



Programme

Statistical methods in forensic genetics

Train the trainers Workshop

7 – 10 October 2013

Copenhagen, Denmark





Purpose of the course

The purpose of the course is to offer training of one colleague from each European country in statistical methods in forensic genetics so that he/she can organise training in forensic genetic statistics in his/her own country as soon as possible.

Preparations for the course

Participants must bring a reasonably fast laptop with the following applications installed (assistance for installation will be provided at the workshop, if needed. Note that installation is typically only possible if you are administrator on your laptop):

- R (<http://cran.r-project.org/>)
- forensim (<http://forensim.r-forge.r-project.org/>)
- FamLink and FamLinkX (<http://www.famlink.se/>)
- Familias 2.0 (same as 1.97, <http://familias.name/>)
- Familias 3.0 (http://arken.umb.no/~dak/Familias_Beta/). Updated version may appear just before the course.

Literature

Tutorials and papers can be found starting from above links. Additional course material (handouts, exercises can be downloaded from <http://arken.umb.no/~theg/Copenhagen2013/> after Oct 1, 2013.

Teachers

Thore Egeland (team leader): <http://www.umb.no/ikbm/ansatte/thore.egeland>

Guro Dørum: <http://www.umb.no/ikbm/ansatte/guro.dorum>

Oskar Hansson: <http://no.linkedin.com/pub/oskar-hansson/47/207/970>

Daniel Kling: <http://www.umb.no/ikbm/ansatte/daniel.kling>.

Place of course

Section of Forensic Genetics
Department of Forensic Medicine
Faculty of Health and Medical Sciences, University of Copenhagen
11 Frederik V's Vej, 6th Floor,
DK-2100 Copenhagen, Denmark
Contact: +45 21 20 61 10 (Niels Morling)



Programme

Day 1: Monday, 7 October 2013

Until 14:00h: arrival of participants

14:00-17:00 Preliminaries (Thore Egeland)

Principles, paternity index, LR, W, Bayes theorem on odds form.

Exercises: Pen and pencil. Familias 2.0.

Day 2: Tuesday, 8 October 2013

09:00-12:30 Kinship cases (Thore Egeland)

Theta correction, mutation, silent alleles, complex pedigrees.

Demonstration of the computer programme Familias 2.0.

Exercises: Computer programme Familias 2.0

13:30-17:00 Familias extensions (Daniel Kling)

Familias 3.0 (simulation, DVI modul).

Exercises and demonstrations.

Day 3: Wednesday, 9 October 2013

09:00-12:30 (Daniel Kling)

Linkage and linkage equilibrium

The computer programmes Famlink and FamlinkX.

Exercises: Computer programmes Famlink and FamlinkX.

13:30-14:15 Introduction to R, forensim and LRmix (Oskar Hansson)

14:30-17:00 DNA mixtures (Guro Doerum, Oskar Hansson)

More principles: Clayton Rules

Likelihood ratio.

Main part: Binary LR,

Mention: Drop-out, drop in, Stutters

Exercises: Pen and pencil. Computer

Day 4: Thursday, Oct 10 2013

09:00-12:00 More on forensim and LRmix. (Oskar Hansson and Guro Doerum)

Further demonstration of the computer programme forensim and LRmix.

Exercises: LRmix.



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12:00-12:30 Final discussion and summary (Thore Egeland)

12:30-14:00: Lunch and departure.

Breaks

Lunch: 12:30 – 13:30.

Coffe/tea breaks: 10:30-10:45 and 15:30-15:45.

Registration

You have been invited by Euroforgen-NoE. Please send your contact details, including mobile/cell phone number to niels.morling@sund.ku.dk.

Please register on site at the course on 7 October 2013 between 12:30 and 13.45.

Hotel

A number of rooms have been reserved for all participants at

CABINN Scandinavia Hotel
Vodroffsvej 55
DK-1900 Frederiksberg
Denmark.
Phone: +45 35 36 11 11
sca@cabinn.com

More information concerning booking and payment will be sent later. Please do not try to book a room until you have received confirmation from Niels Morling.

Cost information for participants

Detailed information is available in the document **Trainers-Cost-Info-3071.pdf** that has been sent to you by e-mail.

Inquiries

Please send inquiries by e-mail to Niels Morling – niels.morling@sund.ku.dk.

Best wishes,



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Niels Morling
Organiser on behalf of EUROFORGEN-NoE