

THE 28th CONGRESS OF THE INTERNATIONAL SOCIETY FOR FORENSIC GENETICS

9 - 13th SEPTEMBER 2019, PRAGUE, CZECH REPUBLIC, PRAGUE CONGRESS CENTRE



PRE-CONGRESS WORKSHOP

FW2 – Kinship statistics using Familias and FamLink

Organisers: Thore Egeland & Daniel Kling

Type: Full Day Workshop, Hands-on

Date & Time: Tuesday, 10 September (9:00-18:00)

The workshop provides the necessary background for relationship inference using autosomal markers. Statistical methods are introduced and the likelihood ratio based approach is emphasized. Models for linked markers are discussed and their relevance for recent forensic applications are illustrated. The freely available softwares Familias and FamLink exemplified. The former software is restricted to unlinked autosomal markers. However the functionality goes beyond standard kinship problems and includes modules for simulation, disaster victim identification and familial searching. The program FamLink has recently been extended to deal with any number of linked markers (STR-s or SNP-s). The open software R is introduced, and the relevance for plotting of pedigrees and estimation of haplotype frequencies is demonstrated. The participants should bring a laptop with the mentioned software installed.

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