

Monday, March 21



11:00am - 11:40am (40 Min)

Day 1 Welcoming Remarks and an Overview of The Human Cell Atlas

Gordon Awandare Principal Investigator, Group Leader

West African Centre for Cell Biology of Infectious Pathogens

Sarah Teichmann

Head of Cellular Genetics and Senior Group Leader / Human Cell Atlas and Wellcome Sanger Institute Sanger Institute

Alex Shalek Principal Investigator

11:40am - 12:55pm (1 Hour, 15 Min)

Highlights of Single Cell Research and Discoveries in Africa

Dorit Hockman Principal Investigator University of Cape Town **Abdul Sesay** Genomics Core Member MRC Unit The Gambia Al Leslie Senior Researcher/Supervisor Africa Health Research Institute

Gordon Awandare Principal Investigator, Group Leader West African Centre for Cell Biology of Infectious Pathogens





Break



1:10pm - 2:15pm (1 Hour, 5 Min)

Experimental Design Issues and Discoveries

Paul Kelly Professor of Tropical Gastroenterology Queen Mary University of London Alex Sigal Professor Africa Health Research Institute **Collins Morang'a** PhD Research Fellow WACCBIP, University of Ghana

2 pm

2:15pm - 2:25pm (10 Min)

Break

Alex Shalek Principal Investigator

MIT

- 2:25pm - 3:15pm (50 Min)

Ethical Issues and Discoveries

Nicki Tiffin

Professor South African National Bioinformatics Institute, University of the Western Cape

Ma'n Zawati

Assistant Professor and Executive Director McGill University

Ntobeko Ntusi

Professor University of Cape Town and Groote Schuur Hospita



Monday, March 21



3:15pm - 3:25pm (10 Min)

Break

- 3:25pm - 4:25pm (1 Hour)

Technical Issues and Discoveries / Day 1 Closing Remarks and Preview of Day 2

Daniel Muema Post-Doctoral Trainee Africa Health Research Institute

Thumbi Ndung'u Deputy Director (Science) Africa Health Research Institute **Thomas Otto** Senior Lecturer University of Glasgow Holger Heyn Team leader CNAG



Tuesday, March 22



11:00am - 12:15pm (1 Hour, 15 Min)

Day 2 Welcoming Remarks and HCA as a reference for Disease Research Part 1

Alfred Amambua-Ngwa Group Leader MRC Unit The Gambia at LSHTM

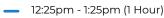
One Dintwe Research Officer Cape Town HVTN Immunology Laboratory Partha Majumder Distinguished Professor Indian Statistical Institute, Kolkata

Henrik Kloverpris Associate Professor Africa Health Research Institute



12:15pm - 12:25pm (10 Min)

Break



Group Leader

HCA as a reference for Disease Research Part 2

Abdoulie Kanteh Scientific Officer MRCG at LSHTM

Alfred Amambua-Ngwa

MRC Unit The Gambia at LSHTM

Christopher Moxon Principal Investigator University of Glasgow

Rowland Osii Research Assistant Kenya Medical Research Institute

1:25pm - 1:40pm (15 Min)

Break

1:40pm - 3:00pm (1 Hour, 20 Min)

3:00pm - 3:15pm (15 Min)

Opportunities for Collaboration

Christian Happi Principal Investigator ACEGID

Musa Kana

NIEHS

MD, PhD, Postdoctoral Research Fellow

Patricia Severino Principal Investigator Hospital Israelita Albert Einstein

Collen Masimirembwa Distinguished Research Professor Sydney Brenner Institute for Molecular Bio-science

Idowu Aimola Postdoctoral Fellow Ahmadu Bello University Zaria

Thumbi Ndung'u Deputy Director (Science) Africa Health Research Institute

3 pm

1 pm

Break



Tuesday, March 22

4 pm

3:15pm - 3:45pm (30 Min)

Future Directions for African Single Cell Research Panel

Alfred Amambua-Nowa Group Leader MRC Unit The Gambia at LSHTM

Musa Mhlanga Principal Investigator Radboud University

Gordon Awandare Principal Investigator, Group Leader

Christian Happi West African Centre for Cell Biology of Infectious Pathogens ACEGID

Nicola Mulder Professor and head of Computational Biology University of Cape Town

Principal Investigator

Thumbi Ndung'u Deputy Director (Science) Africa Health Research Institute

3:45pm - 4:15pm (30 Min)

Ask Me Anything Panel

Muzlifah Haniffa Professor and Associate Faculty Newcastle University and Sanger Institute

Ma'n Zawati Assistant Professor and Executive Director McGill University

Musa Mhlanga Principal Investigator Radboud University

Aviv Regev Executive Vice President of Genentech Research and Early Development / Human Cell Atlas Genetech

4:15pm - 4:55pm (40 Min)

Next Steps Townhall and Closing Remarks

Alfred Amambua-Ngwa Group Leader MRC Unit The Gambia at LSHTM

Musa Mhlanga Principal Investigator Radboud University

Christian Happi Principal Investigator ACEGID

Nicola Mulder Professor and head of Computational Biology University of Cape Town