



Genetisti Forensi Italiani

STATISTICAL METHODS IN FORENSIC GENETICS

Bologna, 8-11 June 2015

FINAL PROGRAM

Monday 8

Until 14:00: arrival of participants

14.00-14:15

Prof.ssa Susi Pelotti

Welcome of the GeFI's President, contact person for EuroforGen-NoE

14.15-15:45

Dott.ssa Federica Alessandrini

Paternity and kinship analysis: introduction, basic methods and principles, Paternity Index, Likelihood Ratio, W, Bayes theorem, Theta correction, mutations, silent alleles, complex pedigrees.

15:45 – 16:15 COFFEE BREAK

16:15- 18:00

Prof. Thore Egeland

Introduction and basics of Familias 3 (available from <http://familias.no/english/download/>), exercises.

Tuesday 9

Morning: 9.00-10.30

Prof. Thore Egeland

New functionality and extensions of Familias 3: mutation models, simulation and DVI module.

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30

Prof. Thore Egeland

Exercises with Familias 3 on mutations, simulation and DVI.

12.30-14.00 Lunch

Afternoon: 14.00-15:45

Prof. Thore Egeland

Linkage and Linkage equilibrium, linked autosomal markers and X-chromosomal markers, software FamLink and FamLinkX (both programs available from <http://famlink.se>).

15:45 – 16:15 COFFEE BREAK

16:15- 18:00

Exercises with FamLink and FamLinkX

Wednesday 10

Morning: 9.00-10.30

Dott.ssa Carla Bini

Mixtures: definition, ISFG Recommendation, Clayton's rules, interpretation

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30

Dott.ssa Corina Benschop

LRmixstudio: introduction and features

12.30-14.00 Lunch

Afternoon: 14.00-15:45

Dott.ssa Corina Benschop

LRmixstudio: new functionality and application, exercises

15:45 – 16:15 COFFEE BREAK

16:15- 18:00

Dott.ssa Corina Benschop

Exercises and discussion

Thursday 11

9.00-10.30

Dott.ssa Corina Benschop

Exercises with LRmixstudio on real forensic cases and final discussion

10:30 – 11:00 COFFEE BREAK

11:00 – 12:30

Dott. A. Boattini

Introduction to R with hands-on exercises

Dott.ssa C. Bini / Dott.ssa F. Alessandrini

Tips on Haplotype evidence and STRvalidator

Course venue: Camplus BONONIA (<http://www.camplus.it/residenze-universitarie/bologna/bononia>)

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