



Nov 3, 2021

IHCC November Workshop: “IHCC Link”

Geoff Ginsburg
Peter Goodhand
Co-Chairs



International 100K Cohort Consortium



Happy Birthday IHCC





Relevant History

- 2015: NIH compiled information on large cohort programs ($\geq 100K$ participants)
- 2017: HIROs agreed to bring cohorts together, to encourage data sharing, improve efficiencies, & maximize investments
- March 2018: First Cohorts Summit at Duke University
- Summer 2018: Formation of IHCC
- April 2019: Second Cohorts Summit in Iceland
- May 2020 & 2021: Third and Fourth (Virtual) Summits

G2MC



Global Genomic
Medicine Collaborative



Global Alliance
for Genomics & Health
Collaborate. Innovate. Accelerate.

GA4GH



Goals for IHCC Link

- Review and discuss the IHCC 5-year strategy including each Working Group's specific Action-Plans for implementation
- Progress of the IHCC pilot projects: Discuss future plans and potential for new collaborations
- Update: Data Science for Health Discovery and Innovation in Africa
- Discuss current data collection methods for both Environmental/Climate and Race/Ethnicity/Ancestry information
- Develop new knowledge of funding agency opportunities including resources and methods for submitting successful grant applications



Achievements 2021

- Completion of 5-year strategic plan
- Submission of NIH U24 for 5 years of funding
- Planning for Wellcome Trust submission (January 2022)
- Chan-Zuckerberg Initiative funding
- Seven cross-cohort projects underway
- International Cohorts Atlas expansion
- Evergreen policy agenda



Pilot Projects

Project	PI	Institution	Funders	# cohorts	# LMIC cohorts
Polygenic risk scores (PRS)	Hakon Hákonarson (USA)	Children's Hospital of Philadelphia (CHOP)	NIH & WT	6	2
Exploring the role of genetically determined BMI in infancy, childhood, and early adulthood on colorectal cancer development in later life	David J. Hughes (Ireland)	University College Dublin, International Agency for Research on Cancer (IARC), University of Texas	NIH & WT	4	1
High-Throughput Metabolomic Biomarker Measures in Diverse Ancestries	Hakon Hákonarson (USA)	Children's Hospital of Philadelphia (CHOP)	NIH & WT	4	3
Opioid cohort consortium (OPICO) to investigate the effects of regular opioid use on mortality and on cancer development	Paul Brennan (France)	International Agency for Research on Cancer (IARC)	NIH & WT	10	4
Global Mental Health Impact of the COVID-19 Pandemic	Jordan Smoller (USA) Sarah Bauermeister (UK) & Andre Brunoni (Brazil)	Massachusetts General Hospital, Oxford University, University of Sao Paulo Medical School	NIH & WT	12	3
Novel coronavirus host susceptibility study in South Africa (COVIGen-SA)	Michele Ramsay (S. Africa)	Wits Health Consortium	NIH & WT	3	3
Strengthening biospecimen collection for Global Longitudinal Population Studies in the COVID-19 era	John Chambers (Singapore)	Nanyang Technological University	Chan Zuckerberg Initiative (CZI)	4	3
Davos Alzheimer's Collaborative (DAC) - Pilot PRS	Hakon Hákonarson (USA)	Children's Hospital of Philadelphia (CHOP)	DAC	7	4



— New Steering Committee Members



Nicky Mulder, Ph.D.
*Principal investigator
of H3ABioNet (H3Africa),
S. Africa*



**Catterina Ferreccio
M.D., M.P.H.**
*Director of the MAUCO
Cohort, Chile*



Kobus Herbst, M.Sc.
*Director of the SAPRIN
Cohort, S. Africa*



New Steering Committee Members



Michele Ramsay, Ph.D.
*Project Leader of the AWI-Gen
Consortium Study (H3Africa),
S. Africa*



Reza Malekzadeh, M.D.
*Director of the Persian Cohort
and the Golestan Cohort,
Iran*



Rahman Jamal, M.D., Ph.D.
*Project Leader of the
Malaysian Cohort,
Malaysia*



— New Steering Committee Members



Nicki Tiffin, Ph.D., M.P.H.

*Co-Lead: Policy and Systems
Working Group*

*Associate Professor at Centre for
Infectious Disease Research in
Africa (CIDRI), University of Cape
Town, S. Africa*



Paballo Chauke, M.Sc.

*Co-Lead: Training and Workforce
Working Group*

*Bioinformatics Training and
Outreach Coordinator for
H3ABIONET, S. Africa*



Albert Tenesa, Ph.D.

*Co-Lead: Training and Workforce
Working Group*

*Co-Principal Investigator of the
Coronagene cohort, UK*



Our Amazing Secretariat

Scott



Ludy



Farah



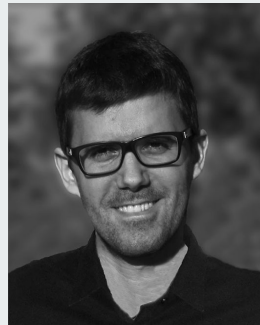
Meredith



John



Carles



Chris



Ida



Ytina



Brittany

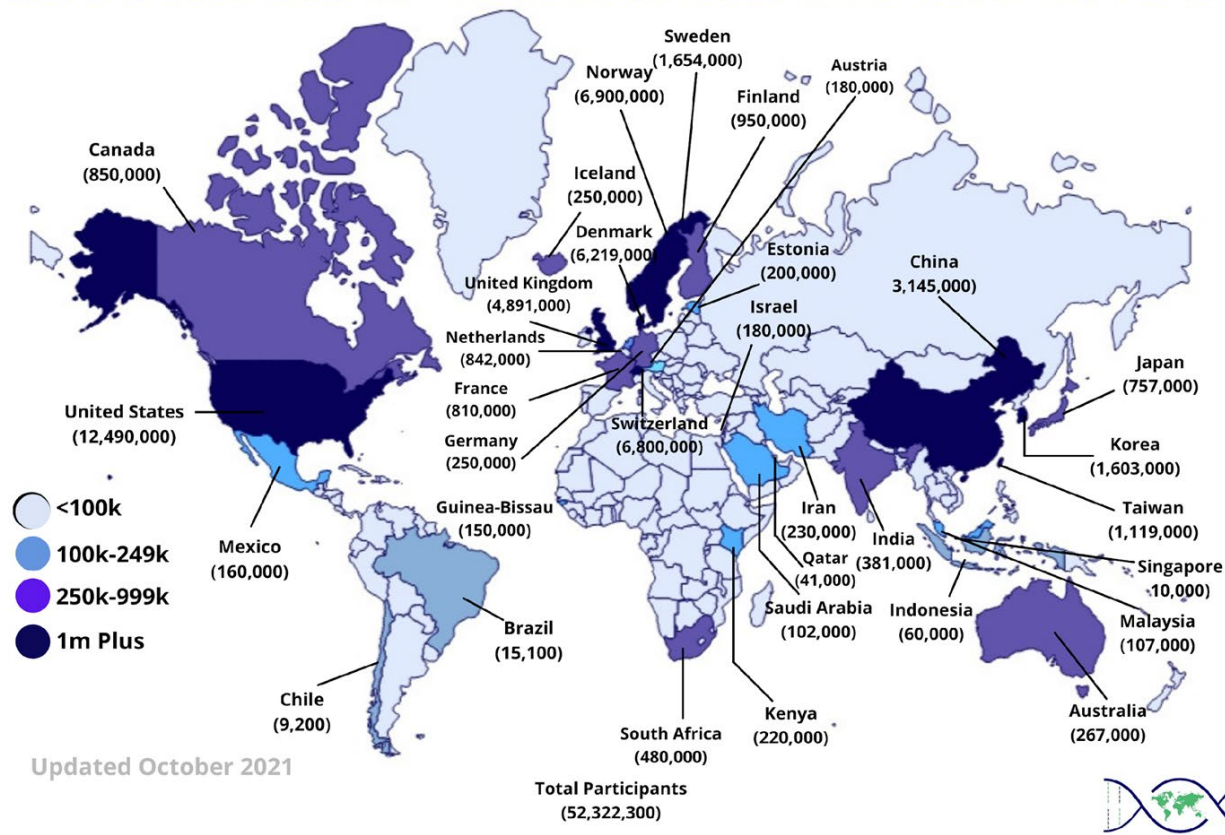


Chip



Teji

IHCC Member Cohorts Across The Globe



110 Cohorts, 48 Countries, >50,000,000 Participants

IHCC Funding Organizations



National Institutes of Health
Turning Discovery Into Health



CHAN
ZUCKERBERG
INITIATIVE

