



**HUMAN
CELL
ATLAS**

HCA Africa: Introduction to Single-Cell RNA-Seq Analysis Workshop (Virtual) RE-RUN / Agenda

Day 1 - 14 November 2022

11:40 AM - 3:55 PM GMT +0 / 6:40 AM - 10:55 AM Your local time (4 Hours, 15 Min)

Day 1 Broadcast

WATCH RECORDING

12:00 PM - 12:30 PM GMT +0 / 7:00 AM - 7:30 AM Your local time (30 Min)

General Human Cell Atlas Overview



Alex Shalek
Principal Investigator
MIT
Speaker

12:30 PM - 1:15 PM GMT +0 / 7:30 AM - 8:15 AM Your local time (45 Min)

Introduction to Experimental Sequencing Methods



Daniela Russo
Research Technician
Speaker

1:15 PM - 1:30 PM GMT +0 / 8:15 AM - 8:30 AM Your local time (15 Min)

Q & A

1:30 PM - 2:15 PM GMT +0 / 8:30 AM - 9:15 AM Your local time (45 Min)

Introduction to Computational Analysis Methods



Mr. Collins Morang'a
West African Centre for Cell Biolo...
Speaker



Vincent Appiah
WACCBIP-UG
Speaker

2:15 PM - 2:30 PM GMT +0 / 9:15 AM - 9:30 AM Your local time (15 Min)

Q & A

2:30 PM - 2:45 PM GMT +0 / 9:30 AM - 9:45 AM Your local time (15 Min)

Break

2:45 PM - 3:15 PM GMT +0 / 9:45 AM - 10:15 AM Your local time (30 Min)

R Studio prep



Vincent Appiah
WACCBIP-UG
Speaker

3:45 PM - 4:45 PM GMT +0 / 10:45 AM - 11:45 AM Your local time (1 Hour)

Introduction to R



Sarah Ingabire
Research Associate
Broad Institute
Speaker

4:45 PM - 5:00 PM GMT +0 / 11:45 AM - 12:00 PM Your local time (15 Min)

Q & A and Close Day 1

Day 2 - 15 November 2022

11:40 AM - 3:45 PM GMT +0 / 6:40 AM - 10:45 AM Your local time (4 Hours, 5 Min)

Day 2 Broadcast

WATCH RECORDING

12:00 PM - 12:15 PM GMT +0 / 7:00 AM - 7:15 AM Your local time (15 Min)

Q & A

12:15 PM - 1:00 PM GMT +0 / 7:15 AM - 8:00 AM Your local time (45 Min)

Data pre-processing and quality control lecture



Daniel Chafamo
Broad Institute
Speaker

1:00 PM - 1:15 PM GMT +0 / 8:00 AM - 8:15 AM Your local time (15 Min)

Q & A

1:15 PM - 1:30 PM GMT +0 / 8:15 AM - 8:30 AM Your local time (15 Min)

Break

1:30 PM - 2:30 PM GMT +0 / 8:30 AM - 9:30 AM Your local time (1 Hour)

R lab, introduction to R



Sarah Ingabire
Research Associate
Broad Institute
Speaker

2:30 PM - 2:45 PM GMT +0 / 9:30 AM - 9:45 AM Your local time (15 Min)

Break

2:30 PM - 4:00 PM GMT +0 / 9:30 AM - 11:00 AM Your local time (1 Hour, 30 Min)

R lab, single cell data exploration and quality control



Daniel Chafamo
Broad Institute
Speaker



Daniela Russo
Research Technician
Speaker

Day 3 - 16 November 2022

11:40 AM - 3:10 PM GMT +0 / 6:40 AM - 10:10 AM Your local time (3 Hours, 30 Min)

Day 3 Broadcast

WATCH RECORDING

12:00 PM - 1:15 PM GMT +0 / 7:00 AM - 8:15 AM Your local time (1 Hour, 15 Min)

Identification and biological interpretation of cell subsets lecture



Orr Ashenberg
Computational Biologist
Broad Institute
Speaker



Sergio Heli Triana Sierra
Broad Institute
Speaker

1:15 PM - 1:30 PM GMT +0 / 8:15 AM - 8:30 AM Your local time (15 Min)

Q & A

1:30 PM - 3:30 PM GMT +0 / 8:30 AM - 10:30 AM Your local time (2 Hours)

R lab cell subsets



Orr Ashenberg
Computational Biologist
Broad Institute
Speaker



Sergio Heli Triana Sierra
Broad Institute
Speaker

3:30 PM - 3:45 PM GMT +0 / 10:30 AM - 10:45 AM Your local time (15 Min)

Break

3:45 PM - 4:30 PM GMT +0 / 10:45 AM - 11:30 AM Your local time (45 Min)

Group presentations

4:30 PM - 4:45 PM GMT +0 / 11:30 AM - 11:45 AM Your local time (15 Min)

Summary and Closing Remarks

4:45 PM - 5:45 PM GMT +0 / 11:45 AM - 12:45 PM Your local time (1 Hour)

Office Hours