2021.11.4

NIH Funding History & Future Opportunities
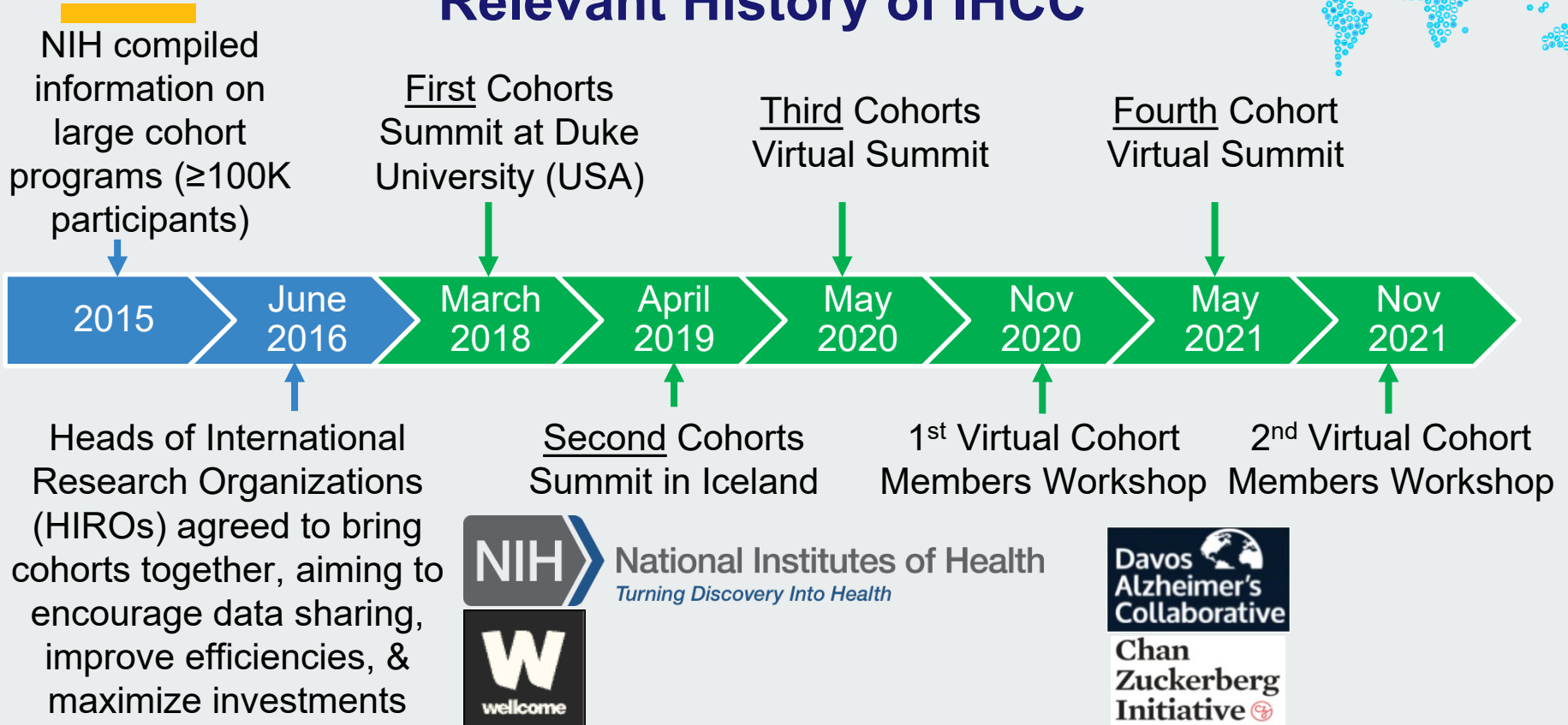
Rongling Li, NHGRI, NIH

International 100K Cohort Consortium

Relevant History of IHCC

NIH compiled information on large cohort programs (≥100K participants)

First Cohorts Summit at Duke University (USA)

Third Cohorts Virtual Summit

Fourth Cohort Virtual Summit

| 2015 | June 2016 | March 2018 | April 2019 | May 2020 | Nov 2020 | May 2021 | Nov 2021 |

Heads of International Research Organizations (HIROs) agreed to bring cohorts together, aiming to encourage data sharing, improve efficiencies, & maximize investments

Second Cohorts Summit in Iceland

1st Virtual Cohort Members Workshop

2nd Virtual Cohort Members Workshop

NIH National Institutes of Health
Turning Discovery Into Health

wellcome

Davos Alzheimer's Collaborative

Chan Zuckerberg Initiative

What has been supported?

- Secretariat – Coordinating the consortium activities
- Annual Summit – Bringing cohorts members together to establish collaborations, update consortium progress, propose future direction, and develop strategic plans
- Working Groups Activities
  - Data Interoperability and Connectivity – IHCC Atlas
  - Policies and Systems – Developing a policy agenda, addressing challenges and identifying common needs
  - Scientific Strategies – Stimulating research that builds upon rich and diverse datasets
  - Training, Sharing, and Capacity Development – Collaboration enhancement, training, education, and knowledge sharing

IHCC Pilot Projects

Project	PI/PM	Funders	Year
Polygenic risk scores (PRS)	H Hákonarson (USA)	NIH & Wellcome	2020
Exploring the role of genetically determined BMI in early life on colorectal cancer in later life	DJ Hughes (Ireland)	NIH & Wellcome	2021
High-Throughput Metabolomic Biomarker Measures in Diverse Ancestries	H Hákonarson (USA)	NIH & Wellcome	2021
Effects of regular opioid use on mortality and on cancer development (Opioid cohort consortium)	P Brennan (France)	NIH & Wellcome	2021
Global Mental Health Impact of the COVID-19 Pandemic	J Smoller (USA), S Bauermeister (UK) & A Brunoni (Brazil)	NIH & Wellcome	2021
Novel coronavirus host susceptibility study in South Africa (COVIGen-SA)	M Ramsay (S. Africa)	NIH & Wellcome	2021
Biospecimen collection for Global Longitudinal Population Studies in the COVID-19 era	J Chambers (Singapore)	Chan Zuckerberg Initiative (CZI)	2021
Davos Alzheimer's Collaborative (DAC) – Pilot PRS	Davos Alzheimer's Collaborative – Pilot	DAC	2021

NIH Policy for Foreign Applications

- NIH is part of the United States Department of Health & Human Services, which is the primary U.S. Federal agency that conducts and supports medical research
- The 27 Institutes and Centers (ICs) of NIH provide leadership and financial support to researchers both inside and outside the United States
- Detailed information for submitting foreign grants can be found at https://grants.nih.gov/grants/foreign/index.htm
- All applications must undergo peer review

Additional criteria for reviewing foreign applications

- Whether the project presents special opportunities for furthering research programs through the use of unusual talent, resources, populations, or environmental conditions in other countries that are not readily available in the United States or that augment existing U.S. resources.

- Whether the proposed project has specific relevance to the mission and objectives of the IC and has the potential for significantly advancing the health sciences in the United States

- Foreign applicants can learn more at the Information for Foreign Applicants and Grantees page.

How to Write an NIH Application

- **Write Your Application** https://grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/write-your-application.htm
- **Important Writing Tips:**
  1. Make Your Project's Goals Realistic
  2. Be Organized and Logical
  3. Write in Clear Concise Language
  4. Sell Your Idea on Paper
  5. Edit Yourself, but also Enlist Help
  6. Share for Comments

- **Sample Applications** https://grants.nih.gov/grants/how-to-apply-application-guide/resources/sample-applications.htm

- **YouTube Videos (example** Best Practices for Junior Investigators When Writing an NIH ... **)**

Thank You!

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