



Università Politecnica delle Marche
Sezione di Medicina Legale

DNA in Forensics

2008



Ancona
27-30 May 2008

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DNA in Forensics

2008

6th International forensic Y-user workshop
3rd EMPOP Meeting

Ancona

27-30 May 2008

Dear colleagues and friends!

It is a pleasure and an honour to welcome you to the DNA in Forensics 2008 Conference.

The meeting will focus on the use of mtDNA, Y- and X-chromosome markers in forensics and evolutionary genetics. Moreover, we will be able to discuss the latest progress in other fields as forensic molecular pathology and pharmacogenetics, genetics of complex traits and forensic entomology.

All committees have worked extremely hard to develop an interesting, informative and entertaining programme, and we hope we have managed to provide "something for everyone" - including fellows, trainees, scientists, and other forensic workers. I would also like to thank all our speakers for their hard work in preparing their presentations - we couldn't do it without you! The exchange of knowledge is a key factor for innovative development in forensic medicine.

I would like to thank our sponsors and exhibitors. I ask you to acknowledge their support by visiting their booths.

Dear colleagues, dear friends, beside the scientific part of this meeting I would like to invite you to get to know our country, and especially Ancona, its past and present.

I wish you an interesting, pleasant and unforgettable days in Ancona.

Yours sincerely,

Conference President
Adriano Taqliabracci

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Regione Marche



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Jeffrey D.	Wells	Morgantown (USA)
Richard	Zehner	Frankfurt (Germany)

17:00 - 19:30

Registration

19:30 - 21:00

Welcome Cocktail

8:45 - 9:45

Registration

9:45 - 10:00

Opening

Congress President
Adriano TagliabracciRector of Università Politecnica delle Marche
Marco PacettiMajor of the city
Fabio Sturani

10:00 - 12:30

FORENSIC MOLECULAR PATHOLOGY AND PHARMACOGENETICS

Chairman: Antti Sajantila (Helsinki - Finland)

- OP01 10:00 **Silvia Priori (Pavia - Italy)**
Update on molecular pathology
- OP02 10:20 **M. Brión, C. Allegue, P. Sánchez-Diz, R. Gil, A. Blanco-Verea, I. Quintela, A. Carracedo (Santiago de Compostela - Spain)**
Large scale genomic analysis in HCM
- 10:40 Coffee break and visit of the industrial exhibition
- 11:10 - 12:30
Oral presentations
- OP03 11:10 **M. Pesaresi, F. Alessandrini, A. Tagliabracci (Ancona - Italy)**
Development of multiplex PCRs for LQTs mutations analysis
- OP04 11:20 **A.H.A.G. Ooms, G. Liebrechts-Akkerman, J.K. van Duijn, O. Lao, V.W.V.Jaddoe, C.M. van Duijn, A. Hofman, G.A. de Jonge, R.R. de Krijger, M. Kayser (Rotterdam - The Netherlands)**
Genetic predispositions of sudden infant death syndrome in the Netherlands - a case control study
- OP05 11:30 **S. Kaufenstein, N. Kiehne (Frankfurt - Germany)**
Can a common human SCN5A polymorphism interact with an arrhythmia causing mutation and trigger the risk for sudden death?
- OP06 11:40 **N. Kiehne, C. Wiese, T. Neumann, H.F. Pitschner, S. Kaufenstein (Frankfurt - Germany)**
Genetic testing of a patient with a family history of sudden death

- L. Buscemi, C. Turchi, F. Piva, A. Tagliabracci (Ancona - Italy)** 11:50 OP07
Genetic susceptibility of alcoholism: a new field of interest for forensic genetics
- C. Bini, S. Ceccardi, R. Trane, E. Dragoni, L.N. Riccardi, S. Pelotti (Bologna - Italy)** 12:00 OP08
Characterization of cytochrome P4502D6 (CYP2D6) genetic polymorphism in an Italian population sample by SNPs analysis
- M. Heinrich, A. Koppelkamm, T. Fracasso, S. Lutz-Bonengel, U. Schmidt, B. Vennemann (Freiburg - Germany)** 12:10 OP09
Stability of endogenous control genes in human post-mortem tissue
- A. Koppelkamm, T. Fracasso, B. Vennemann, S. Lutz-Bonengel, U. Schmidt, M. Heinrich (Freiburg - Germany)** 12:20 OP10
Validation of endogenous control genes for post-mortem gene expression studies

Poster presentations

- N. Onori, C. Turchi, L. Buscemi, A. Tagliabracci (Ancona - Italy)** PP01
Association study of alcoholism: development of a multiplex PCR of 10 polymorphisms in the GABRA2 gene

- N. Kiehne, S. Kaufenstein (Frankfurt - Germany)** PP02
Sudden cardiac death and the role of mutations in the ryanodine receptor gene RYR2

Closing Session 12:30

Lunch break (out of conference venue) 12:30-14:00

Poster session 13:00-14:00

14:00 - 16:00

X-CHROMOSOME POLYMORPHISMS

Chairman: Reinhard Szibor (Magdeburg - Germany)

- OP11 14:00 R. Szibor, C. Augustin, J. Edelmann, S. Kalis, S. Hering (Magdeburg - Germany)
Establishing of low recombining x-chromosomal STR clusters and their usage in kinship testing
- OP12 14:30 A.O. Karlsson, P. Mostad, T. Egeland, B. Lindblom, G. Holmlund, K. Montelius (Linköping - Sweden)
Population genetics of eight X-STRs in a Swedish population sample
- OP13 14:45 M. Hedman, J. Palo, H. Mäkinen, A. Sajantila (Helsinki - Finland)
Finnish and Somali X-STR frequencies
- 15:00 - 16:00
Oral presentations
- OP14 15:00 A. Tamura, H. Tsutsumi, M. Hara, A. Takada, K. Saito, K Suzuki, T. Komuro (Osaka - Japan)
Genetic studies of eight X-STR in the Japanese population
- OP15 15:10 I. Gomes, M. Prinz, R. Pereira, E. Bieschke, A. Amorim, A. Carracedo, L. Gusmão (Porto - Portugal)
Hidden sequence variation of the X-linked DXS6789 microsatellite
- OP16 15:20 S. Presciuttini, A. Rocchi, I. Spinetti, E. Ottaviani, C. Toni, R. Domenici (Pisa - Italy)
Genetic data of three closely linked X-chromosome STRs in Tuscany (Italy)
- OP17 15:30 T.M. Diegoli, M.D. Coble (Rockville - USA)
Development of two mini-X chromosomal short tandem repeat multiplexes

- H. Afonso Costa, A.M. Bento, P. Brito, A. Serra, V. Lopes, L. Andrade, F. Balsa, C. Oliveira, L. Batista, M.J. Anjos, M. Carvalho, F. Corte-Real (Coimbra - Portugal)
Central Portugal population data for 10 X-STR 15:40 OP18

- A.E. Codina, H. Niederstätter, W. Parson (Innsbruck - Austria)
"Genderplex", a new multiplex for human gender determination 15:50 OP19

Poster presentations

- C. Augustin, J. Edelmann, S. Hering, R. Szibor (Hamburg - Germany)
Forensic validation of the X-chromosomal STR-markers DXS10159 and DXS10161 PP03

- J. Edelmann, S. Hering, C. Augustin, S. Kalis, R. Szibor (Leipzig - Germany)
DXS10162 and DXS10163 are closely linked markers of forensic interest located in the chromosome X centromere region PP04

- S. Hering, J. Edelmann, C. Augustin, S. Kalis, J. Dressler, R. Szibor (Dresden - Germany)
Forensic validation of two further STR markers located within the Xq11 region near the centromere PP05

- A. Nagai, Y. Bunai (Gifu - Japan)
Sequence variation at DXS6789 and DXS8377 loci in a Japanese population PP06

- A. Zalán, A. Völgyi, Z. Straky, P. Endrédi, H. Pamjav (Budapest - Hungary)
Hungarian recombination study of eight X-chromosomal loci using men type argus X-8 kit PP07

- N. Cerri, A. Verzeletti, F. Gasparini, A. Poglio, E. Mazzeo, E. Ottaviani, S. Presciuttini, F. De Ferrari (Brescia - Italy)
Haplotype analysis of four pairs of closely linked loci of the X-chromosome in two Italian samples PP08

- PP09 T. Kupiec, W. Branicki, P. Wolańska-Nowak, D. Waluk (Krakow - Poland)
Application of mentype argus X-8 to forensic casework
- 16:00 Closing Session
- 16:00 Coffee break and visit of the industrial exhibition
- 16:20 - 18:20
FORENSIC ENTOMOLOGY
Chairman: Carlo P. Campobasso and F. Introna Jr (Campobasso and Bari - Italy)
- OP20 16:20 Michelle Harvey (Perth - Australia)
Current status and future application of DNA in forensic entomology
- OP21 16:40 Jamie Stevens (Exeter - UK)
Problems and possibilities in DNA-based species identification
- OP22 17:00 Jeffrey D. Wells (Morgantown - USA)
Population genetics of carrion flies
- OP23 17:20 R. Zehner, J. Amendt, A. Schutte (Frankfurt - Germany)
Age determination of post-feeding maggots with molecular tools in forensic entomology
- 17:40 - 18:20
Oral presentations
- OP24 17:40 P. Boehme, J. Amendt, R. Zehner (Frankfurt - Germany)
Molecular age determination of forensically important blow fly pupae
- OP25 17:50 M. Mazzanti, F. Alessandrini, A. Tagliabracci, C.P. Campobasso (Ancona - Italy)
DNA degradation and genetic analysis of empty puparia: genetic identification limits in forensic entomology

- D. Stijn, M. Gosselin (Brussel - Belgium) 18:00 OP26
COI as genetic marker for forensically important Caliphoridae in Belgium
- F. Alessandrini, M. Mazzanti, A. Tagliabracci (Ancona - Italy) 18:10 OP27
Forensic entomology vs Forensic pathology: a case-report
- Poster presentations**
- J. Pastuschek, S. Niederegger, G. Mall (Jena - Germany) PP10
Forensic entomology studies in Turingia
- S. Vanin, E. Ponzano, P. Tozzo, A. Arseni, M. Turchetto, L. Caenazzo (Padova - Italy) PP11
Preliminary investigations of mitochondrial DNA COI sequence to identify forensically important blowflies in North-Eastern Italy
- G. Armocida, C. Toni, G. Rigo, R. Domenici (Pisa - Italy) PP12
Leone Lattes and the first paper on bloodstain typing from an insect
- M.V. Riina, V. Cetica, M. Caramelli, U. Ricci, P. L. Acutis (Torino - Italy) PP13
Evaluation of markers for species identification in veterinary forensic genetics
- VARIA**
Poster presentations
- M. Barbisin, R. Fang, C. E. O'Shea, L. M. Calandro, M. R. Furtado, J. G. Shewale (Foster City - USA) PP14
A multiplexed real-time PCR system for the quantitative and qualitative assessment of total human and human male DNA in forensic-type biological samples

- PP15** **M. Scherer, H. Lubenow (Hilden - Germany)**
A novel concept for the complete automation of established spin column based nucleic acid extraction processes: QIAcube
- PP16** **S. Lupton, C. Knox, B. E. Krenke, N. Nassif, C. J. Sprecher, D. Storts (Madison - USA)**
A novel real-time PCR strategy for the quantitation of total human and male DNA
- PP17** **N. Zengin, O. Baksi, H. Cem Ertugrul, A. Hakan Dinc, F. Usta Bal, S. Aral (Ankara - Turkey)**
A research on determination of the mutation rates of STR loci which is commonly used in paternity tests
- PP18** **S. Procaccianti, L.V. Pascali, V. Triolo, A. Bonifacio, P. Procaccianti (Palermo - Italy)**
A suspected case of hunting accident
- PP19** **F. Götz (Dresden - Germany)**
Analysis of complex DNA mixtures with genoproof mixture
- PP20** **D. Corach, O. Lao, C. Bobillo, B. Zimmermann, M. Vermeulen, K. van der Gaag, W. Parson, P. de Knijff, M. Kayser (Buenos Aires - Argentina)**
Building bricks in unveiling human population history and dynamics of extant Argentina using a multifocal approach
- PP21** **C. Phillips, M. Fondevila, A. Rodriguez, A. Mosquera-Miguel, F. Rondon, A. Salas, Á. Carracedo, M.V. Lareu (Santiago de Compostela - Spain)**
D9S1120, a simple STR exhibiting a common Native American-specific allele: forensic optimization, locus characterization and allele frequency studies
- PP22** **R. Weispenning, D. Rabbach, P. Fulmer, K. Zurbuchen, C.J. Sprecher, M. Schwandt, C. Knox, D. Storts (Mannheim - Germany)**
Development of a forensic screening tool: the Powerplex® S5 system

- C.R. Hill, M.C. Kline, J.M. Butler, P.M. Vallone (Gaithersburg - USA)**
Development of a new autosomal STR 27plex to address challenges in human identity testing **PP23**
- M. Scherer, H. Lubenow (Hilden - Germany)**
Development of a new platform for fully automated medium- to high-throughput purification of nucleic acids from a variety of forensic specimens **PP24**
- C. Phillips, M. Fondevila, D. Ballard, A. Gómez-Tato, J. Álvarez-Dios, D. Syndercombe Court, Á. Carracedo, M.V. Lareu (Santiago de Compostela - Spain)**
Differentiating Eurasian population-groups using a dedicated autosomal SNP multiplex assay **PP25**
- J. Sanft, G. Mall (Jena - Germany)**
DNA-extraction from contact lenses **PP26**
- A.J. Pakstis, C. Phillips, M. Fondevila, A. Carracedo, R. Fang, F. Hyland, J.R. Kidd, M.R. Furtado, K.K. Kidd (New Haven - USA)**
Extended support for SNPs useful in ancestry inference **PP27**
- A. van Daal, B. Budowle (Gold Coast - Australia)**
Forensic use of SNP markers **PP28**
- Y. Dong-Ming, Z. Ying-hua, L. Xu, W. Li (Beijing - China)**
Genetic characteristics of ABO gene and 15 autosomal STRs in Chinese Uyghur population **PP29**
- C. Veloso, A.M. Bento, H. Afonso Costa, P. Brito, V. Lopes, A. Serra, L. Andrade, F. Balsa, C. Oliveira, L. Batista, M.J. Anjos, M. Carvalho, S. Pantoja, F. Corte-Real (Coimbra - Portugal)**
Genetic Data of 15 STR forensic loci in a Bolivian population from La Paz **PP30**

9:00 - 10:40

GENETICS OF COMPLEX TRAITS AND ITS APPLICATION IN FORENSIC SCIENCE

Chairman: Angel Carracedo
(Santiago de Compostela - Spain)

- OP28 9:00 Manfred Kayser (Rotterdam - The Netherlands)
Genetics and prediction of human eye color
- OP29 9:30 Peter Schneider (Cologne - Germany)
Ethics of physical trait research and use in forensics

10:00 - 10:40

Oral presentations

- OP30 10:00 F. Rivadeneira , L. Stolk, F. Liu, Y. S. Aulchenko,
A. Hofman, B. A. Oostra, C. M. van Duijn, M. Krawczak,
S. Schreiber, A. G. Uitterlinden, M. Kayser
(Rotterdam - The Netherlands)
Genetics markers to predict human adult body height: looking for a needle in a haystack?
- OP31 10:10 C. Keyser, C. Bouakaze, E. Crubézy, B. Ludes
(Strasbourg - France)
Genetic analyses of bronze and iron age South Siberian Specimens. What did they look like?
- OP32 10:20 J. Mengel-From, C. Børsting, P. Johansen, H. Eiberg,
N. Morling (Copenhagen - Denmark)
Genetic determination of hair and eye colours in Danes
- OP33 10:30 W. Branicki , U. Brudnik, J. Draus-Barini, R. Doyle,
O. Rydzyk, M. Łacka, T. Kupiec (Krakow - Poland)
SLC45A2 (MATP) gene SNPs associated with hair colour
- 10:40 Closing Session
- 10:40 Coffee break and visit of the industrial exhibition

11:00-12:30

mtDNA - 3rd EMPOP MEETING 2008

Chairman: Walther Parson (Innsbruck - Austria)

- Antonio Torroni (Pavia - Italy) 11:05 OP34
Mt-DNA in evolutionary genetics
- Walther Parson (Innsbruck - Austria) 11:35 OP35
EMPOP Release 2
- T.J. Parsons, K.M. Strouss 12:05 OP36
(Sarajevo - Bosnia and Herzegovina)
Site specific relative evolutionary rates in the mtDNA control region by phylogenetic analysis of a large population dataset
- Seminar Applied Biosystem 12:30-14:00
- Poster session 13:00-14:00
- Oral presentations 14:00-16:00
Population genetics
- M. Kayser (Rotterdam-The Netherlands) 14:00 OP37
Pros and cons of uni-parental markers in reconstructing the genetic history of individuals and populations: a case study from the Pacific
- L. Castri, P. Garagnani, A. Useli, D. Pettener, 14:20 OP38
D. Luiselli (Bologna -Italy)
New data on mtDNA variability in six ethnic groups (Masai, Turkana, Samburu, Rendille, Elmolo, Luo) from Kenya
- V. Gomes, V. Pereira, A. Amorim, P. Sánchez-Diz, 14:30 OP39
A. Carracedo, M.J. Prata, L. Gusmão
(Porto - Portugal)
Mitochondrial DNA in people from Karamoja (Uganda)

OP40	14:40	C. Turchi, V. Onofri, E. Giacchino, L. Buscemi, A. Tagliabracci (Ancona - Italy) Polymorphisms of mtDNA control region in Tunisian and Moroccan populations: an enrichment of forensic mtDNA databases with Northern Africa data
OP41	14:50	M. Gorzkiewicz, B.A. Malyarchuk, M.V. Derenko, M. Wozniak, T. Grzybowski (Bydgoszcz- Poland) Do the POLG CAG polymorphic variants influence mitochondrial DNA variation in Europe?
OP42	15:00	P.M. Vallone, O. Lao, M.D. Coble, J. Pijpe, P. de Knijff, M. Kayser (Gaithersburg- USA) Informativity of ancestry-sensitive markers from autosomes, Y-chromosome and mitochondrial DNA in U.S. populations
OP43	15:10	G. Hampikian, M. Davis (Boise - USA) Basque DNA in Idaho: the origin and frequency of mitochondrial haplotypes in immigrants to a Northwestern American state
OP44	15:20	P. Grignani, C. Turchi, A. Achilli, G. Peloso, A. Tagliabracci, M. Alù, U. Ricci, C. Robino, S. Pelotti, E. Carnevali, I. Boschi, C. Previdere (Pavia - Italy) Dissection of mtDNA haplogroups U/K and J/T
OP45	15:30	S. Köhnemann, H. Pfeiffer, C. Hohoff (Münster - Germany) Increasing the mtDNA discriminatory power by HV1 sequencing and mtDNA-SNP typing
OP46	15:40	M. Mikkelsen, E. Rockenbauer, E. Sørensen, C. Børsting, N. Morling (Copenhagen - Denmark) A mitochondrial DNA SNP multiplex PCR assay assigning Caucasians into 41 haplo- and subhaplogroups
OP47	15:50	S. Amory, A. Brandstätter, E. Crubézy, M. Gilbert, B. Ludes, W. Parson (Strasbourg - France) Asiaplex: a SNaPshot assay for mtDNA lineage stratification of Asian populations
	16:00	Coffee break and visit of the industrial exhibition

16:30-18:00

Oral presentations Forensic applications

R. Szibor, D. Krause, I. Plate, J. Edelmann, E. Kirches (Magdeburg - Germany) Whole genome amplification (WGA) from hair shaft-mtDNA: results produced using the Genomiphi-DNA-amplifications-kit (GE Healthcare)	16:30	OP48
L. Fendt, B. Zimmermann, G. Huber, W. Parson (Innsbruck - Austria) The relevance of full mtDNA genome sequencing in forensics: setting quality standards	16:40	OP49
A. Röck, A. Dür (Innsbruck - Austria) Software tools for the phylogenetic alignment of mtDNA sequences	16:50	OP50
H.Y. Lee, I. Song, E. Ha, S. B. Cho, J.E. Sim, W.I. Yang, K.-J. Shin (Seoul - Korea) A practical application of mtDNAMAN to mitochondrial DNA error detection in forensics	17:00	OP51
B. Budowle, C. Fisher, D. Polanskey, B.D. Hartog, J. Elling, R. Kepler (Quantico - USA) Software program for standardizing an operational mtDNA nomenclature for forensic analyses	17:10	OP52
J.A. Irwin, M.D. Coble (Rockville - USA) Pitfalls and predicaments in the generation of high-quality control region databases	17:20	OP53
C. Eichmann, W. Parson (Innsbruck - Austria) Mini-midi-mito: adapting the amplification and sequencing strategy to the DNA degradation state of crime scene samples	17:30	OP54
I. Furac, M. Karija Vlahovic, M. Masic, M. Kubat (Zagreb - Croatia) Identification of human remains with a little help of mtDNA	17:40	OP55

- OP56 17:50 R. Pflugradt, T. Sanger, S. Lutz-Bonengel (Freiburg - Germany)
Separation of mitochondrial particles by flow cytometry and subsequent mtDNA sequence analysis
- Poster presentations**
- PP31 G.G. Paneto, L.V.G. Longo, J.A. Martins, M.A. Camargo, J.C. Costa, R. Nogueira de Oliveira, R.M.B. Cicarelli (Sao Paulo - Brasil)
Heteroplasmy in hairs: study of the mitochondrial third hypervariable region
- PP32 F. Alshamali, V. Fernandes, M. Costa, L. Pereira (Dubai - United Arab Emirates)
Mitochondrial DNA diversity in Ethiopia
- PP33 R. Schubbert, T. Brendel, W. Hell, S. Rittler, S. Schneider (Martinsried - Germany)
Validation of analysis of mitochondrial DNA using SEQUENOM MALDITOF
- PP34 S. Bertoncini, S. Tofanelli, L. Castrì, D. Luiselli, F. Calafell, G. Paoli (Pisa - Italy)
Unravelling the male and female side of Malagasy admixed ancestry
- PP35 P. Daca, M. Mielnik, M. Wozniak, T. Grzybowski (Bydgoszcz - Poland)
Differentiation of mitochondrial DNA in Polish population
- PP36 F. Brisighelli, C. Capelli, V. lvarez-Iglesias, V. Onofri, G. Paoli, S. Tofanelli, . Carracedo, V.L. Pascali, A. Salas (Santiago de Compostela - Spain)
A recent historical genetic link between Etruria and Anatolia
- PP37 C. Gamba, E. Fernandez, M. Tirado, C. Baeza, A.M. Lpez-Parra, J. Abarca, J.M. Lpez, D. Martnez, E. Arroyo-Pardo (Madrid - Spain)
High efficiency extraction and amplification from early middle ages teeth

- B. Egyed, Z. Szabolcsi, P. Zenke, L. Zldg, L. Orosz, Z. Pdr (Budapest - Hungary)
Forensic identification of red deer by sequencing the mitochondrial DNA control region
- PP38
- E. Pilli, A. Modi, M. Lari, L. Milani, G. Catalano, B. Lippi, F. Bertoldi, S. Gelichi, F. Mallegni, D. Caramelli (Firenze - Italy)
How much does modern human contamination weigh on ancient and forensic samples?
- PP39
- A. Tavares, P. Dario, T. Ribeiro, R. Espinheira, H. Geada (Lisboa - Portugal)
HV1 mtDNA study in an African population - Cabo Verde Islands
- PP40
- A.M. Lpez-Parra, E. Fernandez, C. Baeza, C. Gamba, M. Tirado, L. Gusmo, M.S. Mesa, E. Arroyo-Pardo (Madrid - Spain)
Mitochondrial DNA sequence variation in a Spanish west Pyrenean population
- PP41
- F. Balsa, L. Andrade, M. Carvalho, V. Lopes, A. Serra, A. Bento, H. Afonso Costa, C. Oliveira, L. Batista, J.A. Lorente, F. Corte-Real, M.J. Anjos, R.K. Roby (Coimbra - Portugal)
New techniques validated for mitochondrial DNA analysis
- PP42
- Z. Zafarina, M.N. Norazmi (Kelantam - Malaysia)
Mitochondrial DNA analysis as tool for identification of human remains
- PP43
- J.A. Irwin, A. Brandstatter, J.L. Saunier, K.M. Strouss, K.S. Sturk, T.M. Diegoli, W. Parson, T.J. Parsons (Rockville - USA)
Investigation of point heteroplasmy in the mitochondrial DNA control region: a synthesis of observations from over 5000 global population samples
- PP44
- VARIA**
Poster presentations
- S.P. Lavelle, M.A. Jobling (Leicester - UK)
Informative SNPSTR systems based on standard forensic autosomal STRs
- PP45

- PP46 **M.U. Böhme, C. Weber, W. Brabetz (Dresden - Germany)**
Multiplex analysis of short insertion/deletion polymorphisms - a new tool for forensic casework
- PP47 **M. Allouche, V. Castella (Lausanne - Suisse)**
Nails as source of DNA to identify decomposed corpses
- PP48 **J.R. Kidd, K.K. Kidd (New Haven - USA)**
New ancestry informative SNPs
- PP49 **L. Saskova, A. Giambra, M. Pospisek, D. Vanek (Prague - Czech Republic)**
Novel testing system for monitoring of background contamination in DNA laboratories
- PP50 **I. Boroňová, I. Bernasovský, J. Bernasovská, E. Petrejčíková, A. Bôžiková, M. Soták, A. Sovičová, D. Gabriková, A. Švíčková, S. Mačeková (Prešov - Slovakia)**
Polymorphism of human C-band heterochromatin. Frequency of heterochromatin variants in the couples with accidents of fertility
- PP51 **S. Procaccianti, A. Bonifacio, V. Triolo, P. Procaccianti (Palermo - Italy)**
Population data of nine STRs from Western Sicily, Italy
- PP52 **B. Rolf, N. Gassen (München - Germany)**
Relative quantification of tissue specific microRNAs by Real-Time PCR
- PP53 **M. Heinrich, A. Koppelkamm, T. Fracasso, S. Lutz-Bonengel, U. Schmidt, B. Vennemann (Freiburg - Germany)**
Stability of endogenous control genes in human post-mortem tissue
- PP54 **F. Pitterl, G. Huber, H. Niederstätter, H. Oberacher, W. Parson (Innsbruck - Austria)**
STR analysis - the next generation

18:00 Closing Session

20:30 Social Dinner

6th INTERNATIONAL FORENSIC Y-USER WORKSHOP

Chairman: Lutz Roewer (Berlin - Germany)

9:00-11:05

- Chris Tyler-Smith (Hinxton- UK)** 9:05 OP57
Y-chromosome: implementation of new technologies
- Peter Underhill (Stanford - USA)** 9:35 OP58
Y-chromosome in evolutionary genetics
- Mark A. Jobling (Leicester - UK)** 10:05 OP59
Like father, like son? The relationship between surnames and Y haplotypes
- Sascha Willuweit (Berlin - Germany)** 10:35 OP60
YHRD 3.0
- Coffee break and visit of the industrial exhibition 11:05
- 11:30-12:40
- Oral presentations**
Population genetics part I
- M. Navascués, C. Burgarella (Paris - France)** 11:30 OP61
A new composite likelihood method to characterize demographic expansions: preliminary results from Y-chromosome STR data
- V. Onofri, L. Buscemi, A. Tagliabracci and Ge.F.I. Group (Ancona - Italy)** 11:40 OP62
Italian Y-SNPs Database: a collaborative exercise of Ge.F.I. - ISFG group
- B. Berger, D. Erhart, S. Amory, H. Niederstätter, C. Gassner, H. Schennach, W. Parson (Innsbruck - Austria)** 11:50 OP63
Distribution of Y-STR haplotypes in selected regions of the Tyrolean Alps (Austria) evident after high-resolution sampling

- OP64 12:00** J.U. Palo, M. Pirttimaa, A. Bengs, V. Johnsson, I. Ulmanen, M. Lukka, B. Udd, A. Sajantila (Helsinki - Finland)
The effect of number of loci on geographical structuring and forensic applicability of Y-STR data in Finland
- OP65 12:10** S. Tofanelli, G. Ferri, L. Caciagli, V. Onofri, M. Alù, L. Taglioli, K. Bulayeva, D. Luiselli, G. Paoli, C. Capelli (Pisa - Italy)
Founder analysis of the J1-M267 Y chromosome lineage indicates a prehistoric timeline for the “Arab” STR motifs
- OP66 12:20** C. Brenner (Berkeley - USA)
The value of evidence from a rare haplotype
- OP67 12:30** A. Völgyi, A. Zalán, A.Z. Bíró, H. Pamjav (Budapest - Hungary)
Comparative Y-STR and Y-SNP analysis of the Madjar (Kazakhstan) population to the present Hungarians
- 12:40-14:00**
Lunch break
- 13:00-14:00**
Poster session
- 14:00-16:00**
Oral presentations
Forensic implications and population genetics part II
- OP68 14:00** T.E. King, M.A. Jobling (Leicester - UK)
Ethnicity prediction from Y chromosomal haplotypes: cautionary tales
- OP69 14:10** D. Marjanovic, A. Durmic, L. Kovacevic, N. Bakal, S. Haveric, L. Kovacevic, S. Vedrana, P. Projic, K. Drobnic, D. Primorac, R. Hadziselimovic (Sarajevo - Bosnia and Herzegovina)
Usage of Y-STRs in DNA identification of skeletal remains from Second World War

- 14:20 OP70** M. Nagy, P. Entz, P. Otremba, L. Roewer, J. Dappri-
ch (Berlin - Germany)
Isolation of an extended molecular Y chromosome haplotype from male mixtures
- 14:30 OP71** B. Budowle, G. Jianye, A.J. Eisenberg, X.G. Aranda,
R. Chakraborty (Quantico - USA)
Interpreting Y STR profiles: substructure and muta-
tion rates
- 14:40 OP72** P. Sánchez-Diz, C. Alves, E. Carvalho, M. Carvalho,
R. Espinheira, O. García, M.F. Pinheiro, L. Pon-
tes, M.J. Porto, O. Santapa, C. Silva, D. Sumita, S.
Valente, M. Whittle, I. Yurrebaso, A. Carracedo, A.
Amorim,
L. Gusmão (Santiago de Compostela - Spain)
Population and segregation data on 17 Y-STRs: results
of a GEP-ISFG collaborative study
- 14:50 OP73** M. He, J. Gitschier, T. Zerjal, P. de Knijff,
C. Tyler-Smith, Y. Xue (Hinxton- UK)
Who are the HAPMAP populations?
- 15:00 OP74** C. Bobillo, M. Marino, E. Alechine, A. Sala, J.C.
Acosta-Ferreya, C. Arguelles, C. Ayala, A. Feno-
chio, C. Rodríguez, L. Saccomano, A. Scatena, D.
Corach (Buenos Aires - Argentina)
Tribal affinities of Argentinean and other Sou-
thern South Amerindians inferred from MQ3 Y-STR
haplotypes
- 15:10 OP75** C. Capelli, V. Onofri, F. Brisighelli, I. Boschi,
F. Scarnicci, M. Masullo, G. Ferri, S. Tofanelli,
A. Tagliabracci, L. Gusmao, A. Amorim, F. Gatto,
M. Brion Martinez, A. Blanco Vereá, V. Romano,
F.Cali, V. Pascali (Oxford - UK)
The Arabs in Europe: estimating medieval North Afri-
ca male legacy into Southern Europe
- 15:20 OP76** G. Ferri, C. Bini, S. Ceccardi, M. Falconi, M. Alù,
S. Pelotti (Modena - Italy)
Molecular characterization of the Emilia-Romagna
region

- OP77 15:30** M. Woźniak, B.A. Malyarchuk, M.V. Derenko, T. Vanecek, J. Lazur, P. Gomolcak, J. Starzyński, T. Grzybowski (Bydgoszcz - Poland)
Czechs and Slovaks - Linguistics vs. Y-STRs
- OP78 15:40** M. Minarik, J. Zastera, P. Sekerka, L. Roewer, S. Willuweit, L. Benesova (Prague - Czech Republic)
Central European genetic population data from large-scale 12 STR Y-haplotyping in the Czech Republic
- OP79 15:50** S. Siddiqi, A. Mansoor, S. Usman, N. Malik, K. Mazhar, K.M. Khan, R. Qamar (Islamabad - Pakistan)
Five novel Y-STR loci: polymorphism studies of different Pakistani ethnic groups
- 16:00** Coffee break and visit of the industrial exhibition
- 16:30** Proposal for next meeting and closing
- 16:45** Round table for YHRD contributors and users

Poster presentations

- PP55** E. Petrejčikova, D. Siváková, M. Soták, J. Bernasovská, I. Bernasovský, I. Boroňová, A. Sovičová, A. Bôžiková, D. Gabriková, P. Švíčková, S. Mačeková (Presov - Slovakia)
Allele frequencies and population data for 12 Y-chromosome STRs loci in Haban and Non-Haban population samples from Slovakia
- PP56** C. Vieira-Silva, P. Dario, T. Ribeiro, R. Espinheira, H. Geada (Lisboa - Portugal)
Analysis of mutations in south Portugal Caucasian father/son pairs with 17 Y-STRs
- PP57** E. Ramos-Luis, A. Blanco-Verea, M. Brión, V. van Huffel, A. Carracedo, P. Sánchez-Diz (Santiago de Compostela - Spain)
Analysis of Y chromosome lineages in the French population

- PP58** G. Ferri, M. Alù, B. Corradini, E. Radheshi, G. Beduschi (Modena - Italy)
Balkans Egyptians: new ethnic identities in the Balkans or old Roma legends? Y chromosome analysis in Albanian populations
- PP59** M. Wirsching, S. Lutz-Bonengel, T. Sängler, C. Hohoff, K. Bender, M. Heinrich (Freiburg - Germany)
Further discrimination of the Y chromosomal haplogroup R1b* in German populations using a reduced volume approach
- PP60** M. Hara, A. Kido, T. Yamamoto, A. Takada, A. Tamura, K. Saito (Saitama - Japan)
Genetic data on Y-chromosome STR loci in Japanese, Bangladeshi, and Indonesians using an AmpFISTR Yfiler kit
- PP61** M. Caplinskiene, A. Pauliukevicius, J. Jankauskiene, D. Bunokiene, J. Kukiene, O. Petruskiene, K. Savanevskyte, A. Jureniene (Vilnius - Lithuania)
Lithuanian population studies on Y chromosome with 17 loci multiplex PCR system
- PP62** T. Varljen, M. Djuric, O. Stojkovic (Belgrade - Serbia)
Mutation analysis of 17 Y-chromosomal STRs in the Serbia and Montenegro population sample
- PP63** L.K. Hennessy, B. Budowle, X. Aranda, R. Lagace, J.V. Planz, M. Rodriguez, A.J. Eisenberg (Foster City - USA)
Null allele sequence structure at the DYS448 locus and implications for profile interpretation
- PP64** A.M. Bento, H. Afonso Costa, V. Lopes, A. Serra, L. Andrade, F. Balsa, C. Oliveira, L. Batista, M.J. Anjos, M. Carvalho, F. Corte-Real (Coimbra - Portugal)
Population data for Y-chromosome haplotypes defined by 17 STRs (AmpFISTR YFiler) in Central Portugal
- PP65** S. Varacalli, C. Robino, S. Donadio, P. Annetta, C. Torre, S. Gino (Torino - Italy)
Real-time PCR-based quantitation of Y-chromosomal DNA in mixed samples from sexual assault cases

- PP66 **V. Onofri, C. Frontalini, A. Tagliabracci (Ancona - Italy)**
Y chromosome haplotype-haplogroup analysis of a sample population from Tunisia and Morocco
- PP67 **S. Pelotti, S. Ceccardi, R. Trane, E. Dragoni, L.N. Riccardi, C. Bini, S. Willuweit, L. Roewer (Bologna - Italy)**
Y chromosome polymorphism in a large population sample of Ravenna's area in the North of Italy
- PP68 **F. Cruciani, B. Trombetta, D. Sellitto, C. Nodale, R. Scozzari (Roma - Italy)**
Phylogeography of the human Y chromosome haplogroup E3a
- PP69 **U-D. Immel, M. Maccek Jr., T. Piskáčková, M. Kleiber (Halle - Germany)**
Y-chromosomal STR haplotypes in a Czech population from Prague

VARIA

Poster presentations

- PP70 **P. Zenke, Z. Pádár, B. Egyed, L. Zöldág (Budapest - Hungary)**
STR multiplexes for genotyping low amount of degraded canine DNA
- PP71 **C. Phillips, L. Prieto, J. Álvarez-Dios, A. Blanco-Verea, M. Brion, M. Fondevila, A. Gómez-Tato, M. Montesino, A. Salas, Á. Carracedo, M.V. Lareu (Santiago de Compostela - Spain)**
The 11-M Madrid terrorist attack investigation: usefulness of ancestry informative markers (AIMs) in forensic analysis
- PP72 **J. Amigo, C. Phillips, A. Salas, Á. Carracedo (Santiago de Compostela - Spain)**
The SPSmart SNP allele frequency browser: an online tool for forensic SNP marker development

- PP73 **A. Koppelkamm, T. Fracasso, B. Vennemann, S. Lutz-Bonengel, U. Schmidt, M. Heinrich (Freiburg - Germany)**
Validation of endogenous control genes for postmortem gene expression studies
- PP74 **L. Saskova, A. Giambra, D. Vanek (Prague - Czech Republic)**
Validation studies of the sample collection system for forensic use
- PP75 **Z. Szabolcsi, B. Egyed, P. Zenke, A. Borsy, Z. Pádár, L. Zöldág, Z. Buzás, I. Raskó, L. Orosz (Budapest - Hungary)**
Genetic identification of red deer using autosomal STR markers
- PP76 **A. Barbaro, C. Phillips, M. Fondevila, A. Carracedo (Reggio Calabria - Italy)**
Allele frequency distribution of 52 autosomal SNPs in two Italian population samples
- PP77 **P. Thanakiatkrai, L. A. Dixon (Glasgow - Scotland)**
Effects of increased PCR cycles and varying injection times on STR profile quality
- PP78 **M. Jin Park, H. Young Lee, N. Young Kim, J. Eun Sim, W. Ick Yang, K. Shin (Seoul - Korea)**
Improved DNA extraction from old skeletal remains by combining total demineralization and silica-based extraction and concentration

WELCOME RECEPTION

The Welcome cocktail will be offered on Tuesday 27th May at 7.30 p.m. at the Conference venue

SOCIAL DINNER

The Social dinner will take place on Thursday 29th May at Restaurant of Golf Club of Sirolo

To attend the Welcome Reception and the Social Dinner, participants need to show the badge given by Organizing Secretariat at the registration desk

SOCIAL PROGRAM

Tour of Grotte di Frasassi (Frasassi Caves)

Saturday 31st May from 9 a.m. to 3 p.m.

Tour of Grotte di Frasassi (Frasassi Caves).

Saturday 31st May from 9 a.m. to 3 p.m.

Pick up at 9 a.m. in front of Teatro delle Muse.

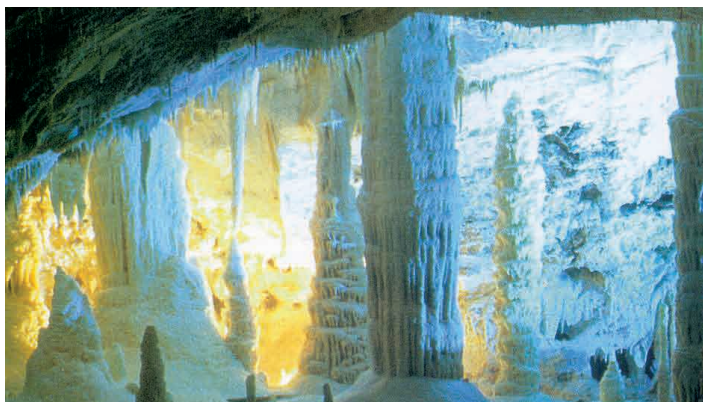
The visit inside the caves lasts about 75 minutes.

The internal temperature is about 14°C.

Lunch at 1 p.m. (not included in the tour fee)

The tour will take place only with a minimum of 20 attendees.

Tour fee: 60 € + VAT (lunch not included)



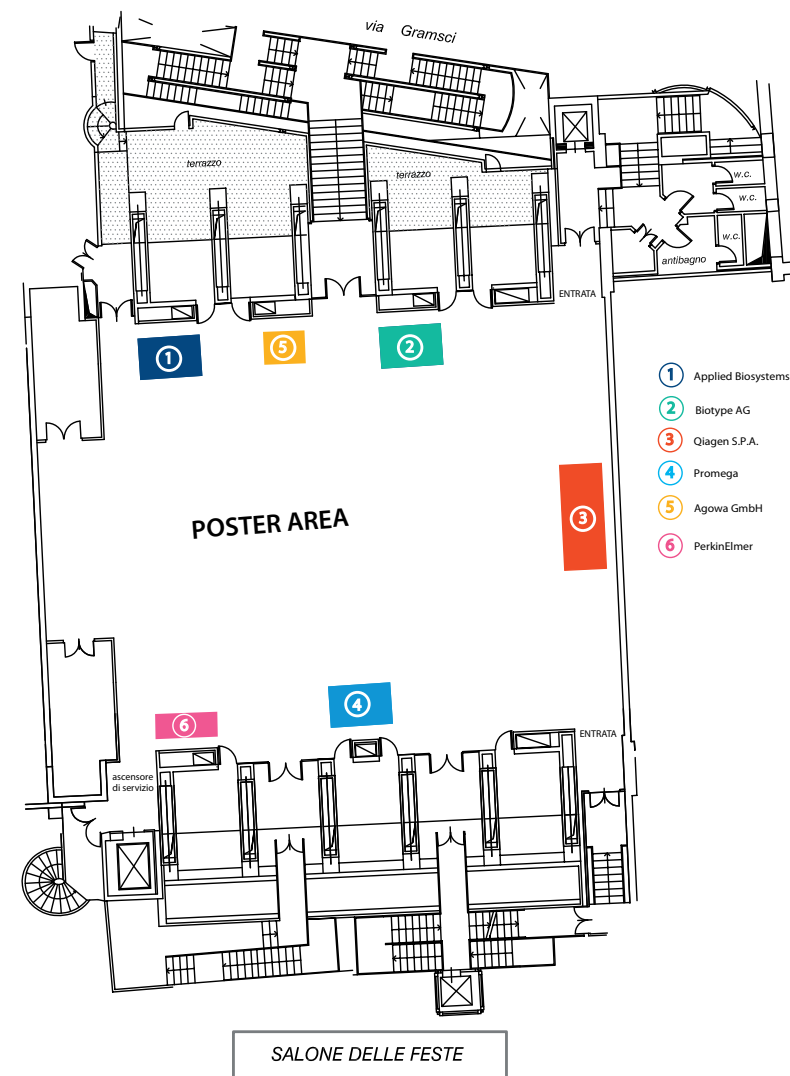
ORGANIZING SECRETARIAT

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The Organizing Secretariat will be available throughout the Congress days at the following phone number: +39 071 207 84244.

The exhibition and poster area will be set up on the top floor of Teatro delle Muse with a display of the Congress sponsors' booths, available for visits throughout the Event. The same area will host the Welcome cocktail.





HOW TO GET THERE

Teatro delle Muse is located in one of Ancona's main square, p.zza della Repubblica, straight across the port.

BY TRAIN

From the railway station you can travel by bus (line number: 1 ; 1/4) which will take approx. 10 mins. Buses run every 5/10 mins. Get off at P.zza Kennedy. The theatre is just around the block.

N.B. Bus tickets must be purchased in advance at a newspaper's stand.

BY AIR

Raffaello Sanzio Airport is approx. 30 mins. by car from the Congress venue. A rent car service is available at the airport as well as bus and cabs services.

BY CAR

Leave the A14 motorway at Ancona NORD exit and follow the City center indication (Centro) or leave the A14 motorway at Ancona SUD exit and follow the City center indication (Centro).



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Location

Ancona, Teatro delle Muse

Date

Tuesday 27 May 2008

Reception and Registration

Wednesday to Friday 28-30 May 2008

Plenary Sessions

Poster presentations

Industrial exhibition

For more information

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