1. Scientific aims

Characterisation of HLA molecular diversity in human populations

Transplantation
Recipient
Donor

Epidemiology
HIV
Malaria

Human genetic evolution

Domains

Public health

Basic science

2. Reasons for a COST Action (network)

Common expertise and coordination

Data sampling
Data definition
Data typing
Data interpretation
Data protection

Standard protocols
Bioinformatic platform
Education & mobility

Data sharing
Data formatting
Data handling
Data analysis

3. Impact of the research

Medical fields:
- Efficiency of European transplantation laboratories
- Disease control and prevention

Biomolecular fields:
- Knowledge on human peopling history and evolution
- Understanding of the molecular evolution of the human genome

Both fields:
- Worldwide references for the study of HLA molecular diversity

4. Benefits of the networking

Scientific, technological, societal and economic benefits:
- European excellence and international competitiveness in research
- Rapid and efficient health care
- Development of tissue typing technologies

13 starting European countries