

EUROPEAN DNA PROFILING GROUP (EDNAP) MEETING

The Hague, The Netherlands

13 April 2010

Host: Ate Kloosterman.

Chairman: Niels Morling.

A list of participants is attached.

Welcome

Ate Kloosterman

Ate Kloosterman welcomed members to The Hague.

Update on exercises and other activities

mRNA exercise no 2

Cordula Haas

The results of the 2nd exercise on mRNA were presented by Cordula Haas (presentation attached). The results with the 2-plex were very good, while the results with the 5-plex were good in most but all labs. Cordula Haas will, assisted by Jack Ballantyne and Niels Morling, make a draft of manuscript for the FSI: Genetics. Cordula Haas agreed to formulate a detailed project plan for investigations of other tissues, including semen and saliva. Sally-Ann Harbison offered to circulate material for a multiplex mRNA ---- (FSI:Genetics 2010; ,.....). The plan is to circulate reagents and samples in the autumn 2010.

EMPOP

Walther Parson

Walther Parson gave an update on the new query engine used in EMPOP2. Haplotype searches are now performed as sequence strings into which both the query and the database sequences are turned. Matching sequences and neighbours are reported in difference coded format again to feedback the user with the details. This search engine is immune to the annotation of the query haplotype and will always find matching sequences. Another new feature is the emp-tool that performs plausibility checks on data tables and thus helps improving the quality of published mtDNA datasets. EMPOP 2 will go online in April 2010.

Updates from other groups

ENFSI DNA Working Group

Ingo Bastisch

Ingo Bastisch reported on the activities of the various subgroups (presentation attached). New 12 ESS loci standard to be implemented by 30 November 2011. Accrediation of DNA labs to be implemented 4 years (fingerprints 6 years) ENFSI now has a status as EU monopoly organisation. A grant of 600.000 € for interpretation has been obtained. EDNAP members are welcome to register as guests for the ENFSI meetings.

Interpol

Ingo Bastisch

New handbook on DNA available. Contact IPSG if you need more copies. New ESS will be included in the Interpol forms and database replacing FES, CD4, GABA, F113A1, F13B.

SNPforID GenPlex exercise

Niels Morling

The results of the exercise were presented at the ISFG Congress 2009 (FSI: Genetics Supplement Series). A draft of a manuscript for a full-length article was circulated to the participants and will be submitted as soon as possible.

ISFG

Niels Morling

Niels Morling summarized the activities of the ISFG: The 2011 ISFG Congress in Vienna, the ISFG Commission on DNA of limited quality and/or quantity, Commission of the International Society for Forensic Genetics: Non-Human DNA Typing in Criminal Investigations, educational course in forensic genetics: course 7-9 June 2010 in Copenhagen - please visit the ISFG web site which will guide you to the web site of the course. The programme includes interpretation of complex STR results, DVI, mtDNA and Y-chromosome.

ISFG DNA Commission

Peter Gill

Peter Gill gave a short summary of the present state of the work of the ISFG DNA Commission on DNA of limited quantity and/or quality (presentation attached).

University of Central Florida

Jack Ballantyne

Jack Ballantyne presented the research activities of the group (presentation attached).

ESR, New Zealand

Sally-Ann Harbison

Sally-Ann Harbison presented the forensic genetics activities in New Zealand (presentation attached).

Australia

John Scheffer

John Scheffer presented experiences concerning contamination and reporting at the Victoria Police Forensic Services Department, Australia (two presentations attached).

Estimation of drop-out probabilities

Hinda Haned

Hinda Haned presented methods for estimation of drop-out probabilities. The method is implemented in Forensim (presentation attached). A link to the Forensim web site can be found at the ISFG web site.

Estimation of drop-out probabilities

Roberto Puch-Solis

Roberto Puch-Solis presented a comparison of two for estimation of drop-out probabilities. (presentation attached).

EU Funding

Angel Carracedo

Angel Carracedo presented the present possibilities for obtaining support from the EU (presentation attached).

EDNAP web site update (www.isfg.org/EDNAP)

Peter Schneider

Minutes from previous meetings will be posted on the web site.

Any other business

There were no other business.

Next meeting

The next EDNAP meeting will be held in Kiev in conjunction with the next ENFSI DNA Working Group Meeting 27 September 2010.

Closing of the meeting

The meeting closed with sincere thanks to Ate Kloosterman and colleagues.

Attachments

- List of participants
- Presentations by
 - Cordula Haas: mRNA exercises
 - Walther Parson: Update on EMPOP activities
 - Ingo Bastisch: Summary of ENFSI activities
 - Jack Ballantyne: Update on research at the National Center for Forensic Sciences
 - Sally-Ann Harbison
 - John Butler: Update from NIST)
 - John Scheffer (Contamination and withdrawal)
 - Hinda Haned: Estimation of drop-out probabilities
 - Roberto Puch-Solis: Estimation of drop-out probabilities.
 - Angel Carracedo: EU Funding.