
14TH CONGRESS
INTERNATIONAL SOCIETY
FOR FORENSIC HAEMOGENETICS

September 18 - 21, 1991

Mainz, Federal Republic of Germany

- Kurfürstliches Schloß Mainz -



FINAL PROGRAM

WELCOME TO MAINZ

As the president of the 14th Congress of the International Society for Forensic Haemogenetics I would like to express my warm welcome to all participants from all over the world. Blood group serologists, biologists, geneticists, and forensic experts as well as representatives of the firms of the trade exhibition meet here, at the 'cradle' of our Society in Mainz, a city with a flair of its own at the banks of the River Rhine, with its charming people and pleasant small restaurants with "Weck, Worscht un' Woi" in the old city quarters near the Kurfürstliches Schloß, the electoral palace. In the coming days, this historic palace will be accommodating all of us during the scientific meetings and for chats "entre nous" in small groups of our ISFH 'family'. It is this family that has grown from a small group of blood group experts in 1968, to a multi-national membership of scientists from more than 25 countries. Now it is reaching the young age of 23, thanks to our parent founding members.

I wish all participants a great success in the course of the scientific presentations as well as the accompanying social events. We, the organizers, hope that you would have a comfortable and stimulating stay in Mainz, the city with an ancient Roman history, the city of Gutenberg and the capital of Rheinland-Pfalz.

*Christian Rittner, MD
President of the 14th Congress*

Invited Speakers

Bruce Budowle, *Quantico, VA, USA*

C. Thomas Caskey, *Houston, TX, USA*

Rolf Fimmers, *Bonn, Germany*

Alec J. Jeffreys, *Leicester, UK*

Steve Rand, *Münster, Germany*

Scientific Committee

Bernd Brinkmann, *Münster, Germany*

René Bütler, *Bern, Switzerland*

Patrick J. Lincoln, *London, UK*

Wolfgang R. Mayr, *Aachen, Germany*

Christian Rittner, *Mainz, Germany*

Umberto Rossi, *Milano, Italy*

Congress President

Christian Rittner, *Mainz, Germany*

Congress Secretary

Peter M. Schneider, *Mainz, Germany*

Program Outline

Wednesday, September 18, 1991

15.00 - 21.00 Registration Office
19.00 - 21.00 *Get-Together Party*

Thursday, September 19, 1991

8.00 - 8.30 Poster Assembling A
8.30 - 9.30 **Opening of the Congress**
9.30 - 12.30 **Scientific Session A** (PCR Systems)
12.30 - 13.30 *Lunch*
13.30 - 14.00 Poster Presentation I
14.00 - 16.00 **Scientific Session B** (Biostatistics)
16.00 - 17.00 **Poster Discussion I**
17.00 - 18.30 ISFH Working Parties
19.30 - 23.00 *Rhine River Cruise with Dinner*

Friday, September 20, 1991

8.00 - 9.00 Poster Assembling II
9.00 - 12.30 **Scientific Session C** (DNA Systems)
12.30 - 13.30 *Lunch*
13.30 - 14.00 Poster Presentation II
14.00 - 14.30 ISFH Award Lecture
14.30 - 15.00 Invited Presentation
15.00 - 16.00 **Scientific Session D** (Conventional Systems)
16.00 - 17.00 **Poster Discussion II**
17.00 - 19.00 General Assembly of ISFH
20.00 - 23.00 *Formal Dinner*

Saturday, September 21, 1991

9.00 - 10.30 **Biostatistics Workshop**
11.00 - 13.00 **Scientific Session E** (Blood Typing Miniaturization)
13.00 **End of Congress**
15.00 - 17.00 European DNA Profiling Working Group

Wednesday, September 18, 1991

15.00 - 21.00 Registration Office

19.00 - 21.00 **Social Event:**
Get-Together Party and Opening of the Commercial Exhibition
(Entrance hall)

Thursday, September 19, 1991

8.00 - 18.00 Registration Office

8.00 - 8.30 Poster Assembling Session I

8.30 - 9.30 **Opening of the Congress**

Opening Addresses:

C. Rittner (Congress President)

H. Weyel (Mayor of the City of Mainz)

P. Caesar (Minister of Justice of the State Rheinland-Pfalz)

B. Brinkmann (President of the ISFH)

9.30 - 12.30

Scientific Session A

"PCR Systems"

Chairpersons: G. Sensabaugh, B. Brinkmann

9.30 - 9.50

Invited Presentation:

B. Budowle, Quantico:

APPLICATION CONSIDERATIONS REGARDING AMP-FLP
GENETIC MARKERS FOR IDENTITY TESTING PURPOSES.

9.50

Short Presentations:

A 12 *Sullivan KM, Pope S, Gill P.*

AUTOMATION OF DNA PROFILING BY FLUORESCENT
LABELLING OF PCR PRODUCTS.

A 13 *Sullivan KM, Hopgood R, Gill P.*

AUTOMATION OF THE AMPLIFICATION AND SEQUENCING
OF HUMAN MITOCHONDRIAL DNA.

A 11 *Reynolds R, Saiki R, Scharf S, Fildes N, McClure G, Erlich H.*

THE DEVELOPMENT AND EVALUATION OF NEW GENETIC
MARKERS FOR THE APPLICATION OF PCR TO FORENSIC
CASEWORK.

10.30 - 11.00

Coffee Break

11.00

(Session A continued)

A 14 *Berg ES, Olaisen B.*

PCR TYPING INCLUDING HIGH RESOLUTION GEL
ELECTROPHORESIS REVEALS NEW ALLELES IN THE
COL2A1 VNTR.

A 8 *Ludes B, Tortel MC, Mangin P.*

USE OF PCR FOR FORENSIC ANALYSIS OF DNA FROM
FORMALDEHYDE FIXED AND PARAFFIN EMBEDDED
HUMAN TISSUE.

A 7 *Robertson J, Schäfer Th, Kronick M.*

AUTOMATED ANALYSIS OF FLUORESCENT AMPLIFIED
FRAGMENT LENGTH POLYMORPHISMS FOR DNA TYPING.

- A 5 *D'Aloja E, Dobosz M, Pescarmona M, Moschetti A, Pascali VL.*
GENE FREQUENCIES OF APO B ALLELES IN A SAMPLE OF
RANDOM ITALIAN INDIVIDUALS (CENTRAL AND
SOUTHERN ITALY).
- A 4 *Barros F, Vide M.C, Carracedo A, Lareu M.V.*
SDS-PAGE TYPING OF HLA-DQA1 AND PMCT 118 AFTER
PCR AMPLIFICATION.
- A 3 *Wiegand P, Rand S, Brinkmann B.*
INVESTIGATIONS ON THE FORENSIC APPLICATION OF 4
AMP-FLP SYSTEMS.
- A 1 *Perlee L, Balazs I.*
VALIDATION OF THE USE DNA AMPLIFICATION FOR THE
ANALYSIS OF FORENSIC SAMPLES BY COMPARISON
WITH TESTS USING NON-AMPLIFIED DNA
POLYMORPHISMS.

12.30 - 13.30

Lunch

13.30 - 14.00 **Poster Presentation I**

14.00 - 16.00 **Scientific Session B**

"Biostatistics and Data Bases"

Chairpersons: M.P. Baur, I.W. Evett

14.00 - 14.30 **Invited Presentation:**

B 5 *R. Fimmers, Bonn:*

COMPARISON OF DIFFERENT METHODS FOR THE
CALCULATION OF INDICES FOR PATERNITY.

14.30

Short Presentations:

B 9 *Walker RH, Eisenbrey AB.*

THE RELATIONSHIP OF THE HLA PHENOTYPE
FREQUENCY OF THE ALLEGED FATHER TO THE
RESULTING PATERNITY INDEX IN CAUCASIAN NON-
EXCLUSION PATERNITY CASES.

B 3 *Debenham P.G.*

THE EFFICIENCY OF DNA FINGERPRINTS FOR
INDIVIDUALISATION AND DETERMINATION OF
PATERNITY.

B 8 *Schneider PM, Fimmers R, Bertrams J, Bulnheim U, Feuerbach
U, Henke L, Iten E, Osterhaus E, Prinz M, Simeoni E, Rittner C.*

BIOSTATISTICAL ANALYSIS OF MULTILOCUS PROFILES:
RESULTS OF A COLLABORATIVE STUDY WITH THE DNA
PROBE MZ 1.3.

B 6 *Fimmers R, Henke L, Henke J, Baur MP.*

HOW TO DEAL WITH MUTATIONS IN DNA TYPING.

B 1 *Allard JE.*

SERIAL SEXUAL CRIMES IDENTIFIED BY A DNA
COMPUTERISED DATABASE.

B 7 *Greenhalgh MJ, Allard JE.*

CASEWORK EXPERIENCES WITH A COMPUTER-
SEARCHABLE DATABASE OF DNA PROFILES.

16.00 - 17.00 **Poster Discussion I (DNA)**

Chairperson: J. Morris

17.00 - 18.30 ISFH Working Parties

(Rooms to be announced at the registration desk.)

19.30 - 23.00 **Social Event:**

Rhine River Cruise with Dinner

Friday, September 20, 1991

8.00 - 18.00 Registration Office

8.00 - 9.00 Poster Assembling II

9.00 - 12.30 **Scientific Session C**
"DNA (RFLP and VNTR) Systems"
Chairpersons: A.J. Jeffreys, C. Rittner

9.00 - 9.30 **Invited Presentation:**
A.J. Jeffreys, Leicester:
DIGITAL DNA PROFILES: A NEW APPROACH TO DNA
TYPING.

9.30 *Short Presentations:*

C 1 *Bär W, Kratzer A.*

PATERNITY INVESTIGATIONS BASED ON DNA-ANALYSIS
ONLY.

C 15 *Mauff G, Pulverer G, Mühlenbrock E, Kochhahn L, Klein A, Volz
K, Bräutigam A.*

COMPARISON OF MINISATELLITE DNA PROBES AND
BLOOD GROUP, PROTEIN, AND ENZYME MARKERS IN
PATERNITY CASES.

C 16 *Morling N, Hansen HE.*

MATCHING CRITERIA FOR PATERNITY TESTING WITH
VNTR SYSTEMS.

C 19 *Prinz M, Loch C, Staak M.*

CHEMILUMINESCENT DETECTION OF SINGLE LOCUS AND
MULTILOCUS HYBRIDIZATION PATTERNS.

C 21 *Webb MBT, Pearston DH, Fletcher NV, Sutton MD, Debenham
PG.*

THE USE OF NICE PROBES IN FORENSIC CASEWORK.

10.30 - 11.00 *Coffee Break*

11.00

(Session C continued)

C 8 *Gill P, Woodroffe S, Bär W, Brinkmann B, Carracedo A, Eriksen B, Jones S, Kloosterman AD, Ludes B, Mevag B, Pascali VL, Schmitter H, Schneider PM, Thomson JA.*

ACHIEVEMENT OF INTERLABORATORY UNIFORMITY - A SUMMARY OF WORK CARRIED OUT BY THE EDNAP GROUP.

C 10 *Greenhalgh MJ.*

THE EFFECTS OF USING DIFFERENT MOLECULAR WEIGHT MARKERS IN DNA PROFILING.

C 11 *Guo B.L, Prinz M, Staak M.*

THE RELATIONSHIPS BETWEEN THE VOLTAGE GRADIENTS AND THE MOBILITIES OF THE DNA FRAGMENTS DURING THE ELECTROPHORESIS.

C 17 *Muche M, Martin W.*

COMPUTER-AIDED FRAGMENT SIZE DETERMINATION OF SINGLE-LOCUS DNA PROBES.

C 7 *Ehtesham N.Z, Hasnain S.E.*

A MULTILOCUS PROBE FOR FINGERPRINTING BASED ON CHI-LIKE SEQUENCES.

C 9 *Kimpton CP, Watson SK, Hopgood R, Gill P, Sullivan K.*

CLONING AND CHARACTERISATION OF NOVEL SINGLE LOCUS PROBES FOR FORENSIC PURPOSES.

C 2 *Neuweiler J, Venturini J, Balazs I.*

THE USE OF A CHEMILUMINESCENT DETECTION SYSTEM FOR PATERNITY AND FORENSIC TESTING: VERIFICATION OF THE RELIABILITY OF THE OLIGONUCLEOTIDE-PROBES USED FOR GENETIC ANALYSIS.

C 23 *Burridge FJ, Greenhalgh MJ, Willott GM.*

AN EVALUATION OF SINGLE LOCUS PROBES IN CASEWORK.

12.30 - 13.30

Lunch

13.30 - 14.00 **Poster Presentation II**

14.00 - 14.30 **Scientific Award Lecture**

Award of the International Society of Forensic Haemogenetics

14.30 - 15.00 **Invited Presentation**

C.T. Caskey, Houston:

FORENSIC USE OF SHORT TANDEM REPEATS VIA PCR.

15.00 - 16.00 **Scientific Session D**

"Conventional Systems"

Chairpersons: W.R. Mayr, S. Weidinger

15.00

Short Presentations:

D 1 *Dissing J.*

GENETIC AND MOLECULAR ASPECTS OF THE HUMAN RED CELL ACID PHOSPHATASE POLYMORPHISM.

D 3 *Mastana SS, Ray V, Bhattacharya SS, Papiha SS.*

ISOELECTRIC FOCUSSING STUDY ON SERUM PROTEINS (GC, TF, PI AND ORM) IN FOUR CASTE GROUPS OF MAHARASTRA, WESTERN INDIA: APPLICATION IN PATERNITY TESTING.

D 4 *Pontes ML, Pinheiro MF, Gomes AC.*

PGM1 SYSTEM: A RARE ALLELE AND AN INTRAGENIC RECOMBINATION IN TWO CASES OF DISPUTED PATERNITY.

D 7 *Weidinger S, Faber JP, Bäcker U, Schwarzfischer F, Olek K.*

A DE NOVO MUTATION IN THE ALPHA₁-ANTITRYPSIN GENE DETECTED IN A CASE OF DISPUTED PATERNITY BY DNA SEQUENCE ANALYSIS.

16.00 - 17.00 **Poster Discussion II** (Protein Systems)
Chairman: P.J. Lincoln

17.00 - 19.00 **General Assembly of ISFH**

20.00 - 23.00 **Social Event:**
Formal Dinner at the "Kurfürstliches Schloss"

Saturday, September 21, 1991

8.00 - 13.00 Registration Office

9.00 - 10.30 **Biostatistics Workshop with Panel Discussion**
"DNA profiling and data bases"
Chairperson: J. Morris

9.00 - 9.20 B 2 *Brenner CH.*
MECHANIZED MULTI-LOCUS ANALYSIS.

9.20 - 9.40 B 4 *Evetts IW.*
TESTING THE POWER OF DNA STATISTICAL
PROCEDURES.

9.40 - 10.30 Expert Panel Discussion

10.30 - 11.00 *Coffee Break*

11.00 - 13.00

Scientific Session E

"Miniaturization of Blood Typing and Blotting Techniques"

Chairpersons: H.H. Sonneborn, U. Rossi

11.00 - 11.30

Invited Presentation:

E 8 *S. Rand, Münster:*

BLOTTING TECHNIQUES FOR THE DETECTION OF PROTEIN POLYMORPHISMS IN STAINS.

11.30

Short Presentations:

E 1 *Correns A, Patzelt D, Otremba P, Schröder H, Geserick G.*

HAPTOGLOBIN SUBTYPING BY POLYACRYLAMIDE GEL ISOELECTRIC FOCUSING OF SERUM, HEMOLYZED BLOOD AND BLOODSTAINS.

E 2 *Furukawa K, Nakajima T, Matsuki T, Kubo K.*

DETECTION OF BLOOD GROUP H ANTIGENS OF RED CELLS, BLOOD AND SALIVA STAINS, AND HAIRS BY ANTI-H REAGENTS.

E 3 *Geserick G, Schröder H, Correns A, Otremba P, Waltz H.*

NEWER INVESTIGATIONS OF PROTEIN SYSTEMS BY ISOELECTRIC FOCUSING: METHODS, DISTRIBUTION, FORENSIC APPLICATION.

E 4 *Rao DV, Kashyap VK.*

DOT BLOT IMMUNOASSAY FOR DETECTION OF HLA ANTIGENS IN FORENSIC STAINS.

E 5 *Mayr D, Mayr WR.*

THE USE OF MICROTITER TECHNIQUES FOR THE DETERMINATION OF RED BLOOD CELL PHENOTYPES IN PATERNITY TESTING.

E 6 *Obst J.*

DU DETECTION BY AN AUTOMATED DIRECT AGGLUTINATION METHOD THAT EQUALS DETECTION BY INDIRECT ANTIGLOBULIN TEST.

E 7 *Pawlowski R, Brinkmann B.*

EVALUTION OF SPERM SPECIFIC LACTATE DEHYDROGENASE ISOZYME C4/LBH C4. APPLICATION TO SEMEN DETECTION IN STAINS.

13.00 **End of Congress**

15.00 - 17.00 **European Working Group:**

European DNA Profiling Group (EDNAP) - Towards European
standardization and quality control in DNA profiling

Chairpersons: P.D. Martin, B. Brinkmann

(Room to be announced at the registration office)

Poster Session I
(Thursday, September 19, 1991)

- A 6 *Gené M, Huguet E, Carracedo A, Mezquita J.*
STUDY OF THE HLA DQ α POLYMORPHISM IN THE POPULATION OF CATALONIA, SPAIN.
- A 10 *Skowasch K, Schürenkamp M, Rand S.*
COMPARISON OF POPULATION DATA USING 3 AMP-FLP SYSTEMS.
- A 15 *Li Boling, Ding Yan, Ni Jintang, Chen Song, Hu Lan, Ye Jain.*
STUDY OF AMPLIFIED FRAGMENT LENGTH POLYMORPHISM PMCT 118 LOCUS IN CHINESE AND APPLICATION IN FORENSIC BIOLOGY.
- A 18 *Ichinose A, Ota M, Inoko H, Sato K, Tanaka K, Kiyono S, Fukushima H.*
HLA-DQA1 AND HLA-DPB1 GENE POLYMORPHISMS IN THE JAPANESE POPULATIONS.
- A 19 *Ni Jintang, Ding Yan, Chen Song, Hu Lan, Li Boling, Ye Jian.*
STUDY OF AMPLIFIED FRAGMENT LENGTH POLYMORPHISM APO B LOCUS IN CHINESE AND APPLICATION IN FORENSIC BIOLOGY.
- A 21 *Ota M, Inoko H, Seki T, Ichinose A, Tsuji K, Fukushima H.*
APPLICATION OF HLA-CLASS II GENOTYPING BY THE MODIFIED PCR-RFLP METHOD TO THE FORENSIC SCIENCE.
- A 22 *Pelotti S, Mantovani V, Angelini G, Ferrara GB, Barboni F, Pappalardo G.*
SIMULTANEOUS DNA ANALYSIS OF HLA-DPB AND -DQB LOCI FROM SINGLE HAIR: A CRIMINAL CASE REPORT.
- A 23 *Pötsch L, Penzes L, Prager-Eberle M, Schneider PM, Rittner C.*
SEX DETERMINATION BY GENOMIC DOT BLOT HYBRIDIZATION AND HLA-DQ α TYPING BY PCR FROM FIXED TISSUES.
- A 26 *Schnee J, Aab S.*
POLYMERASE CHAIN REACTION: TYPING OF DNA ISOLATED FROM VARIOUS FORMS OF BIOLOGICAL EVIDENCE.
- A 27 *Tagliabracci A, Giorgetti R, Agostini A, Cingolani M, Ferrara SD.*
ANALYSIS OF PMCT 118 LOCUS POLYMORPHISM IN AN ITALIAN POPULATION SAMPLE BY THE POLYMERASE CHAIN REACTION.

- C 3 *Balazs I, Neuweiler J, Williams R.C, Lantz C.*
ANALYSIS OF AUSTRALIAN, BLACK, CAUCASIAN, CHINESE AND
AMERINDIAN POPULATIONS WITH HYPERVARIABLE DNA LOCI.
- C 4 *Basler M, Sprecher W, Rink M.*
THE APPLICATION OF DNA-POLYMORPHISMS IN PATERNITY
TESTING.
- C 5 *Cabrero C, Valverde E, Diez A, Carracedo A, Borrás T.*
ALLELE FREQUENCY IN THE POPULATION OF SPAIN USING
SEVERAL SINGLE LOCUS PROBES.
- C 6 *Dobosz T, Koziol P, Sawicki K, Szczepaniak M, Szymaniec S, Vogt C.*
DNA FINGERPRINTS OF FAMILIES FROM BEJSCE/SOUTH-EAST
POLAND.
- C 12 *Hansen HE, Morling N.*
PATERNITY TESTING WITH FIVE VNTR SYSTEMS IN DANES.
- C 13 *Henke L, van Eede PH, Henke J, de Lange GG.*
SIZE CALCULATIONS OF RESTRICTION FRAGMENTS: COMPARISON
BETWEEN TWO LABORATORIES.
- C 14 *Martin W, Hoppe H, Muche M.*
COMPARISON OF POPULATION GENETICS OF THE SINGLE LOCUS
PROBES PS194 AND PL427-4.
- C 18 *Pascali VL, Dobosz M, Pescarmona M, D'Aloja E, Fiori A.*
ALLELE FREQUENCY DISTRIBUTION OF TWO VNTR
POLYMORPHISMS (YNH24-D2S44, ALPHA GLOBIN 3'HVR-D16) IN
ITALY.
- C 20 *Rothämel T, Krüger HJ, Keil W, Tröger HD.*
DNA PROFILING WITH PHINS310, PMUC7, PMR24/1, PYNH24 AND
PMS43 FOR PARENTAGE TESTING.
- C 22 *Buffery C, Greenhalgh MJ, Jones S, Willott GM.*
FREQUENCY DATABASES FOR THE DNA PROBES MS1, MS31,
MS43A AND YNH24 DERIVED FROM CAUCASIANS AND
AFROCARIBBEANS IN THE LONDON AREA.
- C 24 *Carlson D, Gaskill M, Eisenberg A, Klevan L.*
USE OF AN OLIGONUCLEOTIDE PROBE FOR DISTINGUISHING
HUMAN MALE DNA FROM FEMALE DNA.

- C 25 *Reavis S, Schlaphoff T, Martell R, Du Toit E.*
ACCURACY AND PRECISION IN THE ANALYSIS OF VNTR DNA
POLYMORPHISMS FOR PATERNITY TESTING.
- C 26 *Hammer U, Bulnheim U, Wegener R.*
ON DNA TYPING OF HARD TISSUES.
- C 27 *Hoste B, Mathy MR.*
SINGLE LOCUS DNA POLYMORPHISMS IN THE BELGIAN
POPULATION AND IN PATERNITY CASES.
- C 28 *Huckenbeck W, Müller H.*
USE OF THE MINISATELLITE PROBE MZ 1.3 FOR IDENTIFICATION
AND RELATION OF DISMEMBERED CORPSES.
- C 29 *Rao GV, Kashyap VK.*
RFLP IN CONJUNCTION WITH ANATOMICAL TRAITS IN
INDIVIDUALISATION OF BONE.
- C 30 *Kishida T, Fukuda M, Tamaki Y.*
APPLICATION OF DNA FINGERPRINTING TO PROBLEMATICAL
PATERNITY CASES.
- C 31 *Thomson J.A, Lincoln P.J, Phillips C.P, Syndercombe Court D, Watts P.H.*
APPLICATION OF CONVENTIONAL POLYMORPHISMS AND SINGLE
LOCUS DNA PROBES IN CASES OF DISPUTED PATERNITY.
- C 32 *Alonso S, Castro A, Arizti P, Garcia-Orad A, Tamayo G, Martinez de
Pancorbo M.*
BIOLOGICAL PATERNITY TESTING: COMPARISON BETWEEN DNA
FINGERPRINTING AND USUAL GENETIC MARKERS.
- C 33 *Alonso S, Castro A, Garcia-Orad A, Arizti P, Tamayo G, Martinez de
Pancorbo M.*
DNA FINGERPRINTING IN RESIDENT POPULATION FROM THE
BASQUE COUNTRY.
- C 34 *Müller H, Huckenbeck W, Prinz M.*
CASUISTIC: THE USE OF DNA-FINGERPRINTING IN CASES OF
AFFILIATION WITHOUT THE MOTHER.
- C 35 *Pflug W.*
RESULTS OF DNA ANALYSIS FROM SIX FORENSIC SCIENCE
LABORATORIES IN GERMANY.

- C 36 *Pflug W, Bäßler G, Mai G, Keller U, Aab S, Eberspächer B.*
ALLELE FREQUENCIES FOR FIVE DIFFERENT SINGLE LOCUS
PROBES IN A POPULATION OF SOUTH-WEST GERMANY.
- C 37 *Pflug W, Eberspächer B, Aab S, Schnee J.*
- C 38 *Ranieri D, Spinetti I, Nardone M, Pistello M, Ceccherini-Nelli L.*
DISTRIBUTION OF VARIABLE NUMBER OF TANDEM REPEAT (VNTR)
DNA POLYMORPHISM AT D2S44 LOCUS IN TUSCANY (ITALY).
- C 39 *Robertson J, Schäfer T, Kronick M.*
OPTIMAL SIZE-CALLING METHODS FOR ELECTROPHORETIC
ANALYSIS UTILIZING INTERNAL SIZE STANDARDS.
- C 40 *Scheithauer R, Weisser HJ.*
EXTRACTION OF DNA FROM COAGULATED BLOOD SAMPLES.
- C 41 *Brüggemann B, Teixidor D, Kilp M, Seidl S.*
EXPERIENCES WITH SIX SINGLE LOCUS PROBES IN PATERNITY
TESTING.
- C 42 *Suzuki K, Ito S, Miyazaki T, Matsumoto H, Mizoi Y.*
COMPARATIVE STUDY ON DETERMINING PATERNITY BY USING
CONVENTIONAL AND HYPERVARIABLE DNA MARKERS.
- C 43 *Thomson J.A, Fedor T, Gouldstone M, Lincoln P.J, Phillips C.P,
Syndercombe Court D, Tate V.*
INVESTIGATION OF VARIATION IN BAND SIZE DETERMINATIONS
FOUND WHEN USING SINGLE LOCUS DNA PROBES.
- C 44 *Yamada M, Yamamoto Y, Fukunaga T, Nishi K.*
DETECTION OF DNA POLYMORPHISMS BY USING $\hat{\Lambda}$ SATELLITE
PROBES: APPLICATION TO THE FORENSIC IDENTIFICATION.
- C 45 *Hossaini AA, Odelberg S.*
FAMILY STUDIES USING CONVENTIONAL AND MINISATELLITE DNA
PROBES TO ESTABLISH PATERNITY OF DECEASED ALLEGED
FATHER.
- C 46 *Wilting A, Hintzen U, Völker MO, Bertrams J.*
POPULATION GENETIC STUDIES OF FOUR HYPERVARIABLE DNA
LOCI.

- C 47 *Padeberg D, Hintzen U, Bertrams J.*
MINISATELLITE DNA PROBE MZ 1.3: BAND SHARING RATES AMONG
SIBLINGS AND NUMBER OF INFORMATIVE BANDS AMONG
CHILDREN.
- C 48 *Naktinis V, Pependikyte V, Khvatovitch G, Garmus A.*
DNA FINGERPRINTING IN PATERNITY TESTING IN LITHUANIA.
- C 49 *Mevag B, Jacobsen S, Eriksen B, Olaisen B.* DNA TYPING IN FORENSIC
CASEWORK IN NORWAY. STRATEGIES AND EXPERIENCES.
- C 50 *Ivanov P, Maljutov M.*
DETERMINATION OF INCEST IN FORENSIC CASEWORK USING
MULTILOCUS DNA PROFILING.
- C 51 *Procaccianti P, Carra E, Scalici E, Procaccianti S.*
DNA PROFILING INTO CARBONIZED CORPSE.
- C 52 *Dimo-Simonin N, Brandt-Casadevall C, Gujer HJ.*
OPTIMISATION OF THE DIGOXIGENIN/ CHEMILUMINESCENCE
METHOD FOR THE DETECTION OF VNTR.
- D 31 *Barnes de Calotto E.*
SOCIAL IMPLICATIONS IN IMMUNOGENETICS - PLAZA DE MAYO
GRANDMOTHERS ASSOCIATION.

Poster Session II
(Friday, September 20, 1991)

- A 2 *Puers C, Wiegand P, Brinkmann B.*
INVESTIGATIONS TO IMPROVE ALLELE DEFINITION IN THE
COLLAGEN 2A1 SYSTEM (AMP-FLP).
- A 9 *Norby S, Eriksen B.*
SEX IDENTIFICATION OF FORENSIC SAMPLES USING PCR
ANALYSIS FOR THE PRESENCE OF Y-CHROMOSOME SPECIFIC DNA
SEQUENCES.
- A 16 *Du Toit E, Petersen W, Schlaphoff T, Martell R.*
PARENTAGE TESTING USING DBP IN SOUTH AFRICAN
POPULATIONS.
- A 17 *Fukushima H, Ota M, Sato K, Tanaka K, Ichinose A.*
DNA TYPING FROM FORMALIN-FIXED, PARAFFIN-EMBEDDED
TISSUES.
- A 20 *Lareu M.V, Barros F, Rodríguez-Calvo M.S, Carracedo A.*
THE USEFULNESS OF CHELATING RESINS FOR DNA EXTRACTION
FROM FORENSIC MATERIAL PRIOR TO PCR AMPLIFICATION.
- A 24 *Pötsch L, Penzes L, Prager-Eberle M, Rittner C.*
HLA-DQ α TYPING OF HUMAN FINGERNAILS.
- A 25 *Sajantila A, Ström M, Budowle B, Karhunen PJ, Peltonen L.*
POST-MORTEM IDENTIFICATION OF FIRE VICTIMS USING DNA
AMPLIFICATION.
- A 28 *Tanaka K, Fukushima H, Ota M, Ichinose A, Sato K, Kiyono S.*
SEX DETERMINATION IN BLOODSTAINS AND SINGLE HAIRS.
- A 29 *Teifel-Greding J.*
THE USE OF THE POLYMERASE CHAIN REACTION (PCR) IN
SCREENING FORENSIC SAMPLES.
- A 30 *Roewer L, Arnemann J, Epplen J.*
ANALYSIS OF FORENSIC STAINS VIA PCR AMPLIFICATION OF
POLYMORPHIC SIMPLE REPEATS FROM THE HUMAN Y
CHROMOSOME.

- A 31 *Tsuchida S, Umenishi F, Ikemoto S.*
THE SPECIES IDENTIFICATION BY POLYMERASE CHAIN REACTION
AND DIRECT SEQUENCINGS.
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- D 23 *Härle U, Reichert W, Mattern R, Pfaff G.*
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- D 28 *Yuasa I, Weidinger S, Umetsu K.*
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- E 11 *De la Iglesia M, Martinez M.A, Gremo A.*
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- E 12 *Borrill W, Petersen W, Martell R, Du Toit E.*
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- E 13 *Huckenbeck W, Weidinger S.*
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- E 14 *Kimura A, Uda T, Nakashima S, Osawa M, Ikeda H, Yasuda S, Tsuji T.*
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- E 15 *Kimura A, Osawa M, Ikeda H, Yasuda S, Tsuji T, Rand S, Brinkmann B.*
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- E 16 *Lötterle J, Bolt J.*
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- E 17 *López Abadía I, Gremo A, Ruiz de la Cuesta JM.*
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- E 18 *López Abadía I, Gremo A, Ruiz de la Cuesta JM.*
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- E 19 *Laupy M, Makovec P.*
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- E 20 *Munoz I, Carracedo A, Concheiro L, Pascali VL.*
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General Information

Venue **Kurfürstliches Schloß Mainz** (Electoral Palace)
Peter-Altmeier-Allee
D-6500 Mainz 1

Secretary Dr. Peter M. Schneider
Institut für Rechtsmedizin
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Organization Congress Partner GmbH
Tiefer 2
D-2800 Bremen 1
phone (0421) 320028
fax (0421) 324344

Registration Office

The Registration Office is located in the entrance hall of the Kurfürstliches Schloß.
The phone number during the conference is (*Int.:* +49) (06131) 242131.

Opening hours:	Wednesday, 18.09.	15.00 - 21.00 h
	Thursday, 19.09.	08.00 - 18.00 h
	Friday, 20.09.	08.00 - 18.00 h
	Saturday, 21.09.	09.00 - 13.00 h

Congress Badge

The participants are kindly requested to wear their name badges throughout the congress in order to be admitted to the scientific program.

Congress Language

The official congress language is English.

Lunch and Coffee Breaks

Thursday, 19.09.:

Coffee Break 10.30 - 11.00 h

Lunch 12.30 - 13.30 h

Friday, 20.09.:

Coffee Break 10.30 - 11.00 h

Lunch 12.30 - 13.30 h

Saturday, 21.09.:

Coffee Break 10.30 - 11.00 h

Coffee will be served free of charge only during the coffee breaks. **A quick lunch** will be available during lunch breaks on *Thursday* and *Friday* in the restaurant in the Kurfürstliches Schloß. A selection of standard meals will be offered at a reasonable price.

Scientific presentations

Oral presentations

The speakers are kindly asked to bring their slides to the receiving-office in the foyer of the convention hall at least 30 minutes prior to the beginning of the session. Please check carefully that the slides are inserted correctly into the projector magazines. Do not forget to collect your slides after the end of your session. Overhead projection will also be available.

Poster presentations

The poster presentations take place at two locations at the entrance level of the Schloß. All poster boards carry the numbers of the two posters which will be on display during the two sessions on *Thursday* and *Friday*. The posters have to be mounted in the morning between 8.00 and 9.00 a.m. for each session. Tape for fixing the posters to the boards will be provided. Please remove the posters by the end of the day. The authors are asked to be present at their posters during the official poster demonstration times (13.30 - 14.00 h).

Social Program

*Tickets for all events are still available and can be purchased at the registration office. Details on the different social events (meeting point, departure times etc.) will be displayed on the message board at the registration office. We reserve the right to cancel the *accompanying persons* program on Friday, if the minimum number of participants has not registered.*

Thursday, 19.09.91

Accompanying persons:

morning: **Guided walking tour through the city of Mainz**
(free of charge)

A beautiful sightseeing tour by foot with English speaking guide. You will get acquainted with 2000 years of history, buildings like the Cathedral of Mainz (12th century), the old town, and the St. Stefan's Church with the famous windows created by Marc Chagall.

All participants:

Evening event: **Rhine-River Cruise with Dinner (DM 85,-)**

After a full day of hard congress work, we invite you to join us for a relaxing river cruise on the Rhine on board a luxurious ship of the "Köln-Düsseldorfer" Line. You will see vineyards, gentle hills, illuminated castles and villages. A delicious dinner will be served in an informal setting while being entertained by local folk music.

Friday, 20.09.91

Accompanying persons:

full day: **Visit of the Rheingau vineyards in Eltville - Kiedrich - Rudesheim** (incl. lunch; DM 69,-)

The Rheingau is the most famous wine-growing district in Germany, the origin of the classical Riesling white wines. Eltville is one of the oldest and most beautiful cities in this area. It is not only the wine, which makes it so attractive, but also the historical buildings and the location directly at the banks of the Rhine.

The next station is Kiedrich, which is known for its famous Gothic St. Valentines church, a masterpiece of the 15th century with magnificent wooden, hand-carved chairs and a tradition of ancient Gregorian chorals.

Rudesheim with its romantic narrow streets and pretty frameworked houses is the final highlight of the tour. By visiting the world-famous "Drosselgasse" with wine pubs, local food and music, you will almost forget to return home in time.

All participants:

Evening event: **Formal Congress Dinner** (DM 80,-)

Nearly at the end of the convention, you will have another opportunity to meet, make friends, and forget science for a while in the festive atmosphere of the Kurfürstliches Schloß. An opulent dinner will be served, and popular songs will entertain you.

Acknowledgements

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Deutsche Forschungsgemeinschaft

Land Rheinland-Pfalz

Sponsorships

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Abbott Diagnostika GmbH

BAG Diagnostika, Lich

Biotest AG

Dr. Molter/Ortho Diagnostics Systems GmbH

Perkin-Elmer GmbH

Trade exhibition

The participants of the meeting are cordially invited to visit the trade exhibition of laboratory equipment and reagents at the entrance level of the "Kurfürstliches Schloß". The exhibition will be opened on Wednesday evening, September 18, 1991 at 7 p.m. The exhibition hours are from 9 a.m. to 6 p.m. on Thursday and Friday, and from 9 a.m. to 1 p.m. on Saturday. The following companies will display their products and services:

Akademische Buchhandlung, Mainz

Applied Biosystems GmbH, Weiterstadt

BAG Diagnostika, Lich

Biometra biomedizinische Analytik GmbH, Göttingen

Biotec Fischer GmbH, Reiskirchen

Biotest AG, Dreieich

Boehringer Mannheim GmbH, Mannheim

Cellmark Diagnostics, Abingdon, UK

Deutsche Dynal GmbH, Hamburg

dunn Labortechnik GmbH, Asbach

Eppendorf - Netheler - Hinz GmbH, Hamburg

Fresenius AG, Oberursel

Immucor GmbH, Rödermark

Kühn + Bayer OHG, Nidderau

Life Technologies GmbH, Eggenstein

Millipore GmbH, Eschborn

New England Biolabs GmbH, Schwalbach

Pall Filtrationstechnik GmbH, Dreieich

Perkin-Elmer GmbH, Langen

Serva Feinbiochemika GmbH & Co., Heidelberg