



# 4<sup>th</sup> International Cohorts Virtual Summit

May 25 – 27, 2021  
Starting at 11:00 UTC Daily

**Tuesday, May 25, 2021**

## Summit Introduction, Background and Opening Keynote

- |                   |                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:00 – 11:10 UTC | <b>Day 1 Welcome and Introductions</b><br><i>Geoffrey Ginsburg, M.D., Ph.D.</i><br>Duke University, USA                                                                            |
| 11:10 – 11:25 UTC | <b>Opening Keynote: Accelerating Science Through Technology and Collaboration</b><br><i>Cori Bargmann, Ph.D.</i><br>The Rockefeller University and Chan Zuckerberg Initiative, USA |

## Progress in 2021 – Advancing the Science!

**Chair: Adam Butterworth, Ph.D.**

- |                   |                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11:25 – 11:35 UTC | <b>Overview: Scientific Agenda and Preliminary Results (Part 1)</b><br><i>Adam Butterworth, Ph.D.</i><br>University of Cambridge, UK                                                                                  |
| 11:35 – 11:50 UTC | <b>COVID-19 in South Asian Communities</b><br><i>John Chambers, M.D., Ph.D.</i><br>Imperial College London, Singapore National Precision Medicine Program, Singapore                                                  |
| 11:50 – 12:05 UTC | <b>Sharing Novel Coronavirus Host Susceptibility Study in South Africa</b><br><i>Michèle Ramsay, Ph.D.</i><br>University of the Witwatersrand, Johannesburg, South Africa                                             |
| 12:05 – 12:20 UTC | <b>Global Mental Health Impact of the COVID-19 Pandemic</b><br><i>Sarah Bauermeister, M.Sc., Ph.D.</i><br>University of Oxford, UK                                                                                    |
| 12:20 – 12:35 UTC | <b>Exploring the Role of Genetically Determined BMI in Infancy, Childhood, and Early Adulthood on Colorectal Cancer Development in Later Life</b><br><i>David Hughes, Ph.D.</i><br>University College Dublin, Ireland |

**12:35 – 12:50 UTC**      **Opioid Cohort Consortium (OPICO) to Investigate the Effects of Regular Opioid Use on Mortality and on Cancer Development**  
*Hilary Robbins, Ph.D. on behalf of Mahdi Sheikh, M.D., Ph.D.*  
Genomic Epidemiology Branch, International Agency for Research on Cancer (IARC - WHO), France

**12:50 – 13:20 UTC**      **BREAK**

**Continued: Progress in 2021 – Advancing the Science!**

**Chair: Adam Butterworth, Ph.D.**

**13:20 – 13:25 UTC**      **Overview: Scientific Agenda and Preliminary Results (Part 2)**  
*Adam Butterworth, Ph.D.*  
University of Cambridge, UK

**13:25 – 13:40 UTC**      **High-Throughput Metabolomic Biomarker Measures in Diverse Ancestries**  
*Arash Etemadi, M.D., Ph.D., M.P.H.*  
National Cancer Institute, USA, India

**13:40 – 13:55 UTC**      **Davos Alzheimer’s Collaborative (DAC) —Foundational Phase**  
*Rhoda Au, Ph.D.*  
Boston University Schools of Medicine and Public, USA

**13:55 – 14:05 UTC**      **Polygenic Risk Scores (PRS) Pilots for IHCC and DAC**  
*Patrick Sleiman, Ph.D.*  
Center for Applied Genomics, USA

**14:05 – 14:20 UTC**      **Data Interoperability and Infrastructure Working Group**  
*Christina Yung, Ph.D.*  
Ontario Institute for Cancer Research, Canada

**14:20 – 14:35 UTC**      **Scientific Strategy and Cohort Enhancement Working Group**  
*Hákon Hákonarson, M.D., Ph.D.*  
Children’s Hospital of Philadelphia, USA

**14:35 – 14:45 UTC**      **Policy and Systems Working Group**  
*Laura Lyman Rodriguez, Ph.D.*  
PCORI, USA

**14:45 – 14:55 UTC**      **Day 1 Summary**  
*Adam Butterworth, Ph.D.*  
University of Cambridge, UK

- Teaser on new vision, mission and values

**Wednesday, May 26, 2021**

## **Day 2 Welcome and Keynote**

**Chair: Zhengming Chen, DPhil**

- 11:00 – 11:05 UTC**      **Day 2 Welcome and Introductions**  
*Zhengming Chen, M.B.B.S., DPhil*  
Nuffield Department of Population Health, University of Oxford, UK
- 11:05 – 11:20 UTC**      **Keynote: Vision to the Future – Disruption in Population Health**  
*Mary De Silva, M.Sc., Ph.D.*  
Wellcome Trust, UK

## **Strategic Planning Initiative and Implementation Plans**

- 11:20 – 11:30 UTC**      **Outlining the Strategic Plan**  
*Peter Goodhand*  
Global Alliance for Genomics & Health, Canada
- 11:30 – 11:40 UTC**      **Process Overview and Summary of Implementation Plan**  
*Eric Plummer, PMP*  
IHCC, USA
- 11:40 – 12:05 UTC**      **Working Group High Level Overview**
- **Data Interoperability and Infrastructure Working Group**  
*Philip Awadalla, Ph.D. (Canada)*  
*Thomas Keane, Ph.D. (UK)*
  - **Scientific Strategy and Cohort Enhancement Working Group**  
*Hákon Hákonarson, M.D., Ph.D. (USA)*  
*Adam Butterworth, Ph.D. (UK)*
  - **Policy and Systems Working Group**  
*Laura Lyman Rodriguez, Ph.D. (USA)*
  - **Learning and Sharing Working Group**  
*Eric Plummer, PMP (USA)*
- 12:05 – 12:50 UTC**      **Working Group Strategic Planning Implementation Breakouts**  
Lead by the IHCC Working Group Co-chairs
- 12:50 – 13:20 UTC**      **BREAK**
- 13:20 – 14:00 UTC**      **Breakout Summaries: Working Group Implementation Plans**  
Lead by the IHCC Working Group Co-chairs

## Panel: LMIC/LRC/LRS Cohorts' Outlook on Resource Gaps and Barriers

**14:00 – 14:45 UTC**      **Moderator:** *Zhengming Chen, M.B.B.S., DPhil*  
Nuffield Department of Population Health, University of Oxford, UK

### **Confirmed Panelists**

*Catterina Ferreccio, M.D., M.P.H. (Chile)*  
*Arash Etemadi, M.D., M.P.H., Ph.D. (USA, Iran)*  
*Rahman Jamal, Ph.D. (Malaysia)*

**14:45 – 14:50 UTC**      **Day 2 Summary and Day 3 Outlook**  
*Zhengming Chen, M.B.B.S., DPhil*  
Nuffield Department of Population Health, University of Oxford, UK

**Thursday, May 27, 2021**

## Day 3 Welcome and Keynote

*Chair: Nicky Mulder*

**11:00 – 11:10 UTC**      **Day 3 Welcome and Introduction**  
*Nicky Mulder, Ph.D.*  
University of Cape Town, South Africa

**11:10 – 11:25 UTC**      **Keynote: Why We Should Invest in African Genomic Variations**  
*Ambroise Wonkam, M.D.*  
University of Cape Town, South Africa

## Concurrent Speed Rounds – Come Discover and Ask Questions!

**3 rounds, 20 minutes each**

**11:25 – 12:25 UTC**      **African Population Consortium (APCC)—How Can the IHCC Community Assist?**  
*Kobus Herbst, M.Sc.*  
South African Population Research Infrastructure Network, South Africa

**11:25 – 12:25 UTC**      **H3Africa Fellows—Developing Young Investigators for the Future**  
*Paballo Chauke, M.Sc., Ph.D.*  
H3ABioNet, South Africa

**11:25 – 12:25 UTC**      **What Does It Mean to Be an IHCC Member?**  
*Philip Awadalla, Ph.D.*  
Ontario Institute for Cancer Research, Canada

**11:25 – 12:25 UTC**      **Davos Alzheimer's Collaborative—Deep Dive**  
*Rhoda Au, Ph.D.*  
Boston University Schools of Medicine and Public, USA

**11:25 – 12:25 UTC**      **Race and Ethnicity in Genomics—How Does Your Cohort Capture This Data?**  
*Melanie Courtot, Ph.D.*  
European Bioinformatics Institute (EMBL-EBI), UK

*Nicky Mulder, Ph.D.*  
University of Cape Town, South Africa

**11:25 – 12:25 UTC**      **Obstacles to Data Sharing**  
*Nicki Tiffin, Ph.D.*  
CIDRI-Africa/Computational Biology Division, University of Cape Town, South Africa

**12:25 – 13:00 UTC**      ***BREAK***

## COVID-19 Keynote and Panels

**13:00 – 13:15 UTC**      **Closing Keynote: COVID-19**  
*Francis Collins, M.D., Ph.D.*  
National Institutes of Health, USA

**13:15 – 13:55 UTC**      **COVID-19 Presentations: What are IHCC Cohorts Doing and How Did They Tackle COVID-19?**

**Moderator:** *Kelly Gebo, M.D., M.P.H.*  
Johns Hopkins Medicine, USA

### **Confirmed Panelists**

*Andre Brunoni, M.D., Ph.D.* (Brazil)  
*Kobus Herbst, M.Sc.* (South Africa)  
*Ricardo Verdugo, Ph.D.* (Chile)  
*Henrik Ullum, M.D., Ph.D.* (Denmark)  
*Philip Awadalla, Ph.D.* (Canada)  
*J. Michael Gaziano, M.D., M.P.H.* (USA)

**13:55 – 14:25 UTC**      **COVID-19 Panel: How can IHCC Take Action and Contribute to a Sentinel Network to Detect Emerging Infections/Pandemics?**

**Moderator:** *Kelly Gebo, M.D., M.P.H.*  
Johns Hopkins Medicine, USA

### **Confirmed Panelists**

*Christian Happi, M.Sc., M.D.* (Nigeria)  
*Norio Ohmagari, M.D., M.Sc., Ph.D.* (Japan)  
*Vanessa Moeder* (USA)  
*Leo Wolansky* (USA)

**14:25 – 14:40 UTC**      **Summit Summary and Next Steps**

*Geoffrey Ginsburg, M.D., Ph.D.*  
Duke University, USA