REGISTRATION FEES

IUICP Members University Students	30,00 €
Members of the State Security Forces and Corps and university professors	60,00 €
Other	100,00 €

Pre-registration must be completed by April 17th, 2026, using the following form: **https://forms.gle/Ysh7p3dkHCgfNhhb6.**

Once you receive the admission confirmation by email, the registration fee must be paid by bank transfer to the Banco Santander account **ES8700496692872716305096**, in the name of UNIVERSIDAD DE ALCALÁ (Q2818018J).

Please ensure that the payment or transfer description includes the following: ***IUICP305005070 S280426*, the student's full name, and national ID number (NIF). Proof of payment must be sent to iuicp@uah.es.**

Registration includes attendance at the seminar and participant materials, but does not include breakfast or lunch. Students from the University of Alcalá may validate the seminar for academic credits (0.5 ECTS).

LOCATION

Aula 9B.
Facultad de Derecho de la Universidad de Alcalá.
Calle Libreros, 27. 28801 Alcalá de Henares. Madrid.

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INSTITUTO UNIVERSITARIO DE INVESTIGACIÓN EN CIENCIAS POLICIALES

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Collaborator

D.ª Rosa María Cuenca Núñez
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This in-person workshop is primarily intended for professionals in the field of forensic genetics.

TECHNICAL SECRETARIAT

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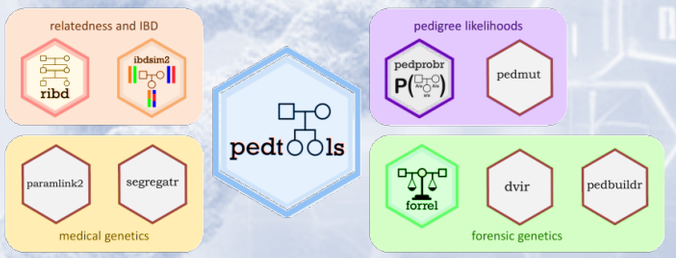
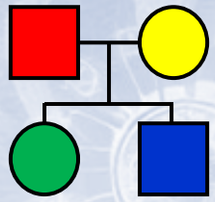
April 28-29, 2026
Facultad de Derecho
Universidad de Alcalá

WORKSHOP

Pedigrees and kinship analysis in forensic genetics





TEACHERS

Magnus Dehli Vigeland & Thore Egeland

Department of Forensic Sciences. University Hospital. Oslo, Norway

Organizes:

Universidad de Alcalá
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SECRETARÍA DE ESTADO DE SEGURIDAD

Colaborate:

ESPAÑA POLICÍA CIENTÍFICA

Pedigrees and kinship analysis in forensic genetics

DESCRIPTION

The study of pedigrees and genetic relatedness is central in forensic genetics. The aim of this workshop is to introduce the statistical foundations of relatedness, and explore several forensic applications. In particular, we focus on recent user-friendly apps that make pedigree analysis more accessible to practitioners. These include QuickPed, KLINK and Diviana, which are all available as online tools.

Parts of the course are based on the book Pedigree Analysis in R (Vigeland '21), which presents the pedsuite R packages underlying the mentioned apps.

Each day will alternate between lectures and hands-on exercises. Detailed solutions for all exercises are provided at the end of each day, and discussed as needed.

Prerequisites

- **Basic knowledge of genetics and probability**
- **All participants should bring a laptop on which they have administrative rights**
- **A recent version of R should be installed on your computer**
- **We strongly recommend running R from RStudio**

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Magnus Dehli Vigeland & Thore Egeland

PRELIMINARY PROGRAM

Tuesday, April 28 – Relatedness and kinship analysis

08:30–08:45	Registration
08:45–09:00	Workshop presentation
09:00–10:00	**Pedigrees and measures of relatedness (MDV)**
10:00–11:00	Exercises I (*Software: QuickPed*)
11:00–11:30	**Coffee break**
11:30–12:30	**Forensic kinship testing (TE)**
12:30–13:30	Exercises II (*Software: Familias + R*)
13:30–15:00	**Lunch**
15:00–16:00	**Kinship testing with linked markers (MDV)**
16:00–17:00	Exercises III (*Software: KLINK*)

Wednesday, April 29 – Identification cases

09:00–10:30	**Disaster victim identification (TE)**
10:30–11:00	**Coffee break**
11:00–12:00	Exercises IV (*Software: DIVIANA*)
12:00–13:30	**Realised relatedness and IBD segments (MDV)**
13:30–15:00	**Lunch**
15:00–16:00	Exercises V (*Software: ibdsim2*)
16:00–17:00	**Case study: Identifying a victim of the Marcinelle mining disaster**

https://iuicp.uah.es/es/actividades/congresos/Pedigrees-and-kinship-analysis-in-forensic-genetics/