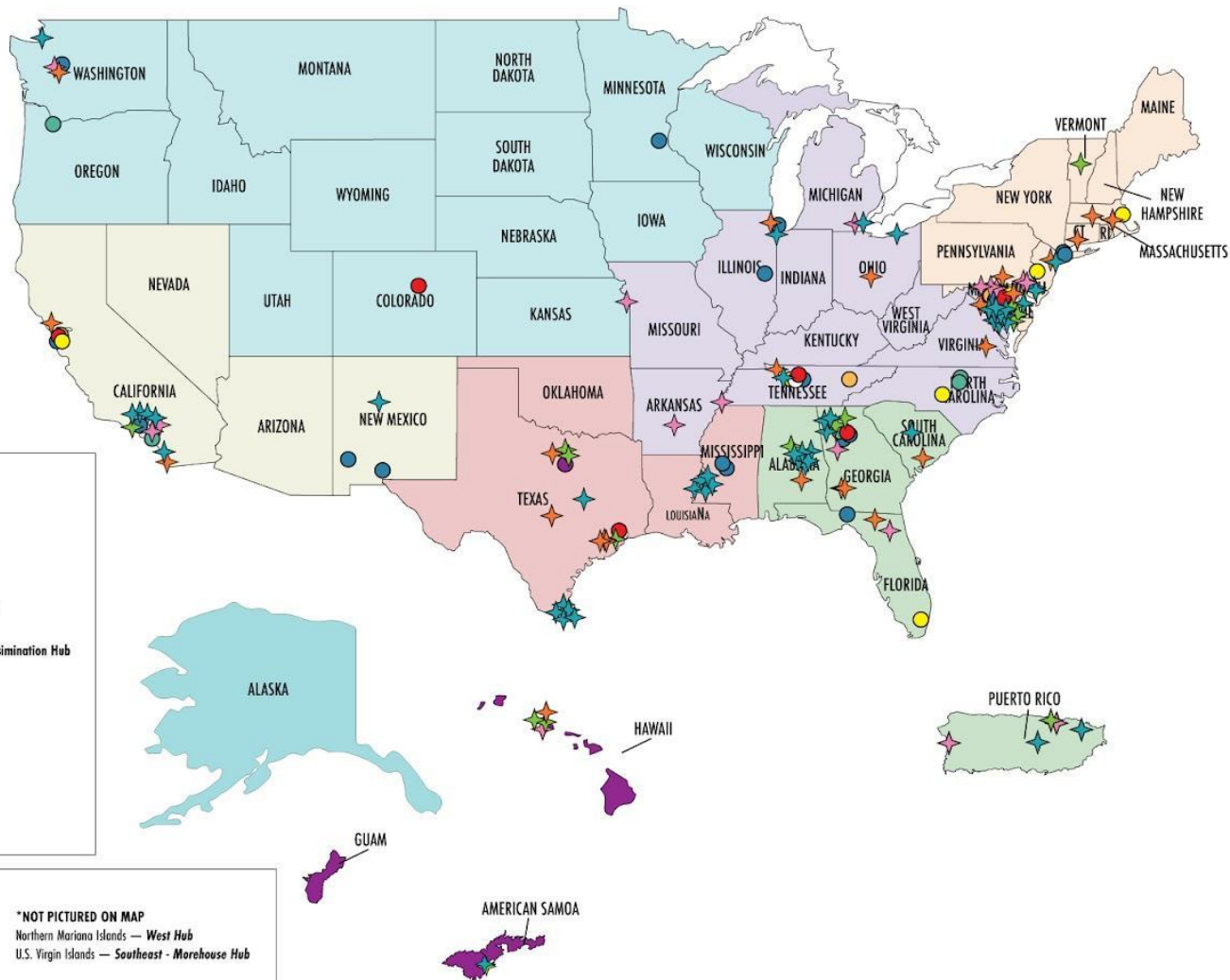
*Underrepresented communities have untapped potential to contribute new expertise, data, recruitment strategies, and cutting-edge science to the AI/ML field. This program seeks to increase the participation and engagement of the researchers and communities that are currently underrepresented in AI/ML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









# Leadership Core Hub MPIs



**Jamboor Vishwanatha**  
Central Hub



**Harlan Jones**  
Central Hub



**Usha Sambamoorthi**  
Central Hub



**Bettina Beech**  
South Central Hub



**Anil Shanker**  
Southeast – Meharry Hub



**Herman Taylor**  
Southeast – Morehouse Hub



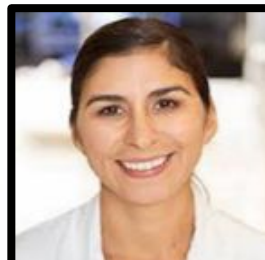
**Evelinn Borrayo**  
North/Midwest Hub



**Spero Manson**  
North/Midwest Hub



**Keith Norris**  
West Hub



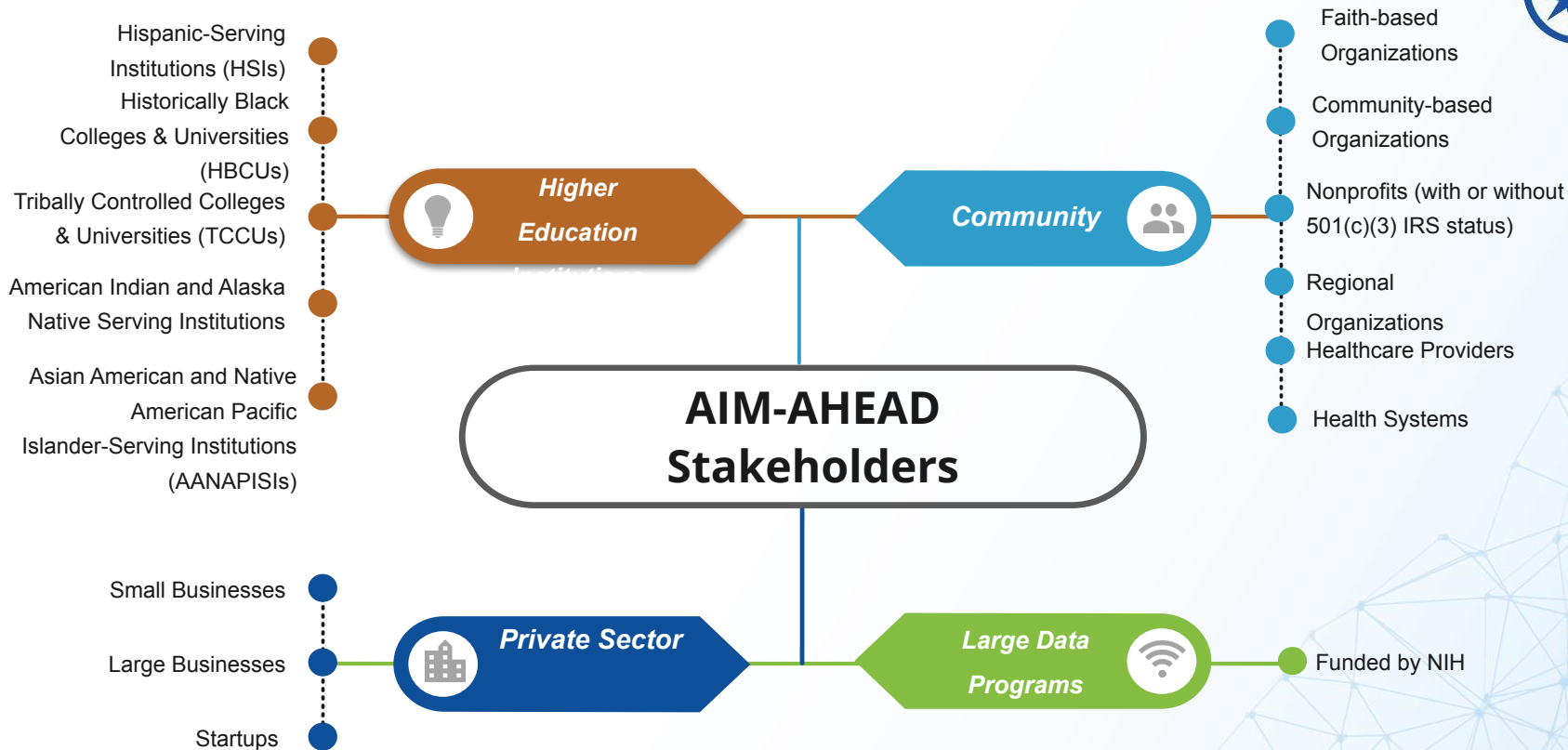
**Alejandra Casillas**  
West Hub



**Roland Thorpe**  
Northeast Hub



**Toufeeq Ahmed**  
Communications Hub





# North Stars



In order to develop a roadmap for the first year of AIM-AHEAD work, A-CC leadership worked with local communities to identify priority health disparity issues. Use cases were developed based on these outreach efforts and A-CC leadership worked together to prioritize the health disparity issues that would be a focus for Year 1. These became the AIM-AHEAD North Stars.

North Star	Description
1	Develop a diverse, equitable, and inclusive AI/ML workforce
2	Increase knowledge, awareness, and national-scale community engagement/empowerment in AI/ML
3	Use AI/ML to address disparities and minority health in behavioral health, cardiometabolic health, and cancer
4	Build Community capacity and infrastructure in AI/ML to address community-centric health disparities and minority health

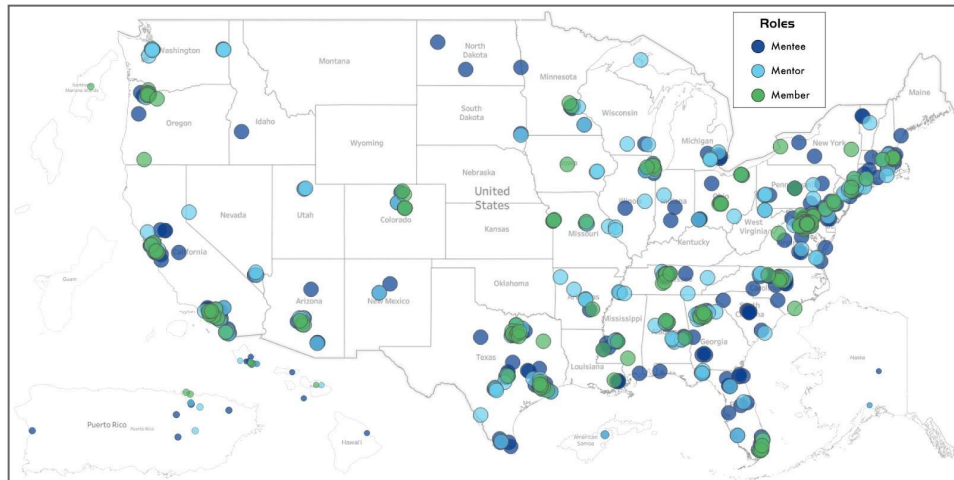
# Join AIM-AHEAD Connect

- AIM-AHEAD's community, networking, mentoring and career-development platform
- Virtual space to engage with the entire AIM-AHEAD Consortium and build Community!
- Custom tools available to the AIM-AHEAD Coordinating Center:
  - Connect with experts, learners, stakeholders etc.
  - Mentoring, Q&A, Video calls, Groups, Jobs Board, etc.
  - Sign-up: Event registration & information solicitation
  - Surveys: Request feedback for various activities
  - HelpDesk: Respond to topic-specific questions
  - Programs: Exclusive space, content, and mentor matching

**Scan QR Code  
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AIM-AHEAD Connect**



### Membership Map



Users	
Total Users	1,912
Mentees	980
Mentors	554
Members	378
Institutions	699

Activities	
Connections	2,235
Comments	3,043
Profile Updates	3,405
Calendar Events	342
CV/Resumes	441
Virtual Meetings	112
Groups Created	59
Groups Membership	3,745

# AIM-AHEAD Consortium Development Projects to Advance Health Equity

- Multi-disciplinary research projects that use or develop novel AI/ML algorithms to address health disparities and inequities
- Applicants should use new or existing real-world data or synthetic data to develop and enhance existing AI/ML algorithms to detect and mitigate bias and reduce health disparities
- Applications are solicited from a broad range of institutions and organizations that have a mission to serve under-represented or underserved groups impacted by health disparities
- Depending on the number and quality of applications, 15-20 proposals will be selected for funding
- Visit <https://www.aim-ahead.net/call-for-proposals-year-2/> for updates

## Tentative Dates

**Solicitation Release:** April 2023

**Application Deadline:** June 20th 2023

**Funding Decisions:** August 2023

**Award Start Date:** Sept 2023

# AIM-AHEAD Data and Infrastructure Capacity Building at MSIs (DICB)

- AIM-AHEAD seeks to increase data and infrastructure capacity at MSIs in AI/ML models and develop institutional capabilities to address and develop a trained workforce in health disparities and inequities
- MSIs are encouraged to partner with RIs in developing the application
- **Phase I:** Planning year; **Phase II:** Implementation
- Four focus areas:
  - *Research Data Repository to Host AIM-AHEAD Generated Datasets*
  - *Resource Center for Data Curation, Linkages, and Harmonization Datasets*
  - *Resource Center for Data Access and Data Governance*
  - *Resource Center to Provide Service to Support Open-source AI/ML Tools*
- Visit <https://www.aim-ahead.net/call-for-proposals-year-2/> for updates

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# Program for Artificial Intelligence Readiness (PAIR)

- Promote minority serving institutions with low resources to build AI/ML research capacity to advance health equity and researcher diversity.
- Two-phase funding model will provide institutions with AIM-AHEAD resources, AI/ML experts, and grant-writing coaches to help establish AI Health Equity Research Labs that host cross-disciplinary teams to jumpstart research projects, bond with AIM-AHEAD resources, and provide the framework for the sustainability of AI research and education within these institutions
  - Phase I: Two to three investigators from each institution will participate in developing a research project through grantsmanship training and coaching.
  - Phase II: The research project will be implemented at the host institution.
- Visit <https://www.aim-ahead.net/call-for-proposals-year-2/> for updates

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# AIM-AHEAD Hub-Specific Pilot Projects

- To support new stakeholders in the AIM-AHEAD regional hubs to conduct exploratory, community-engaged research studies that align with AIM-AHEAD goals
- Each regional hub will consider pilot grant applications that:
  1. Support new stakeholders to address critical issues unique to their culture and context
  2. Provide direct interaction between key stakeholders, AIM-AHEAD hubs, and AIM-AHEAD technical cores
  3. Provide capacity building to underrepresented communities
  4. Enhance local stakeholder understanding of and facility with AI/ML methods
- Visit <https://www.aim-ahead.net/call-for-proposals-year-2/> for updates

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# AIM-AHEAD Research Fellowship (Cohort #2)

- Provides early-career researchers from under-represented populations funding and support for research on novel and innovative data science and data-focused research problems that involves the use of AI/ML methodologies to address health disparities, inequities, and bias
- This program is open to institutions/organizations conducting research at the intersection of healthcare practice and delivery, AI/ML methods, and the advancement of health equity, and represent diversity across fields of study, institutions, geography, and investigators
- Visit <https://www.aim-ahead.net/call-for-proposals-year-2/> for updates

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# AIM-AHEAD Leadership Fellowship (Cohort #2)

- Seeks to fund tomorrow's leaders to champion the use of AI/ML in addressing persistent health disparities in ways that develop the human capital to promote continued engagement, adoption, and expansion of AI/ML at the level of programs, systems, and policies
- This program will engage a diverse group of participants from under-represented populations to participate in mentored didactic and experiential educational activities to acquire the leadership competencies
- Visit <https://www.aim-ahead.net/call-for-proposals-year-2/> for updates

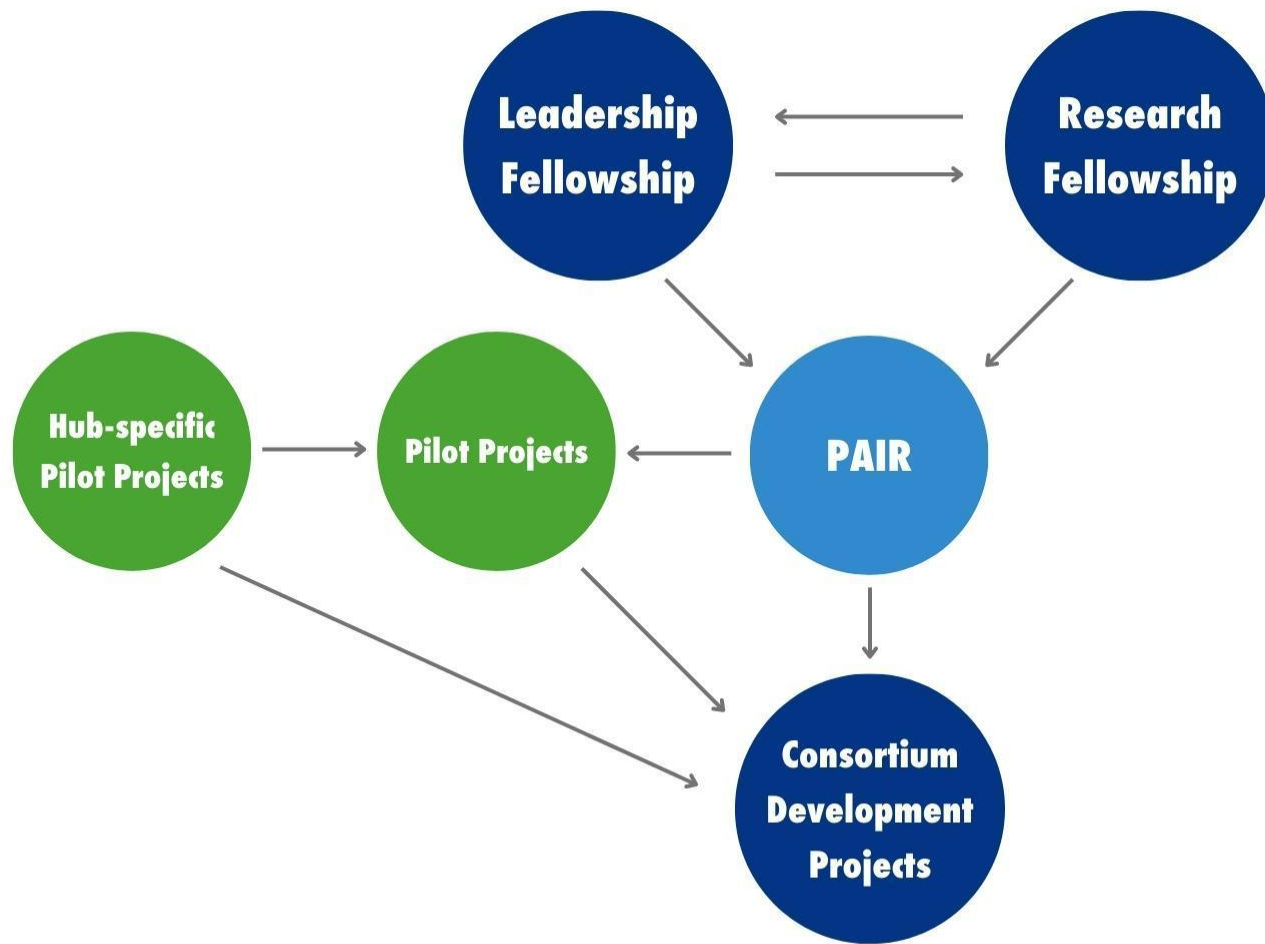
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**DICB**



# Call for Proposals are Live!

**AIM-AHEAD.net**  
**Project/Information Portal**

<https://aim-ahead.net>



**AIM-AHEAD Connect**  
**Community/Networking Platform**

<https://connect.aim-ahead.net>



**Questions?**