

Thursday, April 22nd (Y-Chromosome session I)

- 9h00 - 14h00 **Registration**
- 14h00 - 14h30 **Opening**
Michael Tsokos (Berlin, Germany)
Niels Morling (Copenhagen, Denmark)
Lutz Roewer (Berlin, Germany)
Walther Parson (Innsbruck, Austria)
- 14h30 - 15h00 **Y-chromosome analysis using next-generation sequencing.**
Chris Tyler-Smith (Hinxton, United Kingdom)
- 15h00 - 15h10 **Analysis of Y-SNPs in the HapMap3 project.**
Yali Xue, Qasim Ayub, Sarah Hunt and Chris Tyler-Smith (Hinxton, United Kingdom)
- 15h10 - 15h25 **Contrasting Male Population Substructure Among African Agriculturalists and Hunter-Gatherers.**
Peter de Knijff and Jeroen Pijpe (Leiden, Netherlands)
- 15h25 - 15h35 **Y chromosomal variation in Sub-Saharan Africa and the Bantu expansion: insights from biallelic and microsatellite markers.**
Cesare de Filippo, Chiara Barbieri, Mark Stoneking and Brigitte Pakendorf (Leipzig, Germany)
- 15h35 - 15h45 **Early Y chromosome lineages in African populations.**
Batini C, Ferri G, Luiselli D, Brisighelli F, Sanchez-Diz P, Rocha J, Jorde L, Brehm A, Montano V, Elwali NE, Spedini G, D'Amato ME, Myres N, Ebbesen P, Destro-Bisol G and Comas D, Christian Capelli (Oxford, United Kingdom)
- 15h45 - 15h55 **Development of SNaPshot minisequencing of 12 Y-SNP loci in Chinese Han population for forensic application.**
Wei Wei, Jing Yan, Haibo Luo and Yiping Hou (Chengdu, China)
- 15h55 - 16h05 **Genetic Portrait of Bangladeshi Population: A Y-Chromosome Perspective.**
Sharif Akhteruzzaman, Shafiul Alam, Ahmad Ferdous, Md. Eunus Ali, Tania Hossain and Md. Mahamud Hasan (Dhaka, Bangladesh)
- 16h05 - 16h20 **Increased resolution within Y chromosome haplogroup R1b-M269 sheds light on the Neolithic transition in Europe.**
George Busby, Francesca Brisighelli, Dan Bradley, Leonor Gusmão, Mark Thomas, Bruce Winney, Walter Bodmer, Paula Sánchez-Diz, Eva Ramos-Luis, Marielle Heinrich, Valentina Coia, Federica Trombetta, Sergio Tofanelli, Rafal Ploski, Carla Vecchiotti, Tatijana Zemunik, Igor Rudan, Sena Karachanak, Draga Toncheva, Paolo Anagnostou, Gianmarco Ferri, Cesare Rapone, Tor Hervig, James F. Wilson and Cristian Capelli (Oxford, United Kingdom)
- 16h20 - 16h30 **Mapping Genetic Landscapes of the Modern Admixed Europe based on Forensic Haplotypes with Geographic Information Systems.**
Amalia Diaz-Lacava and Maja Walier (Bonn, Germany)
- 16h30 - 17h00 **Coffee break**

Thursday, April 22nd (MtDNA session I)

- 17h00 - 17h30 **Identifying variants within Eurasian mtDNA haplogroup U8 and their application to studies of human phylogeography.**
Phillip Endicott (Paris, France)
- 17h30 - 17h40 **Benefits of using unbiased, complete mtDNA genomes for uncovering population histories.**
Mark Whitten, Mingkun Li, Cesare de Filippo, Mark Stoneking and Brigitte Pakendorf (Leipzig, Germany)
- 17h40 - 17h50 **Haplogrouping mtDNAs through protein coding region: trouble in paradise?**
Inês Soares, Ana Goioz and António Amorim (Porto, Portugal)
- 17h50 - 18h00 **Rapid parallel capture and sequencing of complete mitochondrial genomes.**
Tomislav Maricic, Mark Whitten and Svante Pääbo (Leipzig, Germany)
- 18h00 - 18h10 **Towards entire mtDNA sequencing in phylogeny, forensic and medical genetics.**
Liane Fendt, Harald Niederstätter and Walther Parson (Innsbruck, Austria)
- 18h10 - 18h20 **Mitochondrial DNA mutations in complete genomes of colorectal cancer patients.**
Katarzyna Skonieczna, Boris Malyarchuk, Arkadiusz Jawień, Andrzej Marszałek and Tomasz Grzybowski (Bydgoszcz, Poland)
- 18h20 - 18h30 **The potential of mtDNA SNP analysis in forensic casework.**
Stephan Köhnemann and Pfeiffer H (Münster, Germany)
- 18h30 - 18h40 **Rare variants in the coding region mtSNPs.**
Joana Bom, Paulo Dario, Teresa Ribeiro and Helena Geadá (Lisbon, Portugal)
- 18h40 - 18h50 **The GHEP-EMPOP collaboration on mtDNA population data - a new resource for forensic casework.**
Lourdes Prieto, Goios A, Zimmermann B, López-Soto M, Catelli L, Barreto RM, Alves C, Rodríguez-Monge A, Fridman C, Alonso A, Rodríguez-Quesada A, Lima G, Cardoso S, Anjos MJ, Whittle M and Parson W (Madrid, Spain)
- 18h50 - 19h05 **Never miss a profile – String-based search using EMPOP2 and application to phylogenetic alignment.**
Alexander Röck, Arne Dür, Stefan Troger, Martin Pircher and Walther Parson (Innsbruck, Austria)

Friday, April 23rd (Biostatistics session)

- 9h00 - 9h30 **A Probability Theoretical View of Genetic Matches.**
Michael Krawczak (Kiel, Germany)
- 9h30 - 9h50 **Evidentiary strength of a rare haplotype match.**
Charles Brenner (Berkeley, United States)
- 9h50 - 10h55 **YHRD & EMPOP – How to use empirical data to calculate match probabilities.**
Lutz Roewer (Berlin, Germany)
Sascha Willuweit (Berlin, Germany)
Walther Parson (Innsbruck, Austria)
Alexander Röck (Innsbruck, Austria)
- 10h55 - 11h10 **Use of Artificial Random Mixtures from a Y-STR Database to Estimate Expected Frequencies of Potential DNA Contributors.**
Vincent R. Miller and James R. Bentley (Phoenix, United States)
- 11h10 - 11h25 **Problems with frequency surveying.**
Mikkel Meyer Andersen (Aalborg, Denmark)
- 11h25 - 12h35 **Panel discussion**
Niels Morling (Copenhagen, Denmark)
Michael Krawczak (Kiel, Germany)
Bruce Weir (Seattle, United States)
- 12h35 - 14h00 **Lunch & Poster exhibition**

Friday, April 23rd (MtDNA session II)

- 14h00 - 14h15 **Mixtery - confirmed presence of two different mtDNA genomes in maternally related individuals.**
Sabine Lutz-Bonengel, Sanger S, Niederstatter H, Huber G, Pollak S and Parson W (Freiburg, Germany)
- 14h15 - 14h25 **Phylogeny-specific filters for quasi-median network analysis: sharpening the blade for mtDNA error detection.**
Bettina Zimmermann, Alexander Rock, Tanja Kramer, Peter Schneider and Walther Parson (Innsbruck, Austria)
- 14h25 - 14h35 **Origin and evolution of the mitochondrial DNA lineages in Norway.**
Erika Hagelberg, Maja Krzewinska and Ian Frame (Oslo, Norway)
- 14h35 - 14h45 **Update on the mtDNA phylogeny in Eastern and Western Slavs.**
Boris Malyarchuk, Miroslava Derenko, Urszula Rogalla, Patrycja Daca and Tomasz Grzybowski (Bydgoszcz, Poland)
- 14h45 - 14h55 **Towards better mtDNA population samples by inspecting autosomal STR markers.**
Martin Bodner, Jodi A. Irwin, Michael D. Coble and Walther Parson (Innsbruck, Austria)
- 14h55 - 15h10 **Evaluating length heteroplasmy in the human mitochondrial DNA control region.**
Forster L, Peter Forster, Gurney SM, Spencer M, Huang C, Rohl A and Brinkmann B (Munster, Germany)
- 15h10 - 15h20 **Evaluation of sequence-derived length heteroplasmy interpretation by fragment analysis**
Cordula Berger, Petra Hatzler-Grubwieser and Walther Parson (Innsbruck, Austria)
- 15h20 - 15h30 **Improved method for profiling dog mtDNA and expansion of the Belgian population database.**
Leonie Gijssbers and Stijn Desmyter (Amsterdam, Netherlands)
- 15h30 - 16h00 **Coffee break**

Friday, April 23rd (Y-Chromosome session II)

- 16h00 - 16h15 **The genetic structure of Y chromosome in 1338 Italians.**
Valerio Onofri, Loredana Buscemi, Adriano Tagliabracci and the GeFI Group (Ancona, Italy)
- 16h15 - 16h30 **Y-chromosomal Population Substructure in Eastern Tyrol (Austria) Disclosed by Mapping the Linguistic Background of Toponyms.**
Burkhard Berger, Harald Niederstätter, Gerhard Rampl, Daniel Erhard, Isolde Hausner and Walther Parson (Innsbruck, Austria)
- 16h30 - 16h45 **Y-STRs and the history of Western Slavs.**
Marcin Woźniak, Boris Malyarchuk, Miroslava Derenko and Tomasz Grzybowski (Bydgoszcz, Poland)
- 16h45 - 16h55 **Genetic polymorphisms of 17 Y-chromosomal short tandem repeat loci in Central Croatian population.**
Branka Gršković, Gordan Mršić, Ozren Polašek, Andro Vrdoljak, Siniša Merkaš and Šimun Anđelinović (Zagreb, Croatia)
- 16h55 - 17h05 **Micro-geographic distribution of the Y-chromosomal variation in the Duchy of Brabant.**
Maarten H.D. Larmuseau, Nancy Vanderheyden, Manon Jacobs, Monique Coomans, Lucie Larno and Ronny Decorte (Leuven, Belgium)
- 17h05 - 17h15 **Genetic stratification of the Sami inferred from biparental and uniparental markers among four subpopulations.**
Ville N. Pimenoff, Palo JU, Tillmar A, Roewer L and Sajantila A (Berlin, Germany)
- 17h15 - 17h25 **Y-STR DNA Analysis of the 7th Century Human Remains from the Burial Site in Ergolding, Germany.**
Daniel Vanek, Saskova L and Hubert Koch (Prague, Czech Republic)
- 17h25 - 17h35 **Seventeen short tandem repeat loci Y chromosome haplotypes: Genetic analysis on populations residing in San Andres Island (Afro-caribbeans) and Coffee region (Mestizos) of Colombia.**
Claudia Martin and Sandra Avila (Bogota, Colombia)
- 17h35 - 17h50 **Reduced Gene Flow Among Argentinean Native American Ethnic Groups: Evidences from Y chromosome and mtDNA data.**
Daniel Corach and Andrea Sala (Buenos Aires, Argentina)
- 19h30 **Dinner**

Saturday, April 24th (Casework session)

- 10h00 - 10h15 **Lost, Found, and Lost Again: The Strange Case of Everett Ruess.**
Michael Coble, Charles Brenner, and Odile Loreille (Gaithersburg, United States)
- 10h15 - 10h30 **New Horizon for Y-chromosome Applications in Forensic Analyses.**
Kaye N. Ballantyne, Miriam Goedbloed, Rixun Fang, Ying Choi, Manohar R. Furtado and Manfred Kayser (Rotterdam, Netherlands)
- 10h30 - 10h40 **Design and validation of a highly discriminatory 10-locus Y-chromosome STR multiplex system.**
Maria Eugenia D'Amato, Bajic Vladimir B and Davison S (Cape Town, South Africa)
- 10h40 - 10h50 **Utility of Y-STR haplotypes databases in forensic caseworks.**
Federica Alessandrini, Buscemi L, Onofri V, Turchi C and Tagliabracci A (Ancona, Italy)
- 10h50 - 11h05 **Haplotype-specific separation and sequence based typing of HLA genotypes – more than resolving ambiguities?**
Marion Nagy, Patricia Entz, Petra Otremba and Johannes Dapprich (Berlin, Germany)
- 11h05 - 11h15 **Individual specific extraction of DNA from male mixtures – first evaluation studies.**
Jessica Rothe, Lutz Roewer and Marion Nagy (Berlin, Germany)
- 11h15 - 11h30 **Testing for independence of X-chromosomal markers, a cautionary note.**
Andreas O. Tillmar and Petter Mostad (Linköping, Sweden)
- 11h30 - 11h40 **The Fromelles War Graves Project: Identification of skeletal remains from WW1.**
Jim A. Thomson (Teddington, United Kingdom)
- 11h40 - 11h50 **DNA evidence: original DNA test results overturned by a retrial in the Ashikaga case.**
Katsuya Honda, Sugano Y and Nishi T (Tsukuba City, Japan)
- 11h50 - 12h00 **A rare mutation in the primer binding region of the Amelogenin locus in the AmpF/STR® NGM™ PCR Amplification Kit results in dropout of the X but not the Y homologue.**
Julio J. Mulero, Robert E. Lagace and Lori K. Hennessy (Foster City, United States)
- 12h00 - 12h20 **Haploid DNA Workflow: QIAGEN's new portfolio from sample to STR, SNP and Sequencing.**
Christian Starke (Hilden, Germany)
- 12h30 **Coffee & Cigarettes (with Buffet)**

Poster

- P1 **Hierarchical Y-SNP assay to study indigenous populations of South America.**
Maria Geppert, Marion Nagy, Lutz Roewer
- P2 **A rapid tool to detect Y-Q* paragroup variability in Amerindians.**
Ferri G, Alù M, Franceschi Z, Luiselli D, Pettener D, Yang Yao D, Bertocini S, Tofanelli S, Corradini B, Franceschi C, Beduschi G
- P3 **Analysis of microsatellite markers of the Y chromosome of the remnants of quilombos in the State of Alagoas.**
Gustavo R. B. de Souza, Luiz Antonio F. da Silva, Dalmo A. de Azevedo, Alexandro M. L. de Assis, Iede H. E. Ferreira da Silva
- P4 **Haplotype population data for 15 Y-STR loci in Alagoas, northeast Brazil.**
Dalmo A. de Azevedo, Luiz Mauricio da Silva, Luiz Antonio F. da Silva, Leonor Gusmão and Elizeu F. de Carvalho.
- P5 **SRY gene polymorphism: a tool to evaluate natural hybridization in South American primates.**
Andréa M. de Oliveira, Denise Monnerat Nogueira, Ana Maria dos Reis Ferreira, Alcides Pissinatti and Elizeu Fagundes de Carvalho
- P6 **Distribution of Y-chromosomal haplotypes in the Sherpa of the Khumbu Valley (Nepal).**
Pamela Tozzo, Luciana Caenazzo, Silvano Presciuttini, Elena Ponzano, Irene Amoroso, Gianumberto Caravello.
- P7 **Haplotypes for 17 Y-chromosomal STR loci in a population from eastern Libya (Benghazi region).**
Samir Elmrghni, Ron A Dixon and D. Ross Williams
- P8 **Analysis of 17 Y-chromosomal STR loci in the Iranian population.**
Nafiseh Amini, Maryam Sharafi, Mahmood Tavallaie, Sirous Zeinali
- P9 **Comparative analysis on 17 Y-STRs between 5 regional Mongolian populations and a Japanese population.**
Toshimichi Yamamoto, Rieko Uchihi, Takashi Yoshimoto, Yoshinao Katsumata.
- P10 **Project "Genetics and Surnames" in Czech Republic.**
V.Stenzl, L.Urban, Z.Ječná, J.Hlavová, M.Silerova, V.Urbanova, D.Vanek
- P11 **Mutation rates at Y-STRs: a collaborative study of the GEFI-ISFG Group.**
Valerio Onofri, Loredana Buscemi, Adriano Tagliabracci and the GeFI Group
- P12 **Y Chromosome STR Polymorphisms in Ethnically Diverse Populations of North-Eastern Europe.**
Giovanna Bellusci, Paola Blasi, Galina Vershubsky, Andrey Kozlov, Andrea Novelletto
- P13 **Comparison of Y-genetic structure of Romany populations in the three regions of Slovakia – Spiš, Gemer and Šariš.**
Eva Petrejčíková, Alexandra Bôžiková, Miroslav Soták, Jarmila Bernasovská, Ivan Bernasovský, Iveta Boroňová, Adriana Sovičová, Dana Gabriková, Soňa Mačeková, Jana Čarnogurská, Petra Švíčková
- P14 **The genetic legacy of Greek colonisation in South Italy and Sicily.**
Brisighelli F, Busby G, Anagnostou P, Luiselli D, Cali' F, Romano V, Shepherd G, Destro-Bisol G, Capelli C
- P15 **Comparative Y-STR and Y-SNP analysis in two Vlachian Romani population groups from Eastern Hungary.**
Andrea Zalán, Judit Béres

- P16 **Y-Chromosome STR Haplotype Diversity in Three Ethnic Isolated Population from North-Western, Romania.**
Marius Bembea, Attila Patocs, Kozma Kinga, Claudia Jurca, Cristina Skrypnik1
- P17 **The Distribution of Y-Chromosome Haplogroups in Lithuanian Population.**
Pauliukevicius A, Caplinskiene M, Baranoviene R, Jankauskiene J, Kukiene J, Savanevskyte K, Bunokiene D, Jurenienė A, Ruzgaite G
- P18 **Genetic diversity of Y STR-haplotypes in four Ukrainian populations.**
S Kravchenko, E.I. Patscun, LA Livshits
- P19 **Y-chromosomal STR haplotypes in an isolated Population from Germany: the Sorbs.**
Immel UD, Tönjes A, Kovacs P, Stumvoll M, Kleiber M
- P20 **Analysis of two Sardinian isolates (Italy) through Y chromosome polymorphisms.**
Calo' C, Vona G, Corrias L, Scudiero CM, Di Fede C, Mameli A, Robledo R
- P21 **Basques and Germans Y-STRs haplotype distribution in Europe.**
Valverde L, Köhnemann S, Cardoso S, Schuerenkamp M, Pfeiffer H, M de Pancorbo M
- P22 **An enrichment of forensic haploid marker databases: mtDNA and Y-chromosome polymorphisms in a population of Rumanians.**
Chiara Turchi, Federica Alessandrini, Valerio Onofri1 Loredana Buscemi, Walther Parson and Adriano Tagliabracci
- P23 **Y Chromosome Forensic Database: Haplogroup and Haplotype Sharing in a Multiethnic Population Living in Bologna (Italy).**
L. N. Riccardi, S.Ceccardi, R. Lanzello, D. Luiselli, C. Bini, S. Pelotti
- P24 **Development of Multiplex Y SNP Identification Assays for Molecular Evolution and Forensic Applications.**
Rixun Fang, Pius Brzoska, and Manohar Furtado
- P25 **Two different cases of deletion on the short arm of the human Y chromosome.**
Stefania Turrina, Giulia Filippini, Gianfranco Voglino, Domenico De Leo
- P26 **An interesting mutation at locus DYS385 in an uncle/nephew pair in a fatherless paternity case.**
Lancia M., Coletti A., Massetti S., Severini S., Dobosz M., Carlini L. Carnevali E.
- P27 **A new tool for population and forensic genetics: 33 X chromosome Indels in one multiplex reaction.**
Rui Pereira, Iva Gomes, Vânia Pereira, Maria João Prata, António Amorim, Ángel Carracedo, Leonor Gusmão
- P28 **An analysis of segregation data for 10 X-chromosome STR loci.**
Suelen Botão, Miguel Gelabert-Besada, Amelia Rodríguez, Ángel Carracedo, Leonor Gusmão, Paula Sánchez-Diz
- P29 **Linkage and linkage disequilibrium analysis of X-STRs in Italian informative families.**
Inturri S, Menegon S, Amoroso A, Torre C, Robino C
- P30 **Genetic Analysis of US population samples using a X-STR 20-plex PCR assay.**
Chien-Wei Chang and Lori K. Hennessy
- P31 **Genetic characterization of a north-western Iberian region using Mentype® Argus X-8 kit.**
Miguel Gelabert-Besada, Raquel Calvo, Manuel García-Magariños, Anna González-Tendero, Maviky Lareu, Paula Sánchez-Diz

- Study of 25 X-chromosome SNPs in the Portuguese.**
P32 Vânia Pereira, Carmen Tomas, António Amorim, Niels Morling, Leonor Gusmão, Maria João Prata
- Rapid Screening for Mitochondrial and Y-Chromosome Haplogroups in Routine DNA Analysis.**
P33 Gala Zuccarelli, Evguenia Alechine, Mariela Caputo, Cecilia Bobillo, Daniel Corach and Andrea Sala
- Paternal and maternal lineages in Guinea-Bissau population.**
P34 Carvalho M, Brito P, Bento AM, Gomes V, antunes H, Afonso Costa H, Lopes V, Serra A, Balsa I, Andrade L, Anjos MJ, Corte Real F, Gusmão L
- In search of the lost Mountain Bushmen of Lesotho.**
P35 Sarah Marks, Hila Levy, Chiara Batini, George Busby, Charles Arthur, Brian Stewart, Peter Ebbesen, Eugenia M D'Amato, Sean Davison, Peter Mitchell, Cristian Capelli
- PhyloTree - an updated human mtDNA tree.**
P36 Mannis van Oven and Manfred Kayser
- MTDNA typing improvements... and alternatives.**
P37 Paulo Dario, Teresa Ribeiro, Helena Geadá
- The Portuguese Gypsy community: tracing their routes through maternal genetic lineages.**
P38 Cristina Valente, Alfredo Gusmão, Isabel Mendizabal, Cíntia Alves, Verónica Gomes, Ana Goios, Walther Parson, António Amorim, Luis Alvarez, David Comas, Leonor Gusmão, Maria João Prata
- mtDNA data of 3 Ethnic Groups from Angola.**
P39 Afonso Costa H, Melo MM, Carvalho M, Anjos M., Lopes V, Serra A, Vieira DN, Sequeiros J, Côte-Real, F
- The frequencies of mtDNA haplogroups in Czech Republic and a comparison to the other European populations.**
P40 V. Urbanova, M. Silerova, L. Saskova, D. Vanek
- Diversity of mitochondrial DNA of Belarusians and its forensic application.**
P41 A. Kushniarevich, L. Sivitskaya, S. Borovko, O. Davydenko
- Analysis of mtDNA SNPs genotyped with Affymetrix GeneChip 6.0 array in a population sample from South-Sardinia.**
P42 Piras Ignazio, Corrias Laura, Calò Carla Maria, Vona Giuseppe
- Validation 'Maxwell®16 for hair shafts' reveals multiple mtDNA profiles in an individual's hair.**
P43 Stijn Desmyter, Sylvie Comblez, Fabrice Noël
- Mitochondrial DNA control regions sequences and maternal inheritance: a comparison between mother-child pairs.**
P44 N. Cerri, A. Verzeletti, V. Cortellini, A. Cincotta, F. De Ferrari