

EURESIST MENTOR SCHOOL 2018

3 May 2018

Stadthotel am Roemerturm

Sankt-Apern-Straße 32

50667 Köln

Scientific Committee

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Supervisors

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Tutors

Technical:
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Matthias Döring
Clinical:
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RATIONAL

Starting from 2008, the EuResist Network collects HIV resistance data of patients from Europe and beyond (>82.000 patients) and promotes a culture of multidisciplinary and collaborative research. The EuResist Integrated DataBase (EIDB) is a precious resource to study all aspects related to the variability of viral agents and to their evolution in response to therapy, resistance to antiviral drugs, the durability, comorbidity, response to different antiviral treatments in specific patient populations.

After the successful experience of the Italian ARCA Mentor School, EuResist Network proposes the EuResist Mentor School with the aim of training clinicians, virologists and experimenters on the possibilities of using the EIDB and observational databases in general.

Learning objectives

- To learn the basics of database management
- To learn how to translate a scientific question or hypothesis into a structured query
- To learn the basics of Structured Query Language (SQL)
- To learn basics of statistics
- To learn how to prepare a scientific presentation and write a scientific paper
- Overall: to learn how to exploit the power of real world medical data

PROGRAMME

The program is divided in two phases: an on-site intensive session, and a 9-month remote follow-up phase.

On-site phase

Eight hours of practice in breakout sessions and discussions led by a medical trainer and a IT/statistical trainer. Groups of 12-15 will be assigned a scientific question and two tutors: one medical and one IT. The tutors will guide the participants to critical analysis of the topics and construction of standard SQL statements to query the database accordingly. The groups will present the results of their teamwork in a plenary session for general discussion of methods, problems et cetera. The database for the course will be a significant portion of the EIDB, made available to allow effective practicing with the SQL syntax and to perform preliminary feasibility studies.

3rd May 2018

- 8:30 - 9:00 Registration
- 9:00 - 9:30 Course presentation
- 9:30 - 13:00 Teamwork with tutors
- 13:00 - 14:00 Light lunch
- 14:00 -17:15 Teamwork with tutors
- 17:15-17:30 Coffey break
- 17:30-18:45 Plenary presentation of teamwork results and comments from the supervisors
- 18:45-19:00 Learning assessment

Follow-up phase

The queries generated in the breakout sessions will be run on the complete EIDB, the results will be discussed and prepared for conference papers or other publications, as appropriate. Each group is assigned a space on a web-based collaborative platform for documents and data exchange, co-working, messaging, video-conferencing.

The groups are followed-up by the tutors with bi-monthly teleconference meeting.

ATTENDING THE EURESIST MENTOR SCHOOL

Interested young physicians and virologists can send their applications to f.incardona@euresist.org

For the selected participants (up to 30) the course is free and comprises lodging (2 nights) and meals.

The course is accredited for CME.