

Welcome to the network meeting

We start at 9:30



FWD AMR.
RefLabCap

FWD AMR-RefLabCap
First network meeting
30 November – 1 December 2021


Food- and Waterborne Diseases Antimicrobial Resistance –
Reference Laboratory Capacity



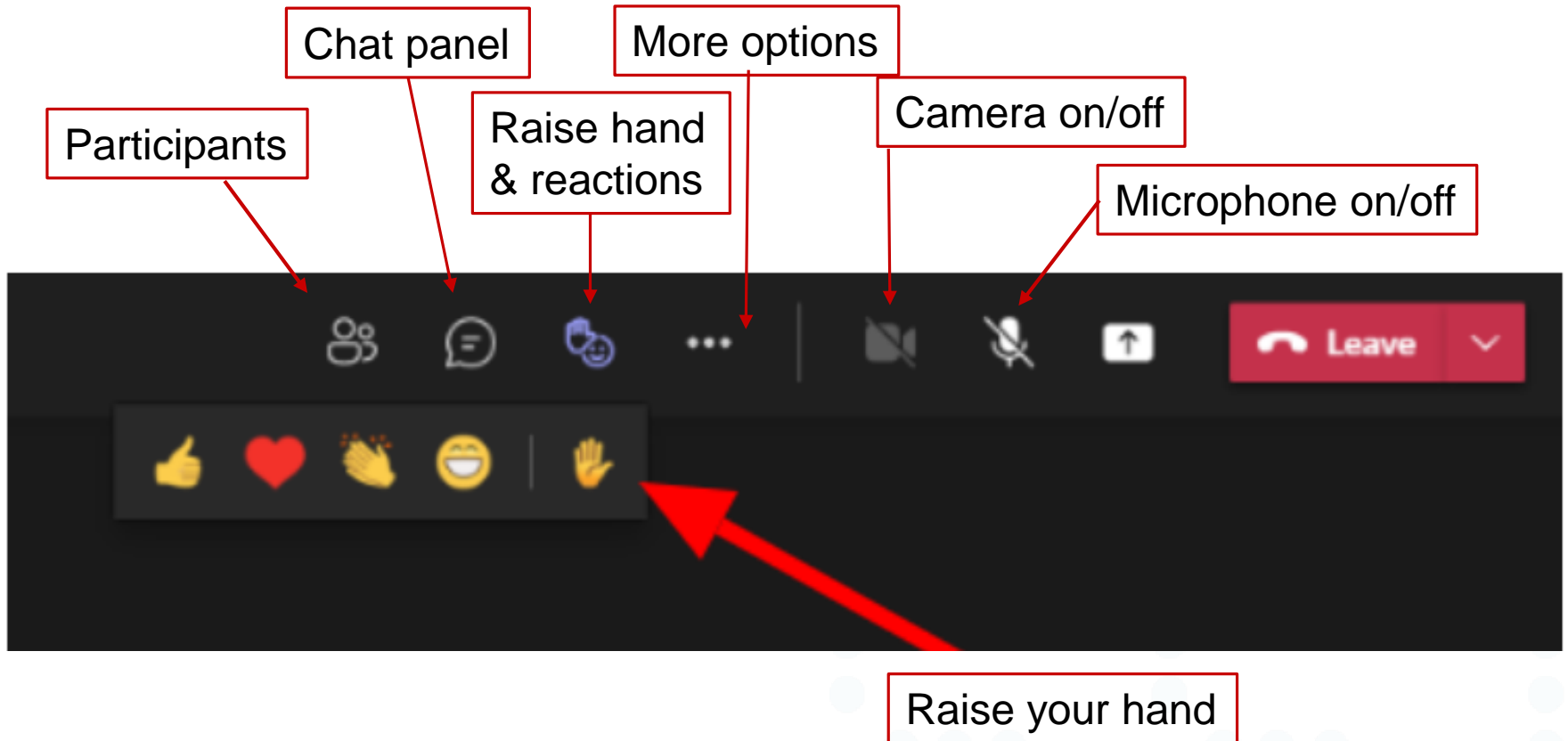
09:00-09:30	Log-on to meeting	
09:30-10:55	Session 1. Chairs – Eva Møller Nielsen, René Hendriksen	
09:30-09:50	Welcome and roll call of participants	Eva Møller Nielsen, SSI
09:50-10:05	Intro to the FWD AMR-RefLabCap project	Eva Møller Nielsen, SSI
10:05-10:20	EC's expectations of the project	Marc Vandebroek, HaDEA
10:20-10:55	Minimum/optimal requirements of NRLs and survey results on capacity for testing and surveillance of AMR	Egle Kudirkiene, SSI
10:55-11:15	Break	
11.15-12:40	Session 2. Chairs – René Hendriksen, Eva Møller Nielsen	
11:15-11:35	Work plan of activities for all countries	René Hendriksen, DTU
11:35-12:10	Group discussions on hands-on lab course, multi-disciplinary training, and EQAs	All
12:10-12:40	Feedback from groups	All
12:40-13:40	Lunch break	
13:40-15:15	Session 3. Chairs – Eva Møller Nielsen, Egle Kudirkiene	
13:40-14:00	Update on current EQAs of AST on Salmonella and Campylobacter	Jeppe Boel, SSI
14:00-14:20	Harmonisation of method: isolation of Campylobacter from animal faeces/caecum for AMR monitoring	Hanna Skarin, EURL-Campylobacter (SVA)
14:20-14:40	Intro to activities supporting the NPHRLs in regional/local capacity building	René Hendriksen, DTU
14:40-15:05	Experience from setting up network of local laboratories	Pieter-Jan Ceysens, Belgium
15:05-15:15	Conclusions of the first day	Eva Møller Nielsen, SSI

08:45-09:00	Log-on to meeting	
09:00-10:30	Session 4. Chairs – Eva Litrup, Susanne Schjørring	
09:00-09:20	Project plan for activities related to WGS	Eva Litrup, SSI
09:20-09:40	Results of survey in relation to WGS capacity and methods	Egle Kudirkiene, SSI
09:40-10:10	ECDC strategy on WGS-based surveillance	Karin Johansson, ECDC
10:10-10:30	Country presentation: how NRL has implemented WGS-based AMR surveillance	Niall DeLappe, Ireland
10:30-10:50	Break	
10:50-12:10	Session 5. Chairs – Eva Møller Nielsen, Egle Kudirkiene	
10:50-11:10	EURL-AR protocol: harmonisation of WGS AMR data	Jette Sejer Kjeldgaard, EURL-AR (DTU)
11:10-11:30	EQAs on WGS-based cluster analysis for NPHRLs	Susanne Schjørring, SSI
11:30-11:45	Review on WGS-based methods for AMR prediction	Ana Rita Bastos Rebelo, DTU
11:45-12:00	Overview of upcoming activities	Eva Møller Nielsen, SSI
12:00-12:10	Wrap-up and closure of meeting	Eva Møller Nielsen, SSI

House rules

- Mute your microphone when not speaking
 - Raise your hand to get the word for questions or comments
 - Write in the chat for questions or comments
 - If experiencing major problems, e.g. when re-connecting to the meeting, write an email to fwdamr@ssi.dk
- 

Microsoft Teams tool bar



List of participants



FWD AMR-RefLabCap

Food- and Waterborne Diseases Antimicrobial Resistance –
Reference Laboratory Capacity



FWD AMR.
RefLabCap

Provision of EU networking and support for public health reference laboratory functions for antimicrobial resistance in *Salmonella* and *Campylobacter* in human samples

- ❖ The project is run under a contract with HaDEA on behalf of DG SANTE and in close cooperation with ECDC
- ❖ 4-year project: **2021-2024**

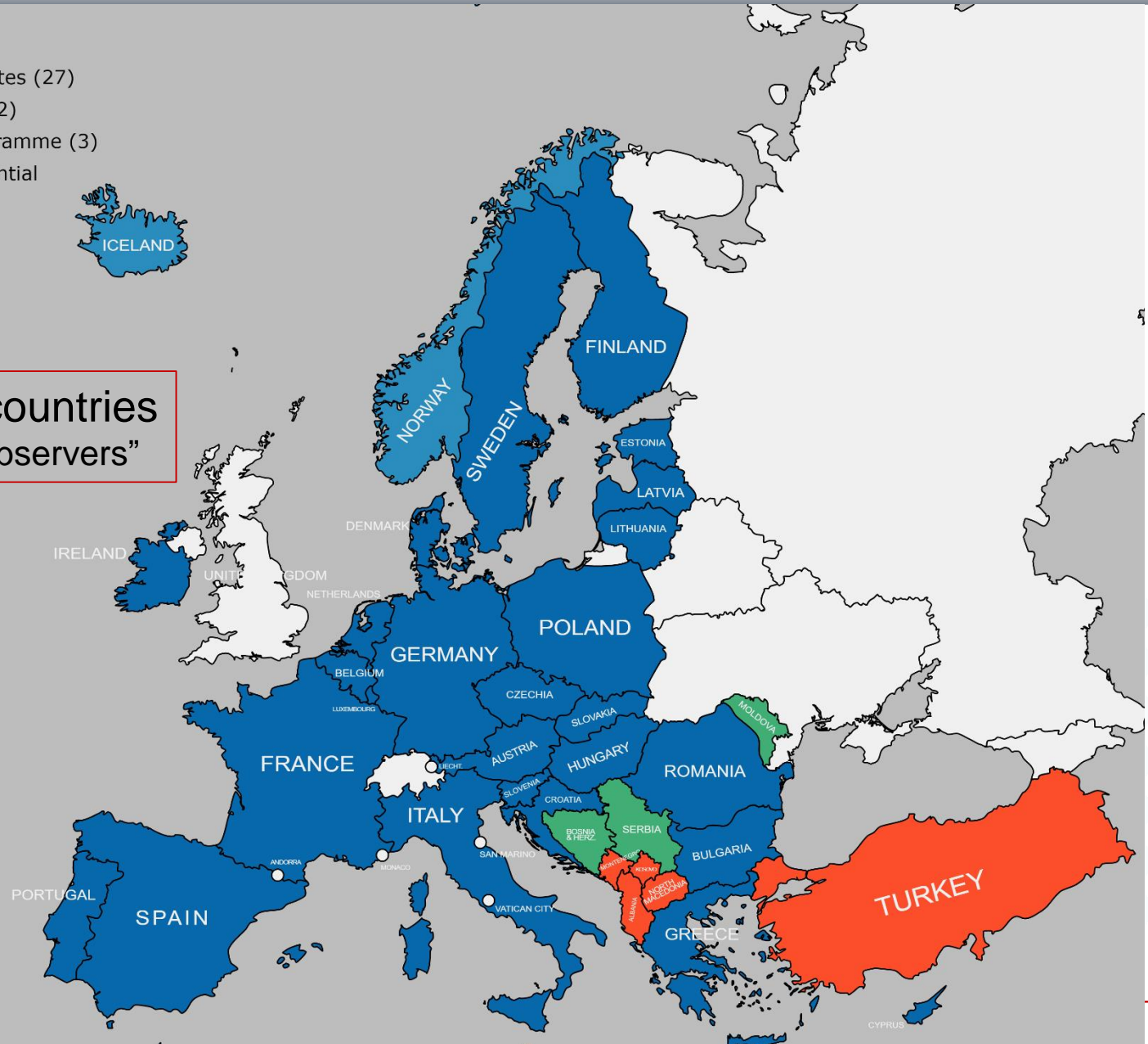
- ❖ Contractors:
 - Statens Serum Institut (SSI)
 - Project leader: Eva Møller Nielsen, Section of Foodborne Infections

 - National Food Institute, Technical University of Denmark (DTU)
 - René Hendriksen, Research group for global capacity building

All invited countries participate (32 + 5)

- EU member states (27)
- EEA countries (2)
- EU Health Programme (3)
- Candidate/potential candidate (5)

44 labs in 37 countries
5 of these are "observers"



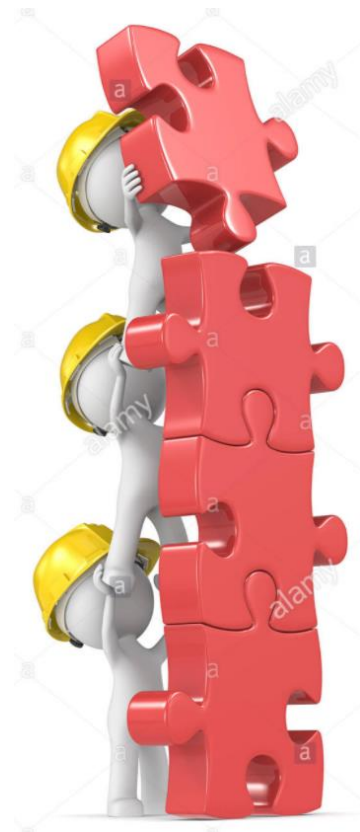
- ❖ Support countries to enhance the **validity and accuracy of surveillance data** in order to inform concerted actions against AMR at EU level and enable better **detection and control of cross border threats** to human health from AMR
- ❖ AMR in *Salmonella spp* and *Campylobacter spp* in human samples
- ❖ Cooperation with ECDC, DG SANTE and when relevant also EFSA and EURLs
- ❖ Participants:
 - Countries participating in the EU Health programme
 - Candidate and potential candidate countries, other funding

Networking and capacity building activities provided to national public health reference laboratories to improve their functions for AMR surveillance of human *Salmonella* and *Campylobacter* infections

Modernisation of methods for diagnostics, typing and AMR by using whole genome sequencing (WGS)

Activities to support the role of NRLs for public health to work with and **build capacities in the regional and local laboratories** in their own countries

A specific focus on countries where capacities are less well developed



Training

Methods

Capacity building

Networking

Network meetings, workshops, online presentations

- exchange of experience, best practice, inspiration
- discussions on NRL requirements, protocols, feedback on activities

Website: Protocols, guidance docs, training material, links



Food- and Waterborne Diseases Antimicrobial Resistance - Reference Laboratory Capacity



FWD AMR- RefLabCap

News

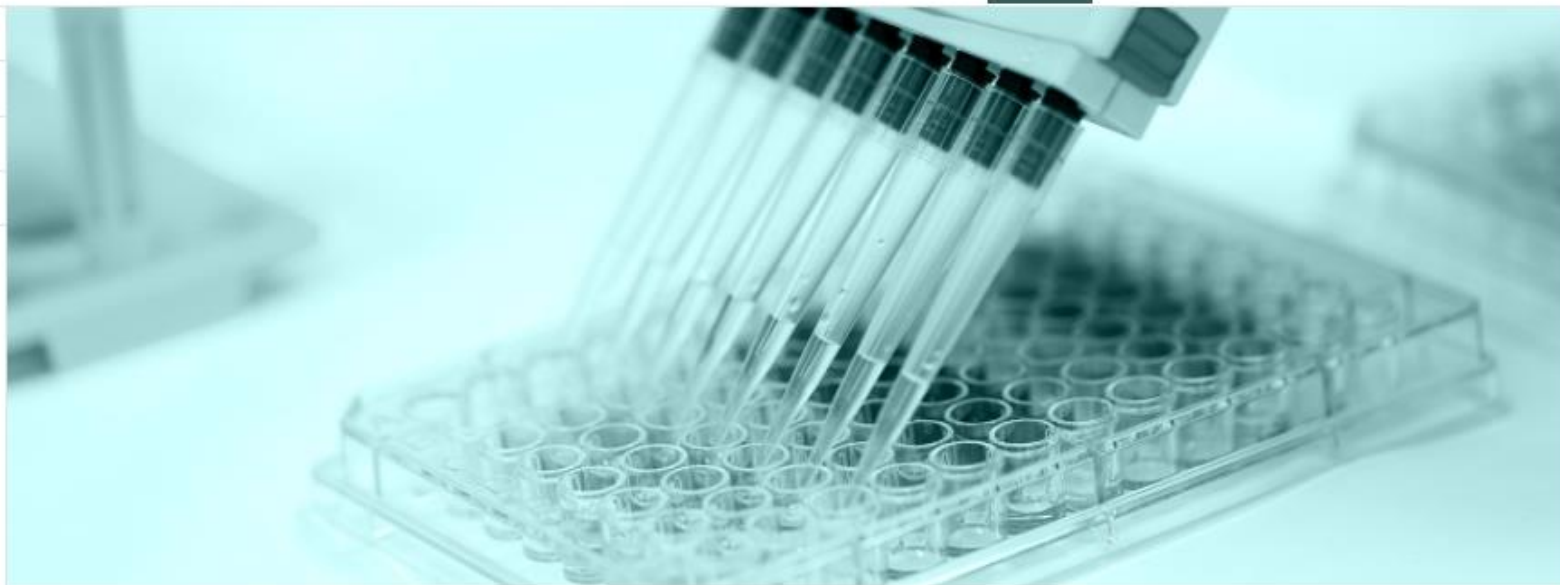
[30 November – 1 December 2021, Network meeting online](#)
10 November 2021

[7 September - online meeting](#)
10 September 2021

[Welcome to FWD AMR-RefLabCap](#)
12 May 2021

12 May 2021

Welcome to FWD AMR-RefLabCap

[Protocols and guidelines](#)[Other networks](#)[Antimicrobial resistance](#)[Organisations](#)[Home](#) / [Resources](#)

Resources

Material of relevance for the FWD AMR-RefLabCap Network participants.

Updated 31 May 2021

In the menu to the left, you can find protocols, guidelines and training material of relevance for the FWD AMR-RefLabCap project, including material developed during this 4-year project. In addition, we have collected links to homepages related to the topic antimicrobial resistance as well as relevant organisations and networks.

[Home](#) / [Events](#)

Events

Here, we announce network meetings, workshops, training courses, etc.
Contact us at fwdamr@ssi.dk for further information.

Updated 26 August 2021

7 September 2021 14:00-15:00 – online meeting

General introduction to the project and introduction to a capacity survey to be conducted in September 2021 among all participating laboratories.

Online meeting for representatives from all laboratories in the FWD AMR-RefLabCap network. Invitations were sent to the listed contact emails on 25 August 2021.

30 November – 1 December 2021 (tentative) – Network meeting at SSI, Copenhagen, Denmark

First network meeting with the aim of facilitating exchange of information and good practice between the participating national reference laboratories. Planned activities of the project will be presented and discussed.

The 2-day meeting is planned as a physical meeting at SSI for two representatives from each country as well as representatives from relevant EURLs in the food safety area. The meeting might be changed to an online meeting or a hybrid online/physical meeting depending on possible travel

❖ Identify capacity/capability gaps in all countries

- Existing information
- Survey in network



❖ Capacity building activities for all NRLs

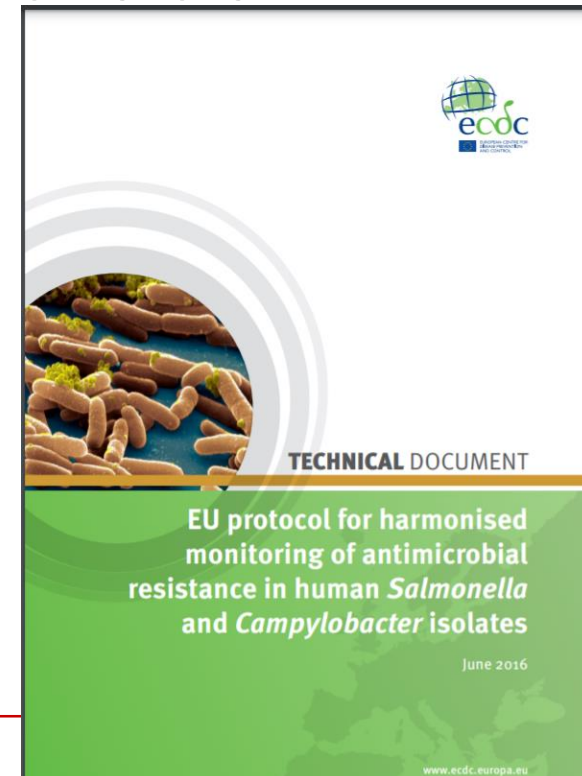
- Lab training courses
- Workshops and surveillance exercises on integrated WGS-based surveillance

❖ Tailored support to 'priority countries'

- Country visits
- Action plans



- ❖ Propose optimal methodologies for AMR detection, integrated into WGS-based surveillance for cluster detection
 - Existing guidance and literature, incl. bioinformatics and databases
 - Set of common methods and standard protocols for national surveillance
 - Agreement in network
- Review/amend existing EU protocol for AMR surveillance to include genetic AMR determinants



- Multi-disciplinary training workshops and webinars for PH epidemiologists and microbiologists
 - integration of WGS into national AMR surveillance and outbreak investigation
- EQAs of WGS-based resistome profiling
 - 3 rounds for all NRLs
- Inter-laboratory ring-trials of bioinformatics pipelines for prediction of AMR



Home > Life Sciences > Medicine & Healthcare

Antimicrobial resistance – theory and methods

About this course: The course will cover the topics related to antimicrobial resistance with basic definitions and overview on antimicrobials their use and the emergence and spread of resistance. The course will guide you through the concepts and the importance of resistance spread and dissemination and how that happens. It will show you how bacteria become resistant and which mechanisms they might use.

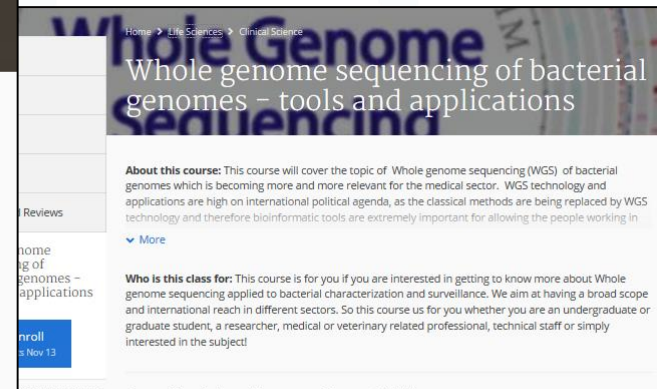
Who is this class for: This course is for you if you are interested in getting to know more about antimicrobials and antimicrobial resistance in bacteria. We aim at having a broad scope and international reach in different sectors. So this course is for you whether you are an undergraduate or graduate student, a researcher, medical or veterinary related professional, technical staff or simply interested in the subject.

Created by: Technical University of Denmark (DTU)

DTU

Enroll
Started Oct 30

Financial Aid is available for learners who cannot afford the fee. Learn more and apply.



Home > Life Sciences > Clinical Science

Whole genome sequencing of bacterial genomes – tools and applications

About this course: This course will cover the topic of Whole genome sequencing (WGS) of bacterial genomes which is becoming more and more relevant for the medical sector. WGS technology and applications are high on international political agenda, as the classical methods are being replaced by WGS technology and therefore bioinformatic tools are extremely important for allowing the people working in the field to handle the data.

Who is this class for: This course is for you if you are interested in getting to know more about Whole genome sequencing applied to bacterial characterization and surveillance. We aim at having a broad scope and international reach in different sectors. So this course is for you whether you are an undergraduate or graduate student, a researcher, medical or veterinary related professional, technical staff or simply interested in the subject.

Created by: Technical University of Denmark (DTU)

DTU

Enroll
Nov 13

Financial Aid is available for learners who cannot afford the fee. Learn more and apply.

Support NRLs to build capacities in local/regional labs

- ❖ Support NRLs in mapping the regional/local labs' capacities for detection and characterization of *Salmonella* and *Campylobacter*
 - Strengths/weaknesses and gaps/further needs for each country
- ❖ Support NRLs to carry out regional capacity building (≥16 MSs)
 - Physical and online meetings and workshops
 - Learning material
 - Ongoing individual support
- ❖ Support NRLs to establish national network of labs
- ❖ Model protocol for national surveillance of AMR in Salm/Campy
- ❖ Guidance for internal QC schemes for reference AMR testing

