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Establishing Capacity for Pathogen Genomics

Alice Matimba

Wellcome Connecting Science and COG-Train

@eventsWCS

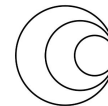
@COG_Train



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Introduction Day Agenda – Kena Hotel

- 12:00 – 13:00 - Lunch in restaurant
- 13:00 – 13:15 Registration - 9th floor +1
- 13:15 – 13:30 Welcome to Ethiopia
- 13:30 – 14:45 Introduce yourself
- 14:45 – 15:00 WCS-COG-Train
- 15:00 – 15:30 Coffee break
- 15:30 – 16:00 Introduction to the workshop
- 16:00 - 16:30 Group tasks
- 16:30 - 17:00 Pathogen Genomics Initiative
- 17:00 - 18:00 Networking event
- 18:30 Welcome Dinner - Restaurant

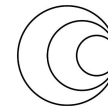


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Say hello and introduce yourself



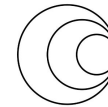
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In case of emergency
- follow procedures

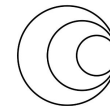


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Welcome to Ethiopia



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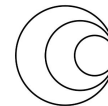
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Self introduction

- Greetings in your own language
- Name
- Affiliation
- Country
- Role



http://bit.ly/padlet_ECPG23



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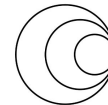
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Wellcome Connecting Science



Wellcome Sanger Institute | [Wellcome Connecting Science](#) | EMBL-EBI | Bio Innovation Centre

- We are funded by Wellcome
- We are part of the Wellcome Sanger Institute family, together with the Wellcome Genome Campus, within Genome Research Limited.
- Learning and Training
- Engagement and Society



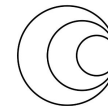
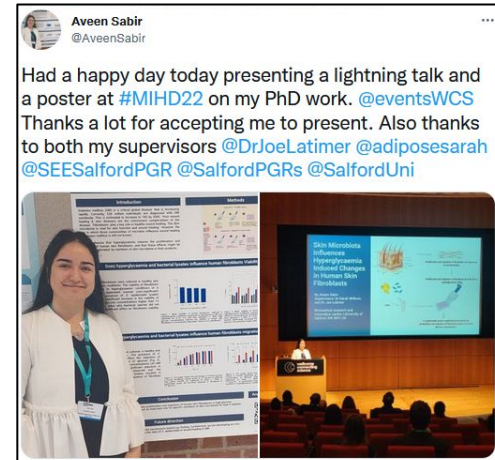
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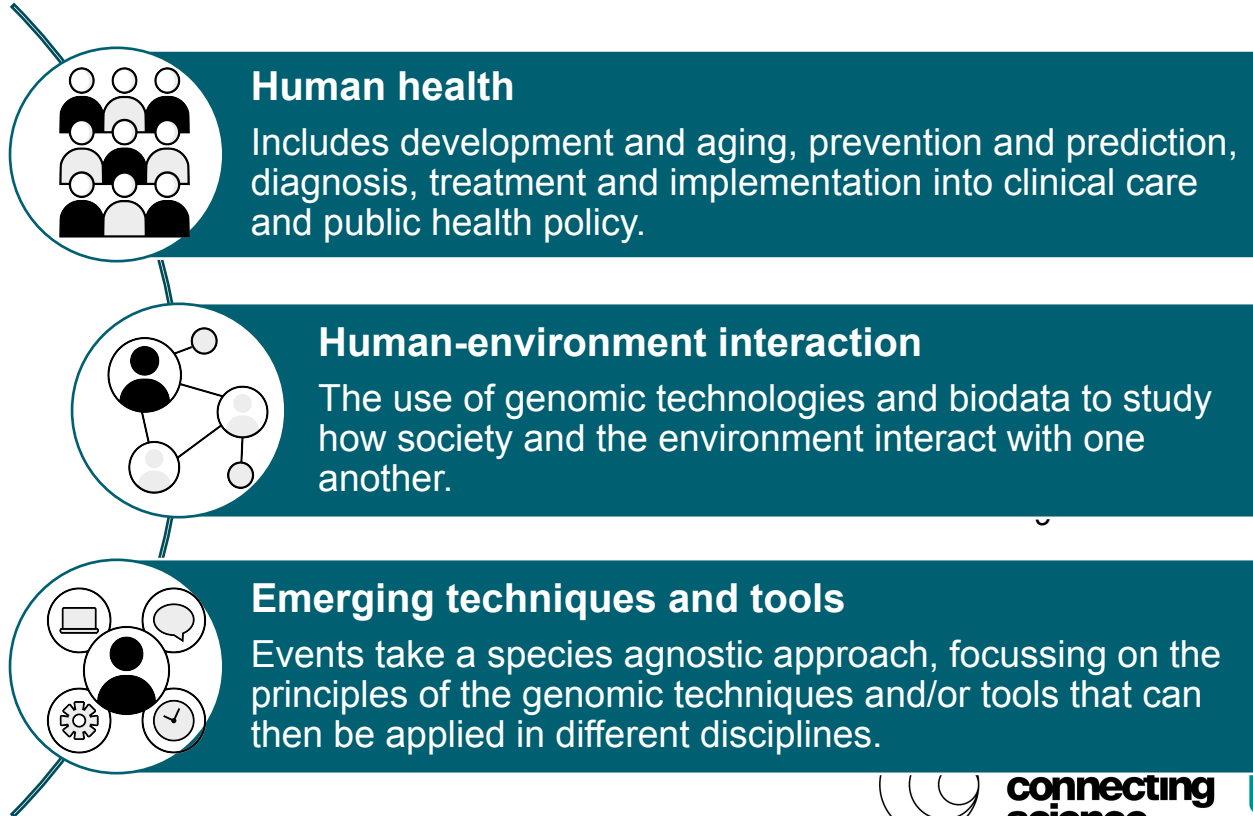
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What we do – learning and training

We develop and deliver evidence-based learning and training activities, events, and resources for research and healthcare professionals, who are, or will be, using genomic technologies and knowledge as part of their roles and who require support in developing their skills and understanding.



Our programme



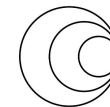
Learning and Training

Develop global capacity in genomics for scientists and healthcare professionals

Contribute to the development of genomic medicine

Dedicated team – content developers, IT and lab specialists, education experts, event organisers

We engage with 26,000+ people each year



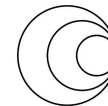
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[Listen to Your Digital Mentor Podcast](#), a series that aims to provide access to conversations and tips around mentoring and other aspects of research and career development.

<https://your-digital-mentor.simplecast.com>



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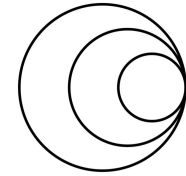


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COG-Train

COG-Train is a partnership between Wellcome Connecting Science and COG-UK to provide open-access learning in SARS-CoV-2 genomics.

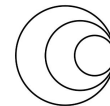
It aims to facilitate an increase in global genome sequencing and analysis capacity, reduce sequencing inequality and enhance pathogen surveillance.



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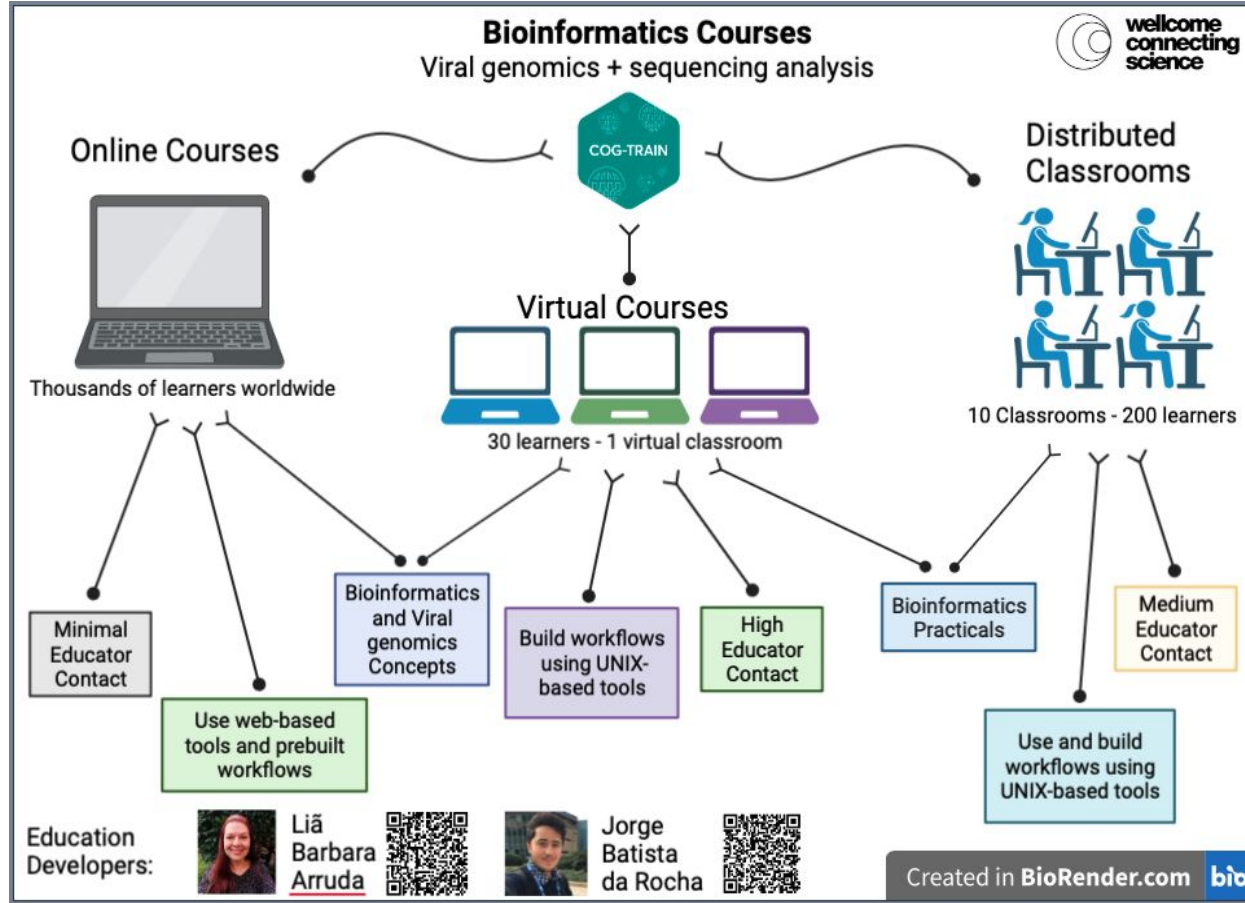
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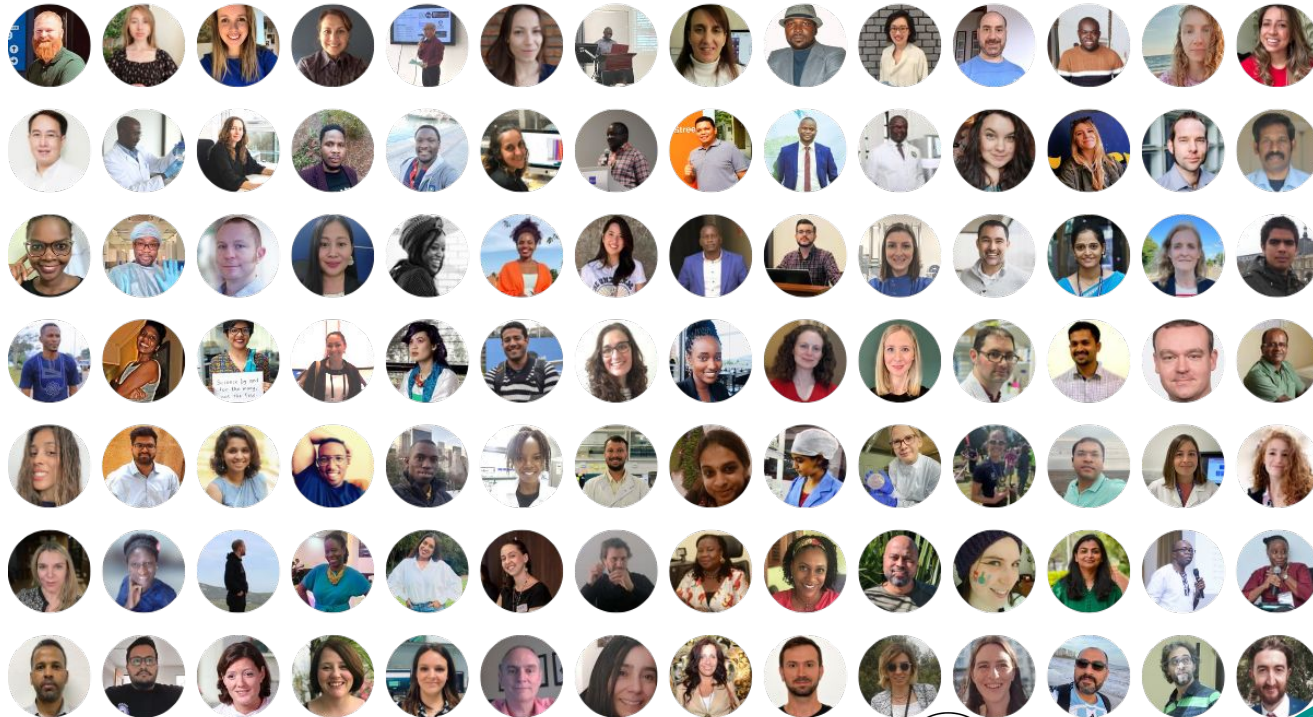
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Bringing people together



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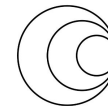


Establishing Capacity for Pathogen Genomics

7–12 May 2023

Ethiopian Public Health Institute, Addis Ababa, Ethiopia

Develop skills to advance capacity for pathogen genomics in Africa



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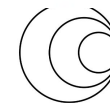
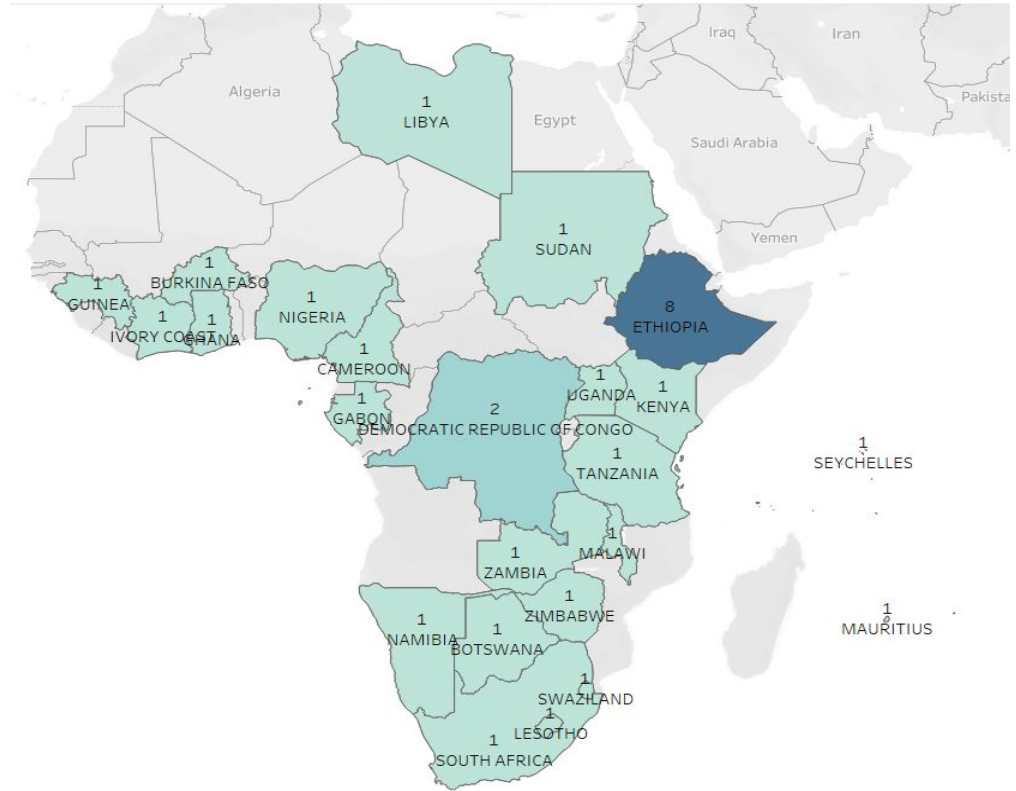
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Participants and training team

33 participants
from 25 countries

Training team from
9 countries

Facilitators for 12
countries

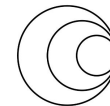




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Message of support for Sudan



		Establishing Capacity for Pathogen Genomics 7 - 12 May 2023 Ethiopian Public Health Institute, Addis Ababa						
Sunday 7 May		Monday 8 May	Tuesday 9 May	Wednesday 10 May	Thursday 11 May	Friday 12 May		
Introduction		Capacity Development Overview	Specimen and Sequencing	Data tools and pipelines	Frameworks, guidelines, comm & decision-making	Projects, networks & action planning		
07:00	Pre-workshop access via LMS	Breakfast (hotel residents only)	Breakfast (hotel residents only)	Breakfast (hotel residents only)	Breakfast (hotel residents only)	Breakfast (hotel residents only)	07:00	
07:30		Transport to EPHI	Transport to EPHI	Transport to EPHI	Transport to EPHI	Transport to EPHI	07:30	
08:00		Welcome to EPHI, Housekeeping	Arrival and day recap	Arrival and day recap	Arrival and day recap	Arrival and day recap	08:00	
08:30		Developing capacity for pathogen genomics	Specimen and data collection and processing	Setting up data infrastructure, processes	Frameworks and guidelines Ethics of Specimen and Data sharing	Outline - Plan a genomics capacity project	08:30	
09:00		Practical approaches - specimen, genomics and data infrastructure		Genomic data workflows, analysis, linkage, integration, interpretation			09:00	
09:30							09:30	
10:00		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	10:00	
10:30		Practical approaches - Genomics for public health interventions	Molecular microbiology	Genomic data workflows, analysis, linkage, integration, interpretation cond.	Building sustainability - Funding, Resources, Stakeholders, Skills	Present - Plan a genomics capacity project	10:30	
11:00		Challenges and opportunities - Group action planning					Setting up genomic sequencing	11:00
11:30							11:30	
12:00	REGISTRATION & LUNCH						12:00	
12:30							12:30	
13:00	Welcome and Introductions	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	13:00	
13:30							13:30	
14:00		Design genomics training I - Training design elements	Setting up genomic sequencing infrastructure, processes cond.	Data science tools for public health	Communication of data & public health decision-making	Action planning - networks and mentorship	14:00	
14:30	Learning & Training Skills		Translating to own contexts I-sample to sequencing	Translating to own contexts II-data analysis workflows			14:30	
15:00							15:00	
15:30						Workshop wrap-up	15:30	
16:00	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break	Coffee & end of workshop	16:00	
16:30	Intro seminars - Pathogen Genomics in Africa	Establishing needs for pathogen genomics skills development	Design genomics training II - Specimen to sequencing	Designing training III - Data analysis, tools and resources	Communication of data & public health decision-making cond.	Transport to hotel	16:30	
17:00								
17:30	Networking session	End of day wrap-up	End of day wrap-up	End of day wrap-up	Introduction to Project		17:30	
18:00		Transport to hotel	Transport to hotel	Transport to hotel	Transport to hotel		18:00	
18:30	Welcome dinner (ALL)						18:30	
19:00		Dinner (hotel residents only)	Dinner (hotel residents only)	Dinner (hotel residents only)	Dinner (hotel residents only)	Dinner (hotel residents only)	19:00	
19:30							19:30	
20:00							20:00	
Sunday 7 May		Monday 8 May	Tuesday 9 May	Wednesday 10 May	Thursday 11 May	Friday 12 May		



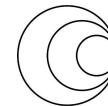
Key Course Materials and Tools

- Timetable
- Workshop booklet
- Platforms
 - Learning Management System
 - Whatsapp
 - Email

cog-train@wellcomeconnectingscience.org



http://bit.ly/LMS_ECPG



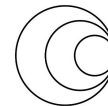
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Hotel guests

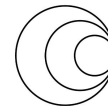
- Hotel bed, breakfast, lunch and dinner covered by WCS-COG-Train. Any other additional charges to be paid by guest (room service, laundry, bar drinks, mini bar etc...)
- Breakfast starts at 6 am
- Shuttle to EPHI – 7.15 am
- Return airport transfers arranged – confirm hotel-airport pick up times.
- If leaving on Friday please check out in morning and store bags at front desk



Workshop contract, ground rules

- Arrive on time
- Attend all sessions
- Participate in activities
- Respectful challenge (challenge with respect)
- Listen when others are speaking
- Be responsible for our own learning
- Confidentiality
- Support the learning of others

Anything else to add to the list?



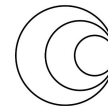
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All workshop participants and facilitators

- **Morning** - Workshop starts at 8:30 at EPHI, please be on time
- **Evening** – Workshop ends at 18:00
- Lunch and teas (see timetable)
- Wear badges at all times
- Provide feedback at anytime; end of workshop survey



Acknowledgements

- Training team
- Participants – many countries
- Ethiopian Public Health Institute
- Africa CDC and African Pathogen Initiative
- Morocco Society of Human Genetics
- Local organisers
- WCS and COG-Train teams



@eventsWCS
@COG_Train
@EPHIethiopia
#pathogenomicscapacity

