

FINAL PROGRAMME
International Society for Forensic Haemogenetics
17th International ISFH Congress



17th International ISFH Congress
September 2-6 1997
Oslo, Norway

Scientific Committee and ISFH Board (1996-1998)

Bjørnar Olaisen, President
Walter Bär, Vice President
Angel Carracedo, Representative of all Working Parties
Patrick Lincoln, Treasurer
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Bente Mevåg
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Heidi Eldorhagen, Secretary

Congress Secretariat

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GENERAL INFORMATION

Dear friends,

Welcome to The 17th ISFH Congress and to Oslo

The biannual meetings of our Society are an important event for all of us working in the field of forensic genetics. The opportunity to meet friends and colleagues, to exchange experience and learn from each other, is an inspiration in our daily work and essential for the future development of forensic genetics. It is therefore our hope that this year's meeting will be as fruitful and rewarding as previous meetings have been. In addition, we also hope that you will find the opportunity to visit some of Oslo's many attractions during your visit.

We wish you an enjoyable stay in Oslo.

Congress President

Bjørnar Olaisen



Chairperson
of the Organizing Committee

Brita Teige



CONGRESS LOCATION

Radisson SAS Scandinavia Hotel
Holbergsgate 30
N-0166 Oslo, Norway
Phone: (+47) 22 11 30 00
Fax: (+47) 22 11 30 17

CONGRESS LANGUAGE

The official language is English. No simultaneous translation will be available.

CONGRESS SECRETARIAT / REGISTRATION

The Secretariat is situated in the Congress Foyer and has the following opening hours:

Tuesday 2 September	12.00 - 18.00
Wednesday 3 September	08.00 - 18.00
Thursday 4 September	08.30 - 18.00
Friday 5 September	08.30 - 18.00
Saturday 6 September	08.30 - 13.30

The Secretariat has the following telephone and facsimile numbers:

Telephone	+47 22 36 05 32
Facsimile	+47 22 36 01 26

MESSAGES

Incoming messages for delegates will be posted on the Message Board in the registration area / Congress Secretariat - and should be picked up there. We will not have an announcement service for messages. Please check the Message Board regularly.

PRE-PAID HOTEL DEPOSIT

Pre-paid deposits (net of all bank charges) will be deducted from your hotel bill upon departure from Oslo. If International Conference Service has to invoice you after your departure from Oslo, an additional administration fee will be added.

SMOKING

The Norwegian government has made rules regarding smoking in most public areas. Please inquire and respect the signs.

SPEAKERS' READY ROOM

You will find a speakers' ready room behind the Congress Secretariat.

OPENING HOURS

Banks

Most banks are open during the following hours:

Weekdays except Thursdays	08.15 - 15.30
Thursday	08.15 - 17.00
Saturday and Sunday	closed

at the airport:

Weekdays	06.30-20.00
Saturday	06.30-18.00
Sunday	07.00-20.00

GENERAL INFORMATION

Pharmacies

Weekdays 08.30 - 17.00 / 21.00
Saturday 10.00 - 14.00

Shops / shopping centres

Monday, Tuesday, Wednesday and Friday 09.00 - 17.00 / 20.00
Thursday 09.00 - 19.00 / 20.00
Saturday 09.00 - 14.00 / 18.00

LUNCH

If you have ordered lunch(s), you will find your lunch coupon(s) in the delegate envelope. Please contact the Congress Secretariat if you would like to buy lunch coupons. The lunches will be served in Restaurant Holberg, Radisson SAS Scandinavia Hotel.

IDENTIFICATION BADGE

All participants and accompanying persons are kindly requested to wear their identification badge during the entire meeting. The identification badge serves as admittance card to Congress activities.

ORAL PRESENTATIONS

Sessions are held in the Plenary Session Room (Scandinaviasalen) in the Congress Foyer. Oral presentations (free papers) are restricted to 12 minutes, including discussion. The speakers are requested to arrange their slides in the carousel at least 15 minutes before the beginning of the session of their presentation. For this purpose, please go to the Speakers' Ready Room.

POSTER PRESENTATIONS

Posters are displayed permanently. The posters are numbered by abstract number. Please find the board for your poster. Means for mounting are available in the poster room. The authors will be available for discussion during their respective poster sessions. For any further requests, please contact the Congress Secretariat.

THE ISFH ASSEMBLY

1800-1900 Thursday 4 September Room: Scandinaviasalen

THE ISFH WORKING PARTIES' MEETINGS

1730-1830 Wednesday 3 September

English Speaking Working Group Room: Scandinaviasalen, Oslo
Japanese Speaking Working Group Room: Meetingroom 1
Italian Speaking Working Group Room: Scandinaviasalen, Copenhagen
Spanish and Portuguese Speaking Working Group Room: Scandinaviasalen, Stockholm
French Speaking Working Group Room: Norgessuitene, Skagerak

EDNAP MEETING

1700-1800 Friday 5 September Room: Scandinaviasalen

USERS' FORUM

1630-1800 Thursday 4 September Room: Scandinaviasalen PE Applied Biosystems:
The Use of Integrated
Fluorescent Systems
for STR Analysis

1700-1800 Friday 5 September Room: Scandinaviasalen DYNAL A.S:
Automated DNA Isolation

COMMERCIAL EXHIBITION AND COMPANIES ADVERTISING

Dynal A.S
The Forensic Science Services
Hitachi Software
Cellmark Diagnostics
PE Applied Biosystems
Pharmacia Biotech
Promega
Springer Verlag
Oswel
University Diagnostic / LGC
The Humana Press Inc.

PROCEEDINGS

Authors of accepted abstracts are requested to submit their final manuscripts at the Registration desk upon arrival. The manuscripts will be subjected to a review, and their acceptance will be announced as soon as possible. To ensure rapid publication, manuscripts will not be accepted after the end of the Congress.

ISFH-members, both participants and non-participants, have received former Proceedings (Advances in Forensic Haemogenetics) from the ISFH Congresses free of charge. The ISFH finances have, however, lately deteriorated (cfr. letter to the members from the ISFH president), and the ISFH has not yet decided upon the question regarding the payment for this years proceedings (Volume 7 of Advances in Forensic Haemogenetics). Proceedings will, however, be sent free of charge to Congress participants who have paid the registration fee for **non-members**.

WEDNESDAY 3 SEPTEMBER

OPENING CEREMONY

09.00 Opening of the Congress

Representatives:

Ministry of Justice and the Police, State Secretary Ingunn Yssen.
 Ministry of Children and Family Affairs, Political Adviser Frode Berge.
 Oslo Police Department, Chief of Police Ingelin Killengreen.
 University Of Oslo, Dean of Medical Faculty Jon Dale.
 ISFH, President Bjørnar Olaisen.
 Organizing Committee, Chairperson Brita Teige.

SESSION A: METHODOLOGY

Chairperson: Peter Gill

Lecture:

09.30 FORENSIC GENETICS TOWARDS THE END OF A MILLENNIUM
 B. Brinkmann

Posters: 10.30-12.00

- AP 1 HIGH PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) DETECTION OF PCR INHIBITORS IN 18 SAMPLES OF ANCIENT DNA
J.J. Arroyo, E. Arroyo-Pardo, L. Prieto, J.D. Casas, M.S. Rodriguez, I. Arenal, A. Pérez Pérez, J.M. Ruiz de la Cuesta, D. Turbón
- AP 2 EVALUATION OF TWO GENEPRINT™ FLUORSCENT STR MULTIPLEX SYSTEMS IN PATERNITY CASE WORK USING THE ABI 310 GENETIC ANALYZER
P.H. van Eede, E.P.M. Stoltenberg, G.G. de Lange
- AP 3 D1S80 TYPING IN CASEWORK: A SIMPLE STRATEGY TO DISTINGUISH NON-SPECIFIC MICROBIAL PCR PRODUCTS FROM HUMAN ALLELES
A. Fernández-Rodríguez, A. Alonso, C. Albarrán, M. Montesino, M.J. Iturralde, L. Fernández de Simón, P. Martín, M. Sancho
- AP 4 D1S80 SUBTYPING WITH PCR-RFLP METHOD USING ECORII
 A. Arakura, N. Harashima, CY. Liu, M. Ota, Y. Katsuyama, K. Takayanagi, H. Fukushima
- AP 5 A SIMPLE FOLDABLE CARDBOARD BOX FOR THE DRYING AND STORAGE OF BIOLOGICAL MATERIAL RECOVERED ON COTTON SWABS
 M. Hochmeister, O. Rudin, A. Eisenberg, R. Nagy, C. Gehrig, R. Dirrhofer
- AP 6 OPTIMIZATION OF NESTED PCR OF THE HV1 REGION IN HUMAN MITOCHONDRIAL DNA USING THE AMPLITAQ GOLD™ ENZYME
K. Hedberg, M.-L. Wiklund, S. Holgersson
- AP 7 UNIVERSAL METHOD OF HYPERSENSITIVE NESTED PCR TOWARD FORENSIC DNA TYPING
K. Honda, M. Nakatome, Z. Tun, M. Sakurada, S. Misawa
- AP 8 USING D3S1358 FOR QUANTIFICATION OF DNA AMENABLE TO PCR AND FOR GENOTYPE SCREENING
A. Kihlgren, A. Beckman, S. Holgersson
- AP 9 ANALYSIS OF STRs BY CAPILLARY ELECTROPHORESIS
 J.A. Luque, M. Crespiello, E. Ramirez, R.M. Fernández, J.L. Valverde
- AP 10 IMPROVEMENT IN MITOCHONDRIAL DNA ANALYSIS
 M.-N. Jumeau-Labrousse, M.-G. Le Roux, A. Peneau, A. Millasseau, V. Guibert, F. Guidet, J.-P. Moisan, O. Pascal

- AP 11 VALIDATION OF FESFPS AND F13A01 TYPING USING CAPILLARY ELECTROPHORESIS
P. Sanz, V. Prieto, M.I. Andres
- AP 12 HIGH THROUGHPUT SILVER STAIN MULTIPLEX STR ANALYSES
J.W. Schumm, C.J. Sprecher, A.M. Lins, K.A. Micka, D.R. Rabbach, J.A. Taylor, J.W. Bacher
- AP 13 AUTOMATED FLUORESCENT DETECTION OF 8-LOCUS AND 4-LOCUS STR MULTIPLEXES
J.W. Schumm, C.J. Sprecher, A.M. Lins, K.A. Micka, D.R. Rabbach, J.A. Taylor, J.W. Bacher
- AP 14 CAPILLARY-GEL ELECTROPHORESIS (CGE). STUDIES ON ACCURACY AND REPRODUCIBILITY IN DNA SIZING AND SEQUENCING
A. Tagliabracci, L. Buscemi, F. Bianchi, C. Sassaroli, D. Rodriguez
- AP 15 SIMULTANEOUS DETECTION OF ABO GENOTYPES AND AN X-STR
Z. Tun, M. Nakatome, M. Sakurada, K. Honda
- AP 16 INFRARED FLUORESCENCE DETECTION GENETIC MARKERS FROM FORENSIC SAMPLES
R. Roy, D.L. Steffens
- AP 17 DETECTION OF AZOOSPERMIC SEMEN WITH A NEW RAPID STRIP-TEST FOR PSA AND DNA PROFILING OF THESE SAMPLES BY THE PCR TECHNOLOGY
B. Hoste, N. Verlinden, D. Leonard, A. Marcotte

Oral communications:

- 12.00 RAPID DNA GENOTYPING ON CAPILLARY ARRAY ELECTROPHORESIS CHIPS
 P. Simpson, A. Woolley, T. Thorsen, G.F. Sensabaugh, R.A. Mathies
- 12.12 DETECTION OF A DNA SEQUENCE BY SURFACE ENHANCED RESONANCE RAMAN SCATTERING OF A MODIFIED DNA PROBE
 D. Graham, W.E. Smith, A.M.T. Linacre, N.D. Watson, P.C. White
- 12.24 DETERMINATION OF THE MTDNA CONTENT IN A HUMAN HAIR BY USING A QUANTITATIVE PCR ASSAY
R. Decorte, A. Gilissen, E. Jehaes, J.-J. Cassiman
- 12.36 SEPARATION OF SPERM AND VAGINAL CELLS FROM POSTCOITAL SWABS USING FLUORESCENCE ACTIVATED CELL SORTING (FACS) FOR FORENSIC PURPOSES
M. Klitschar, W. Schöll, D. Strunk, I. Oreskovic, S. Kraker, P. Pürstner
- 12.48 SEQUENCING OF ALLELES IN THE AmpFISTR PCR AMPLIFICATION KITS
K.D.A. Lazaruk, J. Wallin, P.S. Walsh

SESSION B: FORENSIC APPLICATION

Chairperson: Patrick Lincoln

Lecture:

14.30 CAPILLARY ELECTROPHORESIS IN FORENSIC CASEWORK
 Budowle, B.

Oral Communications:

- 15.15 RAPID mtDNA TYPING USING IMMOBILIZED SEQUENCE-SPECIFIC OLIGONUCLEOTIDE PROBES: ADVANTAGES AND LIMITATIONS
R. Reynolds, J. Varlaro, J. Griggs, S. Mack, K. Walker, H. Erlich, M. Alavaren
- 15.27 A STRATEGY FOR mt-DNA ANALYSIS OF HAIR SHAFTS IN PRACTICAL CASEWORK: RE-SSCP
M.V. Lareu, A. Salas, F. Barros, M.S. Rodriguez-Calvo, A. Carracedo

- 15.39 SHORT TETRAMERS FOR WEAK STAINS -A TEST OF THREE STRs
B. M. Dupuy, B. Mevåg, S. Jacobsen, B. Olaisen
- 15.51 SCREENING FOR MITOCHONDRIAL DNA SEQUENCE VARIATION BY SSCA AND HE: APPLICATIONS IN FORENSIC GENETICS
A. Alonso, P. Martín, C. Albarrán, O. García, M. Sancho
- 16.03 RAPID MITOCHONDRIAL DNA TYPING BY SOLID-PHASE MINISEQUENCING: FORENSIC APPLICATIONS
G. Tully, J. Morley, J. Bark, C. Evans, C. Hewitt, K. Sullivan
- 16.15 MITOCHONDRIAL DNA (MTDNA) ANALYSIS OF INDIVIDUALS FROM A MASS GRAVE
W. Goodwin, G. Curry, P. Vanezis

Posters: 16.30-18.00

- BP 1 IDENTIFICATION OF HUMAN REMAINS: SHORT-TANDEM REPEAT-SYSTEMS VERSUS MITOCHONDRIAL DNA
C. Augustin, E. Grossevollmer, K. Püschel
- BP 2 IDENTIFICATION OF A MISSING ITALIAN SOLDIER OF WWII
I. Boschi, D. Hall, C. Capelli, A. Caglià, F. Consigliere, V.L. Pascali
- BP 3 APPLICATION OF CONVENTIONAL AND DNA POLYMORPHISMS TO PATERNITY CASES
R. Domenici, R. Bibbani, S. Fornaciari, M. Nardone, A. Rocchi, I. Spinetti, M. Venturi, M. Bargagna
- BP 4 HUMAN IDENTIFICATION USING MITOCHONDRIAL DNA EXTRACTED FROM A BEARD, HAIR AND LIVER
I. Furac, S. Marketin, M. Kubat
- BP 5 DNA ANALYSIS OF 1162 PARENTAGE CASES
A. Kratzer, S. Furling, W. Bär
- BP 6 EVALUATION OF PROSTATE - SPECIFIC ANTIGEN (PSA) MEMBRANE TESTS FOR THE FORENSIC IDENTIFICATION OF SEMEN
M. Hochmeister, O. Rudin, U.V. Borer, C. Gehrig, R. Dirnhofer
- BP 7 FORENSIC DNA TYPING OF SINGLE HAIR: MITOCHONDRIAL DNA SEQUENCING AND HIGHLY DISCRIMINATING STR MULTIPLEXES
D. Miscicka-Sliwka, T. Grzybowski, M. Wozniak, J. Czarny
- BP 8 FINGERPRINTS FROM FINGERNAILS?
D. Hall, R. Maviglia, C. Capelli
- BP 9 COMPARATIVE ANALYSIS OF ABO TYPING BY BOTH DNA AND SEROLOGICAL ANALYSIS FROM HIGHLY PUTREFIED SEMEN
R. Kobayashi, N. Iizuka, H. Tsushima, Y. Itoh
- BP 10 FAMILY RELATIONS RECONSTRUCTION IN A MURDER CASE
G. Vespi, M. Pizzamiglio, C. Vecchio, L. Garofano, G. Lago
- BP 11 DNA ANALYSIS ON SKELETAL REMAINS AFTER MONTHS OF PERMANENCE IN SEA-WATER
G. D'Errico, C. Zanon, G. Lago, G. Zignale, L. Garofano
- BP 12 URINE EVIDENCE LEFT ON CRIME SCENE A ROBBERY
C. Zanon, G. Vespi, G. Iacovacci, G. Lago, L. Garofano
- BP 13 ALTERNATIVE SOURCE OF DNA IN CLOTHS SPECIMENS
M. Bruno, G. D'Errico, G. Iacovacci, G. Lago, L. Garofano
- BP 14 NEWBORN GENETIC IDENTIFICATION: EXPANDING THE FIELDS OF FORENSIC HAEMOGENETICS
J.A. Lorente, M. Lorente, M.J. Lorente, C. Entrala, J. López-Muñoz, E. Villanueva
- BP 15 DOUBLE PATERNITY IN TWINS
J.A. Lorente, E. Girela, M. Lorente, J.C. Alvarez, M.D. Rodrigo, A.J. Eisenberg, E. Villanueva

- BP 16 MINIMAL AMOUNTS OF DNA: IMPROVING THE RESULTS OF THE ANALYSIS IN FORENSIC CASEWORK
M. Lorente, J.A. Lorente, C. Entrala, J.C. Alvarez, M.R. Wilson, B. Budowle, E. Villanueva
- BP 17 DANDRUFF AS A SOURCE OF DNA: VALIDATION STUDIES
M. Lorente, J.A. Lorente, C. Entrala, J.C. Alvarez, E. Villanueva, B. Budowle
- BP 18 RAPID MATERNITY EXCLUSION OF SKELETAL REMAINS BY mtDNA MINISEQUENCING
A. Mannucci, S. Verdiani, F. de Stefano, L. Casarino, M.G. Costa, M. Canale
- BP 19 STR ANALYSIS OF SEMEN CONTAINED IN VAGINAL SWABS AND POSTCOITAL INTERVAL
V. Morhart, W. Keil, G. Weichhold, B. Bayer
- BP 20 FORENSIC APPLICATION OF HUMAN DNA QUANTITATION KIT: SPECIES IDENTIFICATION AND DNA QUANTITATION IN DENTAL PULP
R. Mukoyama, H. Ohtaguro, T. Komuro, H. Mukoyama
- BP 21 DNA MICROSATELLITE POLYMORPHISMS AND THE SYRINGE EXCHANGE PROGRAMME FOR AIDS PREVENTION
C. Menoyo, E. Lamikiz, D. Zulaika, A. Castro, I. Fernández-Fernández, M. de Pancorbo M.
- BP 22 NEWBORN GENETIC IDENTIFICATION: MICROSATELLITE DNA AS AN ALTERNATIVE TO FOOTPRINTING
M. de Pancorbo M., J. Rodríguez-Alarcón, A. Castro, I. Fernández-Fernández, A. García-Orad, G. Tamayo, J.C. Melchor, A. Linares, L.F. LLebraz del Rey
- BP 23 HYPERVARIABLE MITOCHONDRIAL DNA SEQUENCES ANALYSIS OF VARIOUS SAMPLES IN A FORENSIC CASEWORK
E. Brignon, H. Pfitzinger
- BP 24 HUMAN SEX DETERMINATION FOR FORENSIC PURPOSES: COMPARISON OF DIFFERENT METHODS
E. Ponzano, L. Caenazzo, P. Cortivo
- BP 25 DRUG ABUSE DEATHS: DNA INDIVIDUALISATION OF TRACES OF BLOOD FROM HYPODERMAL SYRINGES
V. Prieto, M.I. Andrés, P. Sanz, M. Repetto
- BP 26 RECOVERY OF HIGH QUALITY DNA FROM 500-YEAR-OLD SKELETAL REMAINS FOR FORENSIC DNA TYPING
M. Sakurada, M. Nakatome, Z. Tun, K. Honda
- BP 27 DNA TYPING FROM HUMAN DENTINE
M. Schulz, W. Reichert, R. Mattern
- BP 28 FORENSIC VIEW FOR GENETIC PROFILES AFTER BONE MARROW TRANSPLANTS
M.J. Anjos, L. Souto, M. Carvalho, A. Martinho, P. Santos, O. Simões, H. Brêda-Coimbra, D.N. Vieira, M.C. Vide
- BP 29 MONITORING PATIENTS AFTER BONE MARROW TRANSPLANTATION - A COMPARISON OF METHODS
M. Stenersen, A.C. Henriksen, K. Sandvik, H. Torgersen, B. Olaisen
- BP 30 SHORT TANDEM REPEAT ANALYSIS TO MONITOR CHIMERISM AFTER BONE-MARROW TRANSPLANTATION
J. Hasskamp, D. Syndercombe Court, C.P. Phillips, S.M. Kelsey, A.C. Newland
- BP 31 DNA TYPING OF EPITHELIAL CELLS
P. Wiegand, M. Kleiber
- BP 32 DETECTION AND QUANTITATION OF THE AGE-DEPENDENT 4977 BP DELETION OF HUMAN MITOCHONDRIAL DNA
N. von Wurmb, C. Meissner, B. Schimansky, M. Oehmichen
- BP 33 INDIVIDUALIZATION OF URINE SAMPLES IN DOPING CONTROL BY STEROID PROFILING AND PCR BASED DNA ANALYSIS
P. Bershick, H. Geyer

PROGRAMME

Tuesday 2 September	Wednesday 3 September	Thursday 4 September	Friday 5 September	Saturday 6 September
	<p>Topic of the day : Methodology and Forensic Applications</p> <p>0900-0930 Opening ceremony</p> <p>0930-1030 Bernd Brinkmann Forensic Genetics towards the End of a Millennium</p> <p>1030-1200 Coffee break, exhibition and poster session AP 1 - 17</p> <p>1200-1300 Oral presentations AO 1 - 5</p>	<p>Topic of the day : Polymorphisms</p> <p>0900-1030 Oral presentations CO 1 - 7</p> <p>1030-1200 Coffee break, exhibition and poster session CP 1 - 9</p> <p>1200-1300 Sir Alec J. Jeffreys Spontaneous and Induced Mutation in the Human Genome</p>	<p>Topic of the day : Our Maternal and Paternal Heritage - Forensic and Anthropological Applications</p> <p>0900-1000 Oral presentations EO 1 - 5</p> <p>1000-1200 Coffee break, exhibition and poster session EP 1 - 23</p> <p>1200-1300 Svante Pääbo Mitochondrial DNA Variation as Means to Reconstruct Population History</p>	<p>Topic of the day : Quality, Statistics and Ethical Standards</p> <p>0900-1030 Round Table Conference: Quality, Efficiency, Safety Commercialism - Is there a conflict ?</p> <p>1030-1200 Coffee break, exhibition and poster session GP 1 - 8</p> <p>1200-1300 Oral presentations GO 1 - 5</p>
1200-1800 Registration				

	1300-1430 Lunch	1300-1430 Lunch	1300-1430 Lunch	1300-1305 Closing remarks: B. Olaisen
	1430- 1515 Bruce Budowle: Capillary Electrophoresis in Forensic Casework	1430-1630 Oral presentations DO 1 - 8	1430-1515 Lutz Roewer The Y Chromosome: Forensic Analysis and Evolutionary Aspects	
	1515-1630 Oral presentations BO 1 - 6		1515-1615 Oral presentations FO 1 - 5	
	1630-1800 Coffee break, exhibition and poster session BP 1 - 41	1630-1800 Coffee break, exhibition and poster session DP 1 - 56	1615-1800 Coffee break, exhibition and poster session FP 1 - 13	
1800 Reception Oslo City Hall	1730-1830 ISFH working parties	1800-1930 ISFH Assembly	1700-1800 Users' Forum DynaI	1700-1800 EDNAP
	1930 Departure with buses from the congress hotel Maritime evening	Evening free	1900 Departure with buses from the congress hotel Norwegian Night	

Wednesday 3 September

- BP 34 FUNERARY RECRUITMENT IN A SEPULCHRAL CAVE DATED FROM THE BRONZE AGE
M.L. Fily, E. Crubécy, P. Courtaud, D. Ebrard, C. Keyser, B. Ludes
- BP 35 ANALYSIS OF HIGHLY DEGRADED DNA BY SOLID PHASE CYCLE SEQUENCING OF HLA CLASS II DRB1 AND DQB1 ALLELES USED IN PATERNITY AND IDENTIFICATION CASES
G. Holmlund, I. Lodestad, L. Engdahl, A. Langö, A.-M. Ekdal, M. Sandehed, H. Malmgren, S. Nordlöf, G. Bäckström, A. Berkowicz, B. Lindblom
- BP 36 EXPERIMENTAL EXERCISE ON MITOCHONDRIAL DNA SEQUENCING FOR FORENSIC CASEWORK ANALYSIS
B.M. Dupuy, E. Staalstroem, B. Olaisen
- BP 37 MITOCHONDRIAL DNA IN FORENSIC CASEWORK: SEQUENCING OF THE CYTOCHROME B GENE FOR SPECIES IDENTIFICATION
W. Parson, H. Niederstätter, K. Pegoraro, R. Scheithauer
- BP 38 VALIDATION OF SHORT TANDEM REPEAT POLYMORPHISMS AT LOCUS APOA1, D11S554 AND ACTBP2 FOR PATERNITY TESTING
M. Stenersen, D. Perchla, P. Hoff-Olsen, B. Olaisen
- BP 39 FORENSIC ENTOMOGENETICS: MAY THE FLY BE THE "SPY" TO IDENTIFY THE PERPETRATOR?
P. Hoff-Olsen, B. Mevaag, M. Staerkeby
- BP 40 CAPILLARY ELECTROPHORESIS IN A FORENSIC CASE
Anna Barbaro, Aldo Barbaro
- BP 41 NEW PRIMERS OF ABO BLOOD GROUP SYSTEM FOR STAIN SAMPLES
I. Sakai, N. Mizuno, H. Senju, K. Kasai, K. Sekiguchi, T. Ohmori

SESSION C: POLYMORPHISMS

Chairperson: George Sensabaugh

Oral Communications:

- 09.00 STRUCTURE AND GENE FREQUENCY DISTRIBUTION OF LOCUS D16S543 (WG1F2) IN THE JAPANESE POPULATION
M. Ota, Y. Katsuyama, C.Y. Liu, A. Arakura, K. Takayanagi, H. Fukushima
- 09.12 THE DEVELOPMENT OF A THIRD GENERATION STR MULTIPLEX SYSTEM
S. Watson, R. Webb, Z. Kelsey, J. Evans, P. Gill
- 09.24 MULTIPLEX ANALYSIS AND FORENSIC VALIDATION OF FOUR NEW TETRAMERIC STRs
E. d'Aloja, R. Maviglia, M. Dobosz, V.L. Pascali
- 09.36 DEVELOPMENT AND VALIDATION OF THE AmpFISTR PROFILER KIT
P.S. Walsh, J. Wallin, C. Holt, K. Lazaruk
- 09.48 ORIGIN AND DISPERSAL OF EXTRAORDINARY ALLELES AT THE DYS390 MICROSATELLITE
E. Meyer, M. Kayser, B. Rolf, B. Brinkmann
- 10.00 FURTHER EXPLORING OF NEW STRs OF INTEREST FOR FORENSIC GENETIC ANALYSIS
M.V. Lareu, S. Barral, A. Salas, M.S. Rodriguez-Calvo, C. Pestoni, A. Carracedo
- 10.12 SEQUENCE STRUCTURE OF THE D8S320 LOCUS: A NEW STR IN FORENSIC SCIENCE
M. Verheesen, A. Junge, A. Baasner, B. Madea

Posters: 10.30-12.00

- CP 1 DNA ANALYSES OF ABO BLOOD GROUP VARIANTS, A3, Aend AND Bm
Y. Itoh, N. Iizuka, R. Kobayashi
- CP 2 AHSG PHENOTYPING IN DENTAL PULPS
A. Kido, R. Susukida, M. Oya
- CP 3 A NOVEL APPROACH FOR ABO BLOOD GROUP GENETIC SUBTYPING AND THE ALLELE FREQUENCY DISTRIBUTION IN A HUNGARIAN ROMANY POPULATION GROUP
Z. Kozma, M. Yamada, A. Nishimura, I. Bajnóczky, K. Nishi
- CP 4 THE EXPRESSION OF LEWIS ANTIGENS AND CARBOHYDRATE CHAINS IN HUMAN BRAIN
A. Nishimura, I. Ushiyama, Y. Yamamoto, M. Ohta, M. Nagatomo, M. Yamada, K. Nishi
- CP 5 TWO GENETIC VARIANTS, ISEHARA-1 AND 2, OF α 1-ANTITRYPSIN
M. Osawa, M. Tsuda, N. Yukawa, T. Saito, S. Takeichi
- CP 6 Pi SUBTYPING WITH CAPILLARY ELECTROPHORESIS
A. Pahl, W. Blum, H.H. Hoppe
- CP 7 ABO GENOTYPING WITH A FLOURESCENSDETECTION SYSTEM
A. Pahl, H.H. Hoppe
- CP 8 ANALYSIS OF ABO TYPES USING A PANEL OF SEQUENCE-SPECIFIC OLIGONUCLEOTIDE PROBES
R. Reynolds, M. Alavaren, R. Shahinian, G. Zangenberg, M. Grow
- CP 9 EVALUATION AND APPLICATION OF HIGHLY INFORMATIVE AND SENSITIVE HLA-DRB1 AND DPB1-INNO-LIPA TYPING SYSTEMS IN FORENSIC PRACTICE
H. Zimdahl, C. Krüger, P. Anders, L. Roewer, M. Nagy

SESSION D: POLYMORPHISMS

Lecture:

Chairperson: Lotte Henke

- 12.00 Spontaneous and Induced Mutation in the Human Genome
A.J. Jeffreys

Oral Communications:

Chairperson: Bruce Budowle

- 14.30 MVR ANALYSIS OF THE HRAS1 MINISATELLITE: A NEW POLYMORPHISM OF MEDICAL, ANTHROPOLOGICAL AND FORENSIC INTEREST
A. Vega, F. Barros, M.V. Lareu, A. Salas, M.S. Rodriguez-Calvo, A. Carracedo
- 14.45 SEPARATION OF MVRPCR LOCUS D1S8 BY CAPILLARY ELECTROPHORESIS
A. Alkhayat, N. Watson
- 15.00 A MODEL SYSTEM IN YEAST FOR THE STUDY OF MUTATIONAL MECHANISMS OPERATING AT HUMAN MINISATELLITES
H. Cederberg, H. Appelgren, I. Berg, Q. He, S. Maleki, U. Rannug
- 15.15 REPEAT ARRAY VARIATION IN D7S22 ALLELES REVEALED BY ALLELE SPECIFIC MVR-PCR
R. Andreassen, B. Olaisen
- 15.30 ALLELIC DIVERSITY IN THE VARIABLE NUMBER OF TANDEM REPEAT MARKER D2S44 (YNH24) SHOWN BY MULTI VARIANT REPEAT MAPPING
G. Holmlund, L. Engdahl, M. Martilla, B. Lindblom
- 15.45 RECOMBINATION AS A MECHANISM FOR SEQUENCE DIVERSITIES IN THE ABO GENE: POPULATION DIFFERENCE IN THE OCCURRENCE OF THE RECOMBINANTS AND EVIDENCE FOR GENE CONVERSION
K. Suzuki, J. Henke, L. Henke, K. Ogasawara, M. Iwata, A. Tamura, H. Nishio, T. Miyazaki, H. Tsuji, K. Matsui, R. Konishi
- 16.00 DETECTION OF DE NOVO MUTATION IN THE GC SYSTEM BY DNA SEQUENCE ANALYSIS
S. Weidinger, I. Yuasa, M. Schröder, A.G. Gathof

Posters: 16.30-18.00

- DP 1 ALLELE FREQUENCY DISTRIBUTION OF D3S1358 AND FGA LOCI IN A SOUTHERN SPAIN POPULATION
M.I. Andres, V. Prieto, I. Flores, P. Sanz
- DP 2 FORENSIC VALIDATION, POPULATION DATA, AND AUTOMATED ALLELE DETECTION OF THE CO-AMPLIFIED STR LOCI D3S1358, VWA AND FGA
M. Benecke, M. Staak, C. Schmitt
- DP 3 PCR-NUCLEAR DNA POLYMORPHISMS IN AN ALPIN SWISS VILLAGE. COMPARISON WITH EUROPEAN POPULATIONS
C. Brandt-Casadevall, W. Scheffrahn, N. Dimo-Simonin, P. Mangin
- DP 4 ALLELE FREQUENCIES OF THE STR LOCUS HUMFGA IN AN ITALIAN POPULATION
L. Buscemi, A. Tagliabracci, F. Bianchi, M. Paoli, C. Sassaroli, D. Rodriguez, L. Caenazzo, E. Ponzano, P. Cortivo, C. Previderè, G. Peloso, G. Pierucci, R. Bibbiani, M. Nardone, I. Spinetti, R. Dominici, M. Bargagna
- DP 5 GENETIC STUDIES OF THE NUCLEOTIDE REPEAT CYP19
B. Caeiro, J.R. Luis, S. Dios
- DP 6 TWO STRs IN A POPULATION OF NORTHERN ITALY: PHENOTYPES AND ALLELE FREQUENCIES
N. Cerrí, F. Zorzi, F. de Ferrari
- DP 7 FRENCH POPULATION DATA OF FIVE VNTR LOCI
K. Crainic, V. Khalifat, C. Doucet, L. Fournier, A. Haertig

- DP 8 POPULATION GENETICS OF 14 STRS: VWA, TH01, TPOX, CSF1PO, D5S818, D13S317, D7S820, D16S539, F13A01, FESFPS, F13B, LPL, D3S1358 AND FGA IN THE POMERANIA-KUJAWY REGION OF POLAND
D. Miścicka-Siłwka, J. Czarny, T. Grzybowski, M. Wozniak
- DP 9 SEQUENCING AND POPULATION DATA OF A SHORT TANDEM REPEAT LOCUS IN THE HUMAN ALPHA FIBRINOGEN GENE (HUMFGA) IN AN AUSTRIAN POPULATION SAMPLE
E.M. Dauber, B. Glock, D.W.M. Schwartz, W.R. Mayr
- DP 10 TPOX, VWA31/A, HUMTH01, CYP19, D5S373, D8S323, D8S344, D8S345: AN STR DATABASE FOR A WEST AFRICAN POPULATION
S. Dios, J.R. Luis, B. Caeiro
- DP 11 DNA-FINGERPRINTING WITH MULTI-LOCI PROBES MZ1.3, 33.15 AND CAC/GTG5, THE FREQUENCIES OF POLYMORPHIC FRAGMENTS IN THE SAMPLE OF POLISH POPULATION
T. Dobosz, H. Juszcak, B. Świtek
- DP 12 ALLELE FREQUENCIES OF FOUR STR POLYMORPHISMS IN AN ITALIAN POPULATION SAMPLE
M. Dobosz, A. Caglia, R. Maviglia, I. Boschi
- DP 13 ALLELE FREQUENCIES DISTRIBUTION OF THREE STRs LOCI (F13B, CSF1PO, CD4) IN TUSCANY (ITALY)
R. Domenici, R. Bibbiani, S. Fornaciari, M. Nardone, A. Rocchi, I. Spinetti, M. Bargagna
- DP 14 NEW ALLELES OF D12S391 STR LOCUS
T. Ribeiro, R.M. Brito, R. Espinheira, H. Geada
- DP 15 ALLELE FREQUENCIES (HUMVWA; HUMTH01 AND HUMFES/ FPS) IN A POPULATION SAMPLE OF SOUTH WEST-GERMANY
R. Förster, G. Bässler, W. Pflug, J. Schnee-Griese, S. Uhl
- DP 16 ALLELE FREQUENCY DISTRIBUTION OF 7 STR LOCI IN THE BASQUE COUNTRY AUTOCHTHONOUS POPULATION
O. Garcia, P. Martin, C. Albarrán, A. Alonso
- DP 17 DUPLEX STR ANALYSIS OF D19S253 AND D18S51 IN A PORTUGUESE POPULATION
T. Ribeiro, R.M. Brito, R. Espinheira, H. Geada
- DP 18 SARDINIAN POPULATION DATA ON STR LOCUS HUMTH01
S. Gessa, C. Carcassi, L. Floris, F. Paribello, S. Lai, R. Demontis, F. Alba, S. Montaldo, L. Contu
- DP 19 AUSTRIAN POPULATION DATA ON THE POLYMORPHIC STR LOCI DYS19 AND HUMF13B
B. Glock, D.W.M. Schwartz, E.M. Dauber, E.M. Jungl, W.R. Mayr
- DP 20 GENETIC PROFILING OF S.MIGUEL ISLAND (AZORES)
M.J. Prata, L. Gusmão, P. Mota, D. Silva, A. Amorim
- DP 21 DISTRIBUTION OF FXIIIA SUBTYPES IN JAPANESE AND IN CHINESE
A. Kido, M. Oya
- DP 22 A STUDY ON FIVE SHORT TANDEM REPEAT SYSTEMS IN A YEMENIAN POPULATION SAMPLE
M. Klintschar, N. Al Hammadi
- DP 23 ALLELE FREQUENCIES AND SEQUENCE STUDIES OF A HIGHLY VARIABLE SHORT TANDEM REPEAT AT THE D17S976 LOCUS
M. Klintschar, B. Glock, E.M. Dauber, W.R. Mayr
- DP 24 POPULATION GENETIC STUDY FOR THE STR LOCI D21S11 AND HUMFIBRA ANALYSED BY USING A FLUORESCENT BASED COAMPLIFICATION AND AUTOMATED DETECTION
Z. Kozma, A. Nagai, J. Woller, S. Füredi, J. Sétáló, A. Nishimura, I. Ohya, I. Bajnóczky, K. Nishi

- DP 25 ALLELE FREQUENCIES OF D3S1358 AND FGA IN A CENTRAL SPANISH POPULATION
P. Martín, O. García, A. Alonso, C. Albarrán, M. Sancho
- DP 26 PYRENEAN POPULATION DATA ON 3 TETRAMERIC SHORT TANDEM REPEAT LOCI- HUMTHO1, TPOX AND CSF1PO-DERIVED USING A STR MULTIPLEX SYSTEM
B. Martínez-Jarreta, P. Diaz Roche, E. Abecia, M. Castellano, Y. Casalod
- DP 27 D3S1358 AND D8S1179: ANALYSIS AND ALLELE FREQUENCIES IN A SOUTH GERMAN POPULATION
E. Mornhinweg, C. Luckenbach, H. Ritter
- DP 28 ALLELE FREQUENCIES AND SEQUENCE DATA OF THE STR LOCUS D11S554 IN A JAPANESE POPULATION
A. Nagai, Y. Watanabe, S. Yamada, Y. Bunai, I. Nakamura, I. Ohya
- DP 29 DETECTION OF VNTR AND SEQUENCE VARIANTS OF THE HUMAN DOPAMINE D4 RECEPTOR GENE (DRD4) IN THE JAPANESE AND MONGOLIAN POPULATION
M. Nakatome, Z. Tun, M. Sakurada, K. Honda
- DP 30 COMPLEX STRs (ACTBP2, D21S11 AND FIBRA /FGA) IN TWO SPANISH POPULATIONS: NEW INTERMEDIATE ALLELES AND POPULATION GENETIC PECULIARITIES IN ACTBP2
C. Pestoni, J. López-Gómez, M. Aler, M.V. Lareu, M.S. Rodríguez-Calvo, A. Carracedo
- DP 31 HUMTHO1, HUMVWA31A, AND 3'APOB VNTR-PCR LOCI FREQUENCIES STUDIED IN SAHARAUI SAMPLE POPULATION (WEST SAHARA NATIVE POPULATION)
M. Gené, M.F. Pinheiro, M. Luna, J. Corbella, P. Moreno, E. Huguet
- DP 32 ANNOBON ISLAND POPULATION (EQUATORIAL GUINEA) CHARACTERISED BY FIVE VNTR-PCR POLYMORPHISMS
E. Huguet, M.F. Pinheiro, M. Luna, J. Corbella, J. Mas, M. Gené, P. Moreno
- DP 33 VALIDATION OF A FREQUENCY DATABASE FOR TWO STR LOCI (CD4 AND D12S391)
M.F. Pinheiro, M.L. Pontes, E. Huguet, M. Gené, J. Pinto da Costa
- DP 34 AUTOMATED TYPING OF 4 TETRAMERIC STR: A NORTH OF PORTUGAL DATABASE
M.L. Pontes, M.F. Pinheiro, E. Huguet, M. Gené, J. Pinto da Costa
- DP 35 POPULATION GENETICS OF THE F13A1 STR POLYMORPHISM IN NORTH PORTUGAL AND S. TOMÉ E PRINCIPE
C. Miranda, M.J. Prata, A. Amorim
- DP 36 ANALYSIS OF THREE STRs (HUMCD4, HUMCSF1PO, HUMTPOX) IN FORENSIC SAMPLES AND PATERNITY TESTS
U. Ricci, F. Gori, A. Sereni, C. Biondi, M.L. Giovannucci Uzielli
- DP 37 YNZ22 POPULATION DATA IN THE TUSCAN POPULATION (CENTRAL ITALY)
U. Ricci, C. Biondi, M.L. Giovannucci Uzielli
- DP 38 STR DATABASE FROM ARGENTINA: STATISTICAL COMPARISON WITH OTHER CAUCASIAN DATABASES
A. Sala, G. Penacino, N. Iannucci, D. Corach
- DP 39 STR SYSTEM D8S1132: GENETIC DATA OF TWO GERMAN POPULATION SAMPLES
H.R. Schneider, P. Wiegand, M. Schürenkamp, M. Kleiber
- DP 40 FLUORESCENCE BASED MULTIPLEX ANALYSIS OF THE STR POLYMORPHISM FIBRA, VWFA31 AND D18S51 IN GERMAN CAUCASOID INDIVIDUALS
C. Seidl, S. Müller, M. Kilp, E. Seifried
- DP 41 SEQUENCE ANALYSIS AND ALLELE FREQUENCIES OF STR LOCI D19S246 AND D11S488 IN GERMAN CAUCASIANS
C. Seidl, S. Müller, E. Seifried
- DP 42 GENETIC VARIATION AT 6 STR LOCI IN THE JAPANESE POPULATION
K. Yoshida, K. Kasai, H. Sato, C.H. Brenner, G.F. Sensabaugh
- DP 43 POPULATION AND SEGREGATION DATA ON THE MULTIPLEX SYSTEM (THO1, VWA, FES, F13A1) FROM CENTRAL PORTUGAL
L. Souto, A. Amorim, M.C.Vide
- DP 44 POPULATION STUDY OF THE HUMVWA, HUMTHO1, HUMFES AND HUMF13A1 STR POLYMORPHISMS IN THE SOUTH-WEST OF SPAIN
J.J. Gamero, L. Souto, D.N. Vieira, M.A. Vizcaya, M.I. Arufe, M.M. Feliú, M.C. Vide, J.L. Romero
- DP 45 AN ITALIAN COLLABORATIVE STUDY ON HUMFES/FPS LOCUS (GEFI PROJECT ANCONA 2). ALLELE AND PHENOTYPE FREQUENCIES
F. de Stefano, S. Presciuttini
- DP 46 ALLELE FREQUENCY OF THE HUMVWA31 LOCUS IN ITALY. REPORT OF THE GEFI COLLABORATIVE STUDY "ANCONA 1"
A. Tagliabracci, S. Presciuttini
- DP 47 GENETICS OF THE D12S391 STR LOCUS IN THE CHINESE, THAI AND GERMAN POPULATIONS
W. Waiyawuth, L. Zhang, C. Rittner, P.M. Schneider
- DP 48 CD4, CYP19, FABP2 AND LPL: ANALYSIS, SEQUENCING AND FREQUENCY DATA
R. Weispenning, C. Luckenbach, H. Ritter
- DP 49 POPULATION DATA ON THE LOCI HLA-DQA1, LDLR, GYPA, HBGG, D7S8, GC AND D1S80 IN A HUNGARIAN ROMANY POPULATION
J. Woller, B. Budowle, M. Angyal, S. Füredi, Z. Pádár
- DP 50 A STUDY OF SEQUENCE POLYMORPHISM IN HUMAN ALPHA FIBRINOGEN GENE IN POMERANIA-KUJAWY REGION OF POLAND. IDENTIFICATION OF TWO ALLELES PREVIOUSLY REPORTED TO BE ABSENT IN CAUCASIANS
D. Miscicka-Sliwka, M. Wozniak, T. Grzybowski, J. Czarny
- DP 51 POPULATION GENETIC COMPARISON OF DNA POLYMORPHISM IN DRUG METABOLIZING ENZYME
M. Yamada, Z. Kozma, A. Nishimura, K. Nishi
- DP 52 POLYMORPHISM ANALYSIS OF NINE STR LOCI IN JAPANESE USING MULTIPLEX PCR AND CAPILLARY ELECTROPHORESIS
T. Yamamoto, R. Uchihi, H. Nozawa, X.L. Huang, Y.K. Leong, M. Tanaka, M. Mizutani, K. Tamaki, Y. Katsumata
- DP 53 POPULATION GENETIC STUDY USING THE AMPFLSTR BLUE™ TYPING-KIT
R. Zehner
- DP 54 COMPARISONS OF ALLELE FREQUENCIES IN THREE HYPERPOLYMORPHIC STRs BETWEEN NORWEGIAN SAAMIS AND THE MAIN POPULATION
B.M. Dupuy, T. Gedde-Dahl, B. Olaisen
- DP 55 UK CAUCASIAN DATABASES FOR THE SHORT TANDEM REPEAT LOCI D12S11, HUMFIBRA AND D8S1179
C. Philips, D. Syndercombe Court, N. Tamaki
- DP 56 PATTERNS OF HAPLOTYPE VARIATION AT THE D1S80 LOCUS AND A FLANKING SEQUENCE POLYMORPHISM IN AFRICAN AND NON-AFRICAN POPULATIONS
C. Albarrán, O. García, A. Alonso, R. Deka, P. Martín, L. Gusmão, A. Amorim, M. Sancho

SESSION E: MITOCHONDRIAL AND Y-CHROMOSOME GENETICS

Chairperson: Bernd Brinkmann

Oral Communications:

- 09.00 MVR ANALYSIS OF THE MSY1 MINISATELLITE
J.L. Soto, S. Bellas, M. Brion, M.V. Lareu, A. Carracedo, M.S. Rodriguez-Calvo
- 09.15 ALLELE FREQUENCIES AND HAPLOTYPES OF EIGHT HUMAN Y-STRS: A COMPARISON BETWEEN SARDINIAN AND CONTINENTAL ITALIAN SAMPLES
A. Caglia, M. Dobosz, I. Boschi, A. Friori, V.L. Pascali
- 09.30 Y-SPECIFIC STR IN FORENSIC CASEWORK: VALIDATION STUDIES
D. Corach, G. Penacino, A. Sala, N. Innaucci, M. Martinez, A. Villafañe, M. Kaiser, L. Roewer
- 09.45 Y-CHROMOSOME STR HAPLOTYPES: CONSTRUCTION OF ALLELIC LADDERS, SEQUENCING DATA AND POPULATION DATA FROM GALICIA (NW SPAIN)
C. Pestoni, M.L. Cal, S. Bellas, S. Barral, M.V. Lareu, M.S. Rodriguez-Calvo, A. Carracedo
- 10.00 GEOGRAPHIC CLUSTERING OF HAPLOTYPES OF THE HUMAN DYS389 TETRANUCLEOTIDE REPEAT LOCUS
B. Rolf, E. Meyer, P. de Knijff, B. Brinkmann

Posters: 10.00-12.00

- EP 1 SOMATIC INSTABILITY IN GASTRIC TUMORS AT STRs USED IN FORENSIC GENETICS
F. Silva, A. Amorim, L. Gusmão
- EP 2 DURING A RAPE INVESTIGATION THE SUSPECT WAS FOUND TO BE HETEROPLASMIC IN HUMVWA31/A
R. Ansell, A. Kihlgren
- EP 3 WHY NOT USE MVR IN FORENSIC CASEWORK? FORENSIC USEFULNESS OF MVR VARIATION AT THE MS32 AND MS31 LOCI
S. Bellas, J.L. Soto, M. Brion, M.V. Lareu, A. Carracedo, M.S. Rodriguez-Calvo
- EP 4 TWO DISCRIMINATORY MULTIPLEX STR SYSTEMS FOR FORENSIC IDENTIFICATION: VALIDATION AND CANADIAN CASEWORK EXPERIENCE WITH AUTOMATED FLUORESCENT TECHNOLOGIES
C.J. Fréreau, K.L. Bowen, R.M. Fourney
- EP 5 ANALYSIS OF MANUAL AND AUTOMATED ALLELE-TYPING OF THE STR-LOCUS SE 33
A. Gabler, C. Luckenbach, H. Ritter
- EP 6 INCREASING OF INFORMATIVENESS OF THE HIGH MICROVARIATION STR SYSTEMS WITHOUT SEQUENCING
D. Miscicka-Sliwka, T. Grzybowski, J. Czarny, M. Wozniak
- EP 7 INVESTIGATION OF MICROVARIANTS FROM THE REGION D1S80
H. Haas-Rochholz, G. Weiler
- EP 8 A NOVEL GENETIC POLYMORPHISM OF HUMAN CHOLECYSTOKININ GENE AND RELATIONSHIP TO ALCOHOL DEPENDENCY
S. Harada, T. Okubo, S. Zhang
- EP 9 SOMATIC MUTATION SPECTRA OF THE HYPERPOLYMORPHIC MICROSATELLITES HUMACTBP2, D11S554 AND HUMAPOA1
P. Hoff-Olsen, S. Jacobsen, M. Stenersen, G.I. Meling, B. Olaisen
- EP 10 A NEW " .3" TYPE VARIANT ALLELE IN THE STR LOCUS HUMTHO1. ALLELE 6.3 FOUND IN A HUNGARIAN CAUCASIAN INDIVIDUAL
Z. Kozma, A. Nagai, M. Yamada, J. Sétáló, A. Nishimura, I. Ohya, I. Bajnóczky, K. Nishi

- EP 11 MOLECULAR ANALYSIS OF A MUTATION GENERATED AT THE HUMHPRTB (AGAT)_n LOCUS
G. Mertens, M. Gielis, N. Mommers, H. Heylen, J. Lamartine, S. Radawiec, L. Muylle, A. Vandenberghe
- EP 12 SCREENING CYSTIC FIBROSIS DELETION ΔF508 IN TWO ANCIENT BASQUE POPULATIONS
L. Prieto, E. Arroyo-Pardo, J. Garcia-Bour, A. Pérez Pérez, I. Arenal, E. García Poveda, J.M. Ruiz de la Cuesta, D. Turbón
- EP 13 THE STR-MARKER D8S347: SEQUENCING DATA, SEPARATION WITH DIFFERENT DYE-COLOURS, ALLELE FREQUENCIES
R. Pöhl, C. Luckenbach, H. Ritter
- EP 14 THE STR MARKER FGA: SEQUENCING DATA, ALLELE FREQUENCIES
R. Pöhl, C. Luckenbach, H. Ritter
- EP 15 SEQUENCING DATA OF THE MITOCHONDRIAL DNA CONTROL REGION FROM MOTHER AND CHILD SAMPLES
J. Hühne, H. Pfeiffer, S. Rand, B. Brinkmann
- EP 16 DNA MUTATIONS IN D-LOOP OF SIDS VICTIMS
S.H. Opedal, AA. Vege, A.K. Stave, T. Egeland, T.O. Rognum
- EP 17 SEVERAL STR MARKERS AND THEIR GENETIC INSTABILITIES IN SOME RELATED DISEASES
M. Sasaki, M. Ishikawa, S. Fujimoto, H. Shiono
- EP 18 POPULATION AND FAMILY STUDIES OF THE SEQUENCE POLYMORPHISM AT LOCUS D8S639 REVEALS COMPLEX REPEAT PATTERNS
C. Seidl, O. Jäger, E. Seifried
- EP 19 STR ALLELE SIZE VARIATION DUE TO DYE LABELLING STRATEGIES
M. Carvalho, L. Souto, M.J. Anjos, D.N. Vieira, M.C. Vide
- EP 20 ANALYSIS OF BAND SHIFT IN THE TYPING OF THREE BASE-PAIR REPEAT ALLELES IN THE SHORT TANDEM REPEAT LOCUS D12S391
C.P. Phillips, J. Hasskamp, D. Syndercombe Court
- EP 21 DNA-SEQUENCING OF AN ALLELIC LADDER COMPRISING AAAG REPEATS
H. Malmgren, A. Langö, G. Holmlund, L. Engdahl, S. Nordlöf, B. Lindblom
- EP 22 REGIONAL ASSIGNMENT OF THE ACTBP2 LOCUS TO THE LONG ARM OF CHROMOSOME 5, AND CONFIRMATION OF D5S110 TO THE SHORT ARM OF CHROMOSOME 5
M. Stenersen, T. Gedde-Dahl jr., C.B. van der Hagen, P.A. Andresen, B. Olaisen
- EP 23 FORENSIC CASEWORK EXPERIENCE WITH AmpFISTR PROFILER™
M. Richard, P. Newall, W. Murray

SESSION F: MITOCHONDRIAL AND Y CHROMOSOME

Chairperson: Angel Carracedo

Lecture:

- 14.30 The Y Chromosome: Forensic Analysis and Evolutionary Aspects
L. Roewer

Oral Communications:

- 15.15 REPEAT STRUCTURE OF THE Y-CHROMOSOMAL STR LOCUS DYS385 AND FREQUENCY STUDIES IN THE GERMAN, CHINESE, AND THAI POPULATIONS
P.M. Schneider, S. Meuser, W. Waiyawuth, C. Rittner
- 15.27 POPULATION GENETIC STUDY OF NINE Y-CHROMOSOME SPECIFIC STR-LOCI IN DUTCH CAUCASIANS
A.D. Kloosterman, M. Pouwles, H.J.T. Janssen, P. Daselaar

FRIDAY 5 SEPTEMBER

- 15.39 CHROMOSOME Y ANALYSIS IN PATERNITY TESTING: EXPERIENCES AND RECOMMENDATIONS
M. Kayser, C. Krüger, M. Nagy, G. Geserick, P. de Knijff, L. Roewer
- 15.51 CHECKING OF LARGE FEMALE LINEAGE PEDIGREES FOR MITOCHONDRIAL D-LOOP MUTATIONS
R. Szibor, M. Michael, I. Plate, E. Kirches, D. Krause
- 16.03 mtDNA ANALYSIS OF THE GALICIAN POPULATION: CORRELATION OF HISTORICAL AND GENETIC DATA
A. Salas, M.V. Lareu, A. Vega, M.S. Rodriguez-Calvo, F. Barros, A. Carracedo

Posters: 16.15-18.00

- FP 1 MITOCHONDRIAL DNA TYPING OF THE HYPERVARIABLE REGIONS I AND II (HVRI AND HVRII) IN A WESTERN GERMAN POPULATION (RHINE AREA)
A. Baasner, A. Junge, B. Madea
- FP 2 HVRII MT DNA POLYMORPHISM ANALYSIS IN ITALIANS
I. Boschi, C. Capelli, D. Hall, E. d'Aloja
- FP 3 ANALYSIS OF MITOCHONDRIAL DNA: EXPERIENCE WITH A FAMILY
M. Crespillo, J.A. Luque, R. Fernández, E. Ramirez, J.L. Valverde
- FP 4 COMPARATIVE INVESTIGATION OF THE STR POLYMORPHISM AT LOCUS D12S391 IN AN AUSTRIAN POPULATION SAMPLE: ADDITIONAL SEQUENCE DATA AND ALLELE DISTRIBUTION
B. Glock, E.M. Dauber, D.W.M. Schwartz, W.R. Mayr
- FP 5 Y-CHROMOSOMAL STR SYSTEMS: APPLICATION OF A TRIPLEX-PCR IN FORENSIC STAIN ANALYSIS
M. Hidding, M. Staak, C. Schmitt
- FP 6 POPULATION STUDIES OF THE Y-CHROMOSOME SPECIFIC POLYMORPHISMS DYS19, DYS389 I + II AND DYS390 IN A WESTERN GERMAN POPULATION (RHINE AREA)
A. Junge, B. Madea
- FP 7 POPULATION GENETICS OF THE TWO Y-STRs DYS 19 AND DYS 390 IN WEST SAXONIA (GERMANY)
R. Lessig, J. Edelmann
- FP 8 NORTH ITALIAN POPULATION GENETIC DATA FOR THE Y STR SYSTEMS DYS19, DYS390, DYS392 AND THEIR POSSIBLE APPLICATION TO FORENSIC ROUTINE CASEWORK
F. Ghio, F. Betti, A. Piccinini
- FP 9 STUDIES ON 7 AUTOSOMAL AND 5 Y-CHROMOSOMAL STR LOCI IN A SOUTH-WEST GERMAN POPULATION
S. Degenhart, K. Leim, S. Clerici, W. Reichert, R. Mattern
- FP 10 ANALYSIS OF THE Y-CHROMOSOME: THE Y-27H39 POLYMORPHISM IN A SAMPLE OF TUSCANY (CENTRAL ITALY)
U. Ricci, F. Vieri, B. Scarselli, P. Knüsel, M.L. Giovannucci Uzielli
- FP 11 POPULATION GENETICS OF THE Y-CHROMOSOMAL ALU REPEAT INSERTION POLYMORPHISM DYS287 (YAP)
L. Zhang, W. Waiyawuth, C. Rittner, P.M. Schneider
- FP 12 POPULATION DATABASES OF DYS19 AND DYS385 IN 150 NORWEGIANS
B.M. Dupuy, A. Gjesti, B. Olaisen
- FP 13 METHAMPHETAMINE AND DNA TOPOLOGY
T. Sawaguchi, A. Sawaguchi

PANEL DISCUSSION: QUALITY, EFFICIENCY, SAFETY, COMMERCIALISM - IS THERE A CONFLICT?

09.00-10.30 Chairperson: Bjørnar Olaisen

Panel: Bernd Brinkmann, Bruce Budowle, Paul Debenham, Niels Morling, Lawrence Presley, Jim Schumm

SESSION G: DNA INTELLIGENCE DATABASES, FORENSIC STATISTICS, QUALITY SYSTEMS

Chairperson: Vincenzo L. Pascali

Posters: 10.30-12.00

- GP 1 TOWARDS THE ESTABLISHMENT OF A FRATERNITY INDEX IN FORENSIC IDENTIFICATION CASES
I.C. Flores, M.I. Andres, V. Prieto, P. Sanz
- GP 2 CREATION OF A PCR-BASED POLYMORPHISMS DATABANK OF MEDICO-LEGAL INTEREST
E. Arroyo-Pardo, M.A. Ocaña, M. Arroyo, J.M. Ruiz de la Cuesta
- GP 3 MIXED STAIN CALCULATOR
C.H. Brenner
- GP 4 A STATISTICAL ANALYSIS BY MEANS LINEAR MODEL ON ITALIAN STRs POPULATION DATA
N. Cerri, A. Decarli, F. Zorzi, F. de Ferrari
- GP 5 IMPROVING EFFICIENCY AND RELIABILITY BY MEANS OF A COMBINED LABORATORY/OFFICE MANAGEMENT SYSTEM
L. Henke, H. Ossadnik, G. Conradt, J. Conradt, J. Henke
- GP 6 SCREENING FOR SERIAL RAPE CASES AMONG UNSOLVED CRIMES IN SWEDEN
K. Hjelm, A. Beckman, A. Jangblad
- GP 7 THE DISTRIBUTION OF SE33 (ACTBP2) ALLELES IN A NORTH-RHINE WESTPHALIAN POPULATION SAMPLE AND THE DILEMMA OF APPROPRIATE SAMPLE SIZE
G. Molsberger, S. West, W. Huckenbeck, H.-G. Scheil, K. Kuntze, G. Bläss
- GP 8 POLYMORPHIC ALU INSERTIONS AND POPULATION GENETIC HETEROGENITY
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Oral Communications:

- 12.00 NEW DEVELOPMENTS IN THE UK NATIONAL DNA DATABASE - IMPLICATIONS FOR THE LABORATORY AND THE CRIMINAL JUSTICE SYSTEM
P. Gill, R. Sparkes, R. Frazier, S. Watson, A. Urquhart
- 12.12 NATIONAL CASEWORK AND NATIONAL DNA DATA BASE: THE ROYAL CANADIAN MOUNTED POLICE PERSPECTIVE
C.J. Frégeau, K.L. Bowen, J.H. Bowen, B.D. Gaudette, R.M. Fourney
- 12.24 PCR SYSTEMS USED BY LABORATORIES PARTICIPATING IN THE AABB/CAP PARENTAGE TESTING PROGRAM
C.R. Harrison, R.W. Allen, A.J. Eisenberg, H.F. Polesky, R.K. Roby, R.H. Walker
- 12.36 SCORING SYSTEMS FOR DNA TEST RESULTS FROM A PARENTAGE TESTING PROFICIENCY PROGRAM
H.F. Polesky, R.W. Allen, A.J. Eisenberg, C.R. Harrison, R.K. Roby, R.H. Walker
- 12.48 THE EVOLUTION AND IMPACT OF THE UNITED STATES DNA ADVISORY BOARD FORENSIC DNA TESTING STANDARDS
L.A. Presley