



Poster Session 3

Friday, September 18 (11:15 – 12:30)

- P 209 A genetic study of the East Timor population using autosomal SNPs**
Carla Santos^{1,2}, Christopher Phillips¹, Manuel Fondevila¹, Liliana Porras-Hurtado^{1,3}, Ángel Carracedo¹, Luís Souto², Maria Victoria Lareu¹, ¹Forensic Genetics Department, Genomic Medicine Group, University of Santiago de Compostela and Centro Nacional de Genotipado (CeGen), Genomic Medicine Group, Hospital Clínico Universitario, Galicia, Spain, ²Departamento de Biología, Universidade de Aveiro, Aveiro, Portugal, ³Medical Genetic Laboratory, Technological University of Pereira, Pereira, Colombia
- P 210 Swedish population data on the SNPforID Consortium autosomal SNP-multiplex**
Kerstin Montelius¹, Adreas O. Tillmar¹, Jonny Kumlin¹, Bertil Lindblom¹, ¹National Board of Forensic Medicine, Department of Forensic Genetics and Forensic Toxicology, Linköping, Sweden
- P 211 The polymorphisms of 9 SNP loci on mitochondrial DNA in the Chinese Han population**
Xiaoming Sun¹, Yi Ye¹, Yingbi Li¹, Jin Wu¹, Yiping Hou¹, ¹Sichuan University, Chengdu, Sichuan, China
- P 212 48 autosomal Single nucleotide Polymorphisms typing of a Moroccan sample using the GenPlex™ system. Population and Forensic data.**
Mehdi BOUABDELLAH^{1,3}, Kaoutar BENTAYEBI¹, Rachid ABOUKHALID¹, Mostafa ELFAHIM², Driss SQUALLI³, Saaid AMZAZI¹, ¹Forensic Genetics Unit, Biochemistry and Immunology laboratory, Faculty of Sciences, Mohamed V-Agdal University, RABAT, Morocco, ²Genomic Platform, UATRS CNRST, RABAT, Morocco, ³GENOME Biotechnologies, CASABLANCA, Morocco
- P 213 Allele frequency investigation of an autosomal SNP by using pyrosequencing typing platform**
Chunguang Lou¹, Shujin Li¹, Bin Cong¹, Ting Feng¹, Yang Xie¹, ¹Department of Forensic Medicine, Hebei Medical University, Shijiazhuang, Hebei, China
- P 214 The Africa male lineages of Bahia's people - Northeast Brazil - A preliminary SNP's study**
Eugenio Nascimento^{1,2}, Dalmo Azevedo³, Eliana Azevedo¹, Vilma Freitas¹, ¹Laboratório Central de Polícia Técnica, Salvador/Bahia, Brazil, ²Universidade Estadual de Feira de Santana, Feira de Santana/Bahia, Brazil, ³Universidade Federal de Alagoas, Maceio/Alagoas, Brazil



P 215 SNPSTR rs59186128_D7S820 in European Caucasoid, Hispanic and Afro-American Populations.

A. Odriozola¹, JM. Aznar¹, L. Valverde¹, S. Cardoso¹, ML. Bravo², JJ. Builes^{2,6}, B. Martínez³, D. Sánchez⁴, F. González-Andrade⁵, E. Sarasola¹, MC. González-Fernández¹, B. Martínez Jarreta⁵, MM. De Pancorbo¹, ¹Grupo Biomics. Departamento de Z. y Biología Celular, Universidad del País Vasco, Vitoria-Gasteiz, Alava, Spain, ²Instituto de Biología, Universidad de Antioquia, Medellín, Colombia, ³Instituto de Investigaciones Inmunológicas, Universidad de Cartagena, Cartagena, Colombia, ⁴Laboratorio de Genética Molecular, Metropolitan Hospital,, Quito, Colombia, ⁵Universidad De Zaragoza, Faculty of Medicine, Area of Legal and Forensic Medicine, Zaragoza, Spain, ⁶Laboratorio Genes Ltda, Medellín, Colombia

P 216 Population Data of 52 Autosomal SNPs in Italian Populations

Anna Barbaro^{1,2}, Chris Phillips², Manuel Fondevila², Angel Carracedo², Maria Victoria Lareu², ¹Dept. Forensic Genetics- SIMEF, Reggio Calabria (RC), Italy, ²Forensic Genetics Unit, Institute of Legal Medicine, USC, Santiago de Compostela, Spain

P 217 Database of the polymorphic genetic markers D19S433 and D2S1338 of the population of Buenos Aires Province, Argentina.

Celia Iudica¹, Stella Maris Jaureguiberry¹, Maria Laura Parolin¹, Lorena Sambuco¹, ¹Laboratorio de Genética Forense, Policía Científica, San Martín, Buenos Aires, Argentina

P 218 A highly polymorphic STR-locus within the MHC-region close to HLA-DR/DQ: Austrian population data of DQIV (alias M2_4_32)

Eva-Maria Dauber¹, Elisabeth Schwartz-Jungl¹, Sabine Wenda¹, Gudrun Dorner¹, Barbara Glock¹, Wolfgang R. Mayr¹, ¹Medical University of Vienna, Blood Group Serology, Vienna, Austria

P 219 Population genetic data for F13A01, FES/FPS, F13B and LPL in Colombia (Department of Santander)

Adriana Castillo¹, Martha Hincapié¹, Clara Inés Vargas¹, Ion Uriarte², Iñaki Yurrebaso², Oscar García², ¹Laboratorio de Genética, Facultad de Salud, Universidad Industrial de Santander (UIS), Bucaramanga, Colombia, ²Basque Country Forensic Genetics Laboratory, Erandio, Bizkaia, Spain

P 220 Genetic analysis of 9 non-CODIS miniSTR loci in the Brazilian population of Parana

Marcelo Malaghini¹, Fabio Leite³, ¹Instituto de Criminalística-PR, Curitiba, Brazil, ²Instituto Geral de Perícias, Porto Alegre, Brazil

P 221 pop.STR - an online population frequency browser for established and new forensic STRs.

Jorge Amigo Lechuga¹, Christopher Phillips¹, Antonio Salas¹, Luis Fernandez Formoso¹, Angel Carracedo¹, Maviky Lareu¹, ¹Forensic Genetics Unit, Institute of Legal Medicine, University of Santiago de Compostela, Santiago de Compostela, Spain

P 222 Population data for 15 STRs loci in an immigrant population sample from Northern Italy

Nicoletta Cerri¹, Andrea Verzeletti¹, Venusia Cortellini¹, Francesco De Ferrari¹, ¹Department of Forensic Medicine - University of Brescia, Brescia, Italy



- P 223 Allele frequencies of six miniSTR loci (D10S1248, D14S1434, D22S1045, D4S2364, D2S441, D1S1677) in two Italian population.**
Susanna Massetti¹, Simona Severini¹, Eugenia Carnevali¹, Massimo Lancia¹, Alessio Coletti¹, Mauro Bacci¹, A. Faa², Ernesto D'Aloja², ¹*University of Perugia, Perugia, Umbria, Italy*, ²*University of Cagliari, Cagliari, Sardegna, Italy*
- P 224 Phylogenetic position of Berber-speaking population of Azrou using 15 STRs of Identifiler.**
Hicham El Ossmani^{1,2}, Hamid El Amri¹, Jalal Talbi², Brahim Bouchrif³, Bouchaïb Gazzaz¹, Driss Zaoui², Abdelaziz Chafik², ¹*Genetics Laboratory Of Gendramerie Royale, Rabat, Morocco*, ²*Laboratory Of Anthropogenetic and Physiopathology, El Jadida, Morocco*, ³*Laboratory of Molecular Biology Institut Pasteur, Casablanca, Morocco*
- P 225 Allele frequencies for 15 Short Tandem Repeats loci in an Argentine population sample**
Mariel Andrea Abovich¹, Adrián Maximiliano Arellano¹, Andrea Hilda Szocs¹, Daniel Horacio Alcázar¹, Silvia Graciela Cabeller¹, María Belén Rodríguez Cardozo¹, ¹*Banco Nacional de Datos Genéticos, Buenos Aires, Argentina*
- P 226 The present of tri-allelic TPOX genotypes in Dominican Population**
Vilma Diaz^{1,2}, Patria Rivas¹, Angel Carracedo², ¹*Laboratorio Patria Rivas, Santo Domingo, Dominican Republic*, ²*Instituto de Medicina Legal, Facultad de Medicina, Universidad de Santiago de Compostela, Galicia, Spain*
- P 227 Genetic profile of Federal District of Brazil based on 18 STR autosomal loci**
Gustavo Dalton^{1,2}, Aluisio Trindade-Filho², Karla Paula², Hyung Pak², Cláudia Mendes², Flávia Maia², Silviene Oliveira¹, ¹*Universidade de Brasília, Brasília / DF, Brazil*, ²*Polícia Civil do DF, Brasília / DF, Brazil*
- P 228 Two non-CODIS miniSTR multiplex systems for analysis of degraded DNA samples in the Chinese Han population**
Xue Bai¹, Bin Cong¹, Shujin Li¹, Xia Li¹, Xia Guo¹, Lujun He¹, ¹*Department of Forensic Medicine, Hebei Medical University, Shijiazhaung, Hebei Province, China*
- P 229 Usefulness of a hundred of autosomal tetranucleotide STR markers for genetic analysis among geographically close human regional populations in East Asia**
Toshimichi Yamamoto¹, Marie Fukami¹, Rieko Uchihi¹, Takashi Yoshimoto¹, Miho Sasaki¹, Takafumi Mizuno¹, Yoshinao Katsumata¹, Naruya Saitou², ¹*Nagoya University, Nagoya, Japan*, ²*National Institute of Genetics, Mishima, Japan*
- P 230 Allele frequencies of three miniSTR loci (D22S1045, D14S1434 and D10S1248) in North-East Italy**
Solange Sorçaburu Cigliero¹, Fabio Gerin¹, Carlo Previderè², Paolo Fattorini¹, ¹*Department of Science of Public Health, University of Trieste, Trieste, Italy*, ²*Department of Legal Medicine, Forensic and Pharmacotoxicological Sciences, University of Pavia, Italy, Trieste, Italy*



P 231 Use of non CODIS miniSTR markers: creation of a data base in Argentina

Alicia Borosky¹, Jesica Astrada¹, Magdalena Romero², Carola Romanini², Laura Catelli², Carlos Vullo¹, ¹*LIDMO, Córdoba, Argentina*, ²*EAAF, Córdoba, Argentina*

P 232 Update of an on-line autosomal STR and Y-STR reference database of Argentina

Evguenia Alechine¹, Miguel Marino¹, Adriana Andrea Sala¹, Maria Cecilia Bobillo¹, Daniel Corach¹, ¹*Servicio de Huellas Digitales Genéticas - Facultad de Farmacia y Bioquímica - UBA, Buenos Aires, Argentina*

P 233 Population data about the distribution of 15 autosomal STRs and 17 Y-STRs in South of Italy (Calabria)

Anna Barbaro¹, Patrizia Cormaci¹, Angelo La Marca², Stefano Votano², Aldo Barbaro³, ¹*Dept. Forensic Genetics- SIMEF, Reggio Calabria (RC), Italy*, ²*Dept. Hematology - SIMEF, Reggio Calabria (RC), Italy*, ³*Director-SIMEF, Reggio Calabria (RC), Italy*

P 234 Population Data of 5 Next Generation STRs in Southern Italy

Anna Barbaro^{1,2}, Chris Phillips², Luis Fernandez Formoso², Ángel Carracedo², Maria Victoria Lareu², ¹*Dept. Forensic Genetics, SIMEF, Reggio Calabria (RC), Italy*, ²*Forensic Genetics Unit, Institute of Legal Medicine, USC, Santiago de Compostela, Spain*

P 235 Forensic evaluation of 15 STR loci in Venezuelan military aircraft pilots

María Luisa Núñez Bello¹, Melissa Arria², María Fernanda Sequera¹, Greta M. Rodríguez-Arroyo², Lucía Gutiérrez Arteaga¹, Adán Hernández¹, Armando Vega Ramírez¹, ¹*Departamento de Genética Forense, Laboratorio Central de la Guardia Nacional Bolivariana de Venezuela, Caracas, Dto. Capital, Venezuela*, ²*Laboratorio de Genética Humana, Instituto Venezolano de Investigaciones Científicas, Altos de Pipe, Edo. Miranda, Venezuela*

P 236 Genetic composition of Middle-West Brazilian populations, estimated with autosomically STRs, shows no difference

Neide Maria Godinho^{1,2}, Carlos Eduardo Amorim¹, Carolina Carvalho Gontijo¹, Maria Emília Diniz¹, Gabriel Falcão Alencar¹, Gustavo de Carvalho Dalton¹, Rejane da Silva Sena Barcelos^{2,3}, Hélio Buchmüller⁴, Guilherme Jacques⁴, Silviene Fabiana Oliveira¹, ¹*Universidade de Brasília, Brasília, Distrito Federal, Brazil*, ²*Instituto de Criminalística de Goiás, Goiânia, Goiás, Brazil*, ³*Universidade Católica de Goiás, Goiânia, Goiás, Brazil*, ⁴*Instituto de Criminalística da Polícia Federal, Brasília, Distrito Federal, Brazil*

P 237 Association between STRs from the X chromosome in a sample of Portuguese Gypsies

Cristina Valente^{1,2}, Vânia Pereira^{1,3}, Iva Gomes^{1,4}, António Amorim^{1,3}, Leonor Gusmão¹, Maria João Prata^{1,3}, ¹*Institute of Molecular Pathology and Immunology of the University of Porto (IPATIMUP), Porto, Portugal*, ²*Department of Biology, University of Aveiro, Aveiro, Portugal*, ³*Department of Zoology and Anthropology, Faculty of Sciences, University of Porto, Porto, Portugal*, ⁴*Institute of Legal Medicine, University of Santiago de Compostela, Santiago de Compostela, Spain*

P 238 Genetic data of 10 X-chromosomal loci in Vitória population (Espírito Santo State, Brazil)



Joyce Martins¹, Jeane Costa¹, Greiciane Paneto¹, Leonor Gusmão², Paula Sánchez-Diz³, Ángel Carracedo³, Regina Cicarelli¹, ¹UNESP, São Paulo State University, School of Pharmaceutical Sciences, Araraquara, São Paulo, Brazil, ²IPATIMUP - Institute of Pathology and Molecular Immunology of University of Porto, Porto, Portugal, ³Institute of Legal Medicine. Genomics Medicine Group. University of Santiago de Compostela, A Coruña, Spain

P 239 Genetic studies of eight X-STRs in a Northeast Italian population

Stefania Turrina¹, Giulia Filippini¹, Domenico De Leo¹, ¹Department of Medicine and Public Health, Institute of Legal Medicine, University of Verona, Verona, Italy

P 240 Chromosome X centromere region - Haplotype frequencies for different populations

Jeanett Edelmann¹, Rüdiger Lessig¹, Sandra Hering², Christa Augustin³, Uta-Dorothee Immel⁴, Reinhard Szibor⁵, ¹Institute of Legal Medicine, University of Leipzig, Leipzig, Germany, ²Institute of Legal Medicine, Technical University Dresden, Dresden, Germany, ³Institute of Legal Medicine, University-Hospital Hamburg-Eppendorf, Hamburg, Germany, ⁴Institute of Legal Medicine, Martin-Luther University Halle, Halle, Germany, ⁵Institute of Legal Medicine, Otto-von-Guericke-University Magdeburg, Magdeburg, Germany

P 241 Analysis of 12 X-chromosomal STRs in an Algerian population sample

A Bekada¹, S Benhamamouch¹, A Boudjema¹, M Fodil¹, S Menegon², C Torre², C Robino², ¹Département de Biotechnologie, Faculté des Sciences, Université d'Oran, Oran, Algeria, ²Department of Anatomy, Pharmacology and Legal Medicine, University of Turin, Turin, Italy

P 242 Genetic patterns of 10 X chromosome short tandem repeats in an Asian population from Macau

Iva Gomes^{1,2}, António Amorim^{1,3}, Vânia Pereira^{1,3}, Angel Carracedo^{1,4}, Leonor Gusmão¹, ¹IPATIMUP, Porto, Portugal, ²Institute of Legal Medicine, University of Santiago de Compostela, Santiago de Compostela, Spain, ³Faculty of Science, University of Porto, Porto, Portugal, ⁴Genomics Medicine Group, CIBERER, University of Santiago de Compostela, Santiago de Compostela, Portugal

P 243 Genetic data of 10 X-STR in two Native American populations of Argentina

Ulises Toscanini¹, Leonor Gusmão², Andrea Gomez¹, Gabriela Berardi¹, Eduardo Raimondi¹, ¹PRICAI-FUNDACIÓN FAVALORO, C. Aut. de Buenos Aires, Argentina, ²IPATIMUP, Porto, Portugal

P 244 Genetic origin based on Y-specific STR haplotypes in a sample of Caucasian-Mestizo and African descent male individuals of Colombia.

Juan J Yunis^{1,2}, David S. Campo¹, Luis E. Acevedo¹, Emilio J. Yunis¹, ¹Servicios Medicos Yunis Turbay y Cia, Bogota, DC, Colombia, ²Departamento de Patología, Facultad de Medicina, Universidad Nacional de Colombia, Bogota, DC, Colombia



- P 245 A Y-chromosome SNP multiplex for haplogroup assignment of West Eurasian men from Tyrol (Austria)**
Harald Niederstätter¹, Daniel Erhart¹, Florian Pitterl¹, Herbert Oberacher¹, Burkhard Berger¹, Walther Parson¹, ¹*Institute of Legal Medicine, Innsbruck Medical University, Innsbruck, Austria*
- P 246 Y-chromosome haplotype database in Venezuelan central region and its comparison with others Venezuelan populations.**
Claudia Marrero¹, Airene Aixare Dictamen¹, Lisbeth Borjas², Jose Miguel Quintero², Raul Ferreira¹, Maritza Alvarez¹, ¹*Laboratorio Genomik, Maracay, Aragua, Venezuela*, ²*Lab Genética Molecular. Unidad de Genética Médica, Universidad de Zulia, Maracaibo, Zulia, Venezuela*
- P 247 Y-chromosomal STR haplotypes in an Arab population from Somalia**
Uta-Dorothee Immel¹, Manfred Kleiber¹, ¹*Department of Legal Medicine, Martin-Luther University Halle-Wittenberg, Halle/Saale, Germany*
- P 248 Knowing your DNA database: issues with determining ancestral Y haplotypes in a Y-Filer database**
Duncan Taylor¹, Julianne Henry¹, Robert Mitchell², Nano Nagle², Roland van Oorschot³, ¹*Forensic Science SA, Adelaide, South Australia, Australia*, ²*La Trobe University, Melbourne, Victoria, Australia*, ³*Victorian Police Forensic Services Centre, Melbourne, Victoria, Australia*
- P 249 Population data of 12 Y-STR loci from a Somali population**
Andreas Tillmar¹, Kerstin Montelius¹, ¹*National Board of Forensic Medicine, Department of Forensic Genetics and Forensic Toxicology, Linköping, Sweden*
- P 250 New single nucleotide polymorphisms on Y chromosome in the Chinese Han population**
Wei Wei¹, Jing Yan¹, Haibo Luo¹, Yiping Hou¹, ¹*Sichuan University, Chengdu, Sichuan, China*
- P 251 Evaluating Y-Chromosome STRs mutation rates: a collaborative study of the Ge.F.I.-ISFG Italian Group.**
Valerio Onofri¹, Loredana Buscemi¹, Adriano Tagliabracci¹, Ge.F.I. Group Group², ¹*Institute of Legal Medicine, Polytechnic University of Marche, Ancona, Italy*
- P 252 Analysis of Y Chromosome SNPs in Alagoas, Northeastern Brazil**
Dalmo A. Azevedo¹, Luiz Antonio F. da Silva¹, Leonor Gusmão², Elizeu F. de Carvalho³, ¹*Forensic DNA Laboratory, Federal University of Alagoas, Alagoas, Brazil*, ²*Institute of Molecular Pathology and Immunology of University of Porto (IPATIMUP), Porto, Portugal*, ³*Institute of Biology, State University of Rio de Janeiro, Rio de Janeiro, Brazil*
- P 253 Investigation of population structure in the Victorian Italian & Greek population using Y chromosome STR haplotype analysis**
Anjali Goundar^{1,2}, Roland van Oorschot², Runa Daniel², R. John Mitchell¹, ¹*La Trobe University, Bundoora, Victoria, Australia*, ²*Victoria Police Forensic Services Department, Macleod, Victoria, Australia*



- P 254 Mutation rates at 17 Y-STR loci in father-son pairs from Southern Spain**
María José Farfán¹, Victoria Prieto¹, ¹Instituto Nacional de Toxicología y Ciencias Forenses, Sevilla, Spain
- P 255 Comparative Y-STR and Y-SNP analysis of the seklers and csangos to the present hungarians**
Horolma Pamjav¹, Andrea Zalán¹, Antónia Völgyi¹, Zsolt Pádár², ¹DNA Laboratory, Institute of Forensic Medicine, Institutes for Forensic Sciences, Budapest, Hungary, ²Department of Haemogenetics, Institute for Forensic Sciences, Budapest, Hungary
- P 256 Banco Nacional de Datos Genéticos: YFILER Database**
Maria Victoria Colica¹, Sergio Fernando Valente¹, Oscar Santapa¹, Andrea Hilda Szöcs¹, Carlos Gregorio Echenique¹, Jorge Horacio Solimine¹, Daniel Horacio Alcazar¹, Silvia Graciela Cabeller¹, Adrian Maximiliano Arellano¹, Maria Belen Rodriguez Cardozo¹, ¹Banco Nacional de Datos Geneticos, Ciudad de Buenos Aires, Argentina
- P 257 Y-Chromosome SNP analysis in the Brazilian Population of São Paulo State (Ribeirão Preto)**
Marta São-Bento¹, Mónica Carvalho¹, Ana Margarida Bento¹, Lisa Andrade¹, Virgínia Lopes¹, Armando Serra¹, Francisco Corte-Real^{2,3}, Maria João Anjos¹, ¹Forensic Genetic Service, Centre Branch, National Institute of Legal Medicine I.P., Coimbra, Portugal, ²National Institute of Legal Medicine I.P., Coimbra, Portugal, ³Faculty of Medicine, University of Coimbra, Coimbra, Portugal
- P 258 Haplotyping of Y-chromosomal short tandem repeats DYS481, DYS570, DYS576 and DYS643 in three Baltic populations**
Ruediger Lessig¹, Jeanett Edelmann¹, Jan Dressler¹, Michael Krawczak², ¹Institute of Legal Medicine of the University of Leipzig, Leipzig, Germany, ²Institute of Medical Informatics and Statistics of the University of Kiel, Kiel, Germany
- P 259 Comparison of Y chromosome haplogroup frequencies in 8 Provinces from Argentina.**
Virginia Ramallo¹, Juan Marcos Mucci¹, Angelina Garcia³, Marina Muzzio¹, Josefina Brenda Motti¹, María Rita Santos¹, María Emilia Perez¹, Emma Alfaro², José Edgardo Dipierri², Dario Demarchi³, Claudio Marcelo Bravi¹, Graciela Bailliet¹, ¹Instituto Multidisciplinario de Biología Celular (IMBICE), La Plata, Buenos Aires, Argentina, ²Instituto de Biología de la Altura (INBIAL), San Salvador de Jujuy, Jujuy, Argentina, ³Museo de Antropología, Facultad de Filosofía y Humanidades, Universidad Nacional de Córdoba (UNC), Córdoba, Córdoba, Argentina
- P 260 Genetic Structure of Mendoza Province Population Inferring using Autosomal and Y-chromosome STRs**
Miguel Marino¹, Sandra Furfuro¹, Daniel Corach², ¹Laboratorio de Análisis de ADN, School of Medical Sciences, National University of Cuyo, Mendoza, Argentina, ²Servicio de Huellas Digitales Genéticas, University of Buenos Aires, Buenos Aires, Argentina



- P 261 Distribution of Y-chromosomal SNP-haplogroups between males from Ethiopia**
Michael Kohl¹, Rüdiger Lessig¹, Jeanett Edelmann¹, Jan Dressler¹, Karlheinz Thiele¹, ¹*Institute of Legal Medicine, Leipzig, Germany*
- P 262 Dissecting the Finnish male uniformity: the value of additional Y-STR loci**
Minttu Hedman¹, Jukka Palo¹, Antti Sajantila¹, ¹*Laboratory of Forensic Biology, Department of Forensic Medicine, University of Helsinki, Helsinki, Finland*
- P 263 Allele frequencies and population data for 17 Y-STR loci in Casablanca resident population.**
Brahim El Houate¹, Adil Laouina¹, Hakima Yahia¹, Redouane Boulouiz¹, Faiza Chbel¹, ¹*Service de Biologie, Laboratoire National de la Police Scientifique, Casablanca, Morocco*
- P 264 Y-STR haplotype variation in a sample from Gran Buenos Aires (Argentina)**
Cecilia Ines Catanesi¹, Laura Angela Glesmann¹, Miriam Silbestro¹, Lidia Vidal Rioja¹, ¹*IMBICE, Lab. de Genética Molecular, La Plata, Argentina*
- P 265 Phylogeography of French male lineages**
Eva Ramos-Luis¹, Alejandro Blanco-Verea^{1,2}, María Brión^{1,2}, Veronique Van Huffel³, Angel Carracedo¹, Paula Sánchez-Diz¹, ¹*Institute of Legal Medicine, Genomics Medicine Group, University of Santiago de Compostela, CIBER for Rare Diseases (CIBERER), Santiago de Compostela, Spain, ²Complejo Hospitalario Universitario de Santiago de Compostela (CHUS), Santiago de Compostela, Spain, ³Institut National de la Transfusion Sanguine, Paris, France*
- P 266 Haplotype frequencies for 17 Y-STR loci (AmpFISTR®Y-filer™) in a Moroccan population sample**
Rachid ABOUKHALID¹, Mehdi BOUABDELLAH^{1,2}, Meryem ABBASSI¹, Kaoutar BENTAYEBI¹, Mohammed MZIBRI³, Driss SQUALLI², Saaid AMAZI¹, ¹*Mohammed V University Faculty of Sciences, Rabat, Morocco, ²GENOME Biotechnologies, Casablanca, Morocco, ³Centre National de l'Energie des Sciences et Techniques Nucléaires (CNESTEN), Rabat, Morocco*
- P 267 Analysis of Y chromosome lineages in a samples from Sub-Saharan Africa descendents in Rio de Janeiro**
Andréa Maria Oliveira¹, Patrícia Domingues¹, Dayse Aparecida Silva¹, Leonor Gusmão², Elizeu F. Carvalho¹, ¹*Universidade do Estado do Rio de Janeiro – Laboratório de Diagnósticos por DNA., Rio de Janeiro, Brazil, ²IPATIMUP, Institute of Pathology and Molecular Immunology of University of Porto., Porto, Portugal*
- P 268 Development of Y-SNP typing assay for forensic application in Venezuelan population**
Miguel Chiurillo¹, Noelia Lander², Maria Rojas², Marjorie Sayegh², Jose Ramirez², ¹*Decanato de Ciencias de la Salud, Universidad Centroccidental Lisandro Alvarado, Barquisimeto 3001. Estado Lara., Venezuela, ²Laboratorio de Polimorfismos Genéticos, Instituto de Estudios Avanzados, MppCT., Carretera Nacional Hoyo de la Puerta, Caracas 1080A., Venezuela*



P 269 Evaluation of extended haplotype data for the African Botswana population

Tiroyamodimo Tau¹, Sean Davison¹, Maria Eugenia D'Amato¹, ¹University of the Western Cape, Bellville, Cape Town, South Africa

P 270 Evaluation of 21 Y-STRs for population and forensic studies in South Africa

Maria Eugenia D'Amato¹, Sean Davison¹, ¹University of the Western Cape, Bellville, Cape Town, South Africa

P 271 STR Allele Frequencies and Y Haplotypes in Five Chilean Sample Populations

Suzanne D. Gonzalez¹, Rhonda K. Roby¹, Nicole R. Phillips¹, John V. Planz¹, Jennifer L. Thomas¹, Jaime A. Pantoja Astudillo², Jianye Ge¹, Eugenia Aguirre Morales², Arthur J. Eisenberg¹, Ranajit Chakraborty³, Bruce Budowle¹, ¹University of North Texas Health Science Center, Ft. Worth, Texas, United States, ²Government of Chile, Santiago, Chile, ³University of Cincinnati, Cincinnati, Ohio, United States

P 272 South to North increasing gradient of Paternal European ancestry throughout the Mexican territory: Evidence of Y-linked Short Tandem Repeats

Joel Salazar-Flores¹, Refugio Dondiego², Manuel Anaya-Palafox³, Ismael Nuño-Arana¹, Rodrigo Rubi-Castellanos¹, Luis Miguel Canseco-Avila⁴, Guillermo Flores-Flores⁴, Odette Romero-Renteria¹, Maria Elena Morales-Vallejo⁵, Jose Francisco Muñoz-Valle⁶, Hector Rangel-Villalobos¹, ¹Instituto de Investigación en Genética Molecular, Universidad de Guadalajara (CUCI-UdeG), Ocotlán, Jalisco, Mexico, ²Doctorado en Ciencias Biológicas, Universidad Autónoma de Aguascalientes (UAA), Aguascalientes, Aguascalientes, Mexico, ³Laboratorio de Genética Forense, Instituto Jalisciense de Ciencias Forenses (IJCF), Tlaquepaque, Jalisco, Mexico, ⁴Hospital de Regional de Alta Especialidad, Tuxtla Gutierrez, Chiapas, Mexico, ⁵Laboratorio de Genética Forense, Coordinación General de Servicios Periciales (PGJE), Irapuato, Guanajuato, Mexico, ⁶Instituto de Investigación del Sistema Musculo Esquelético (CUCS-UdeG), Guadalajara, Jalisco, Mexico, Mexico

P 273 Origin of paternal lineages in an admixed population of Northern Argentina (La Esperanza, Jujuy)

Eugenia Altuna^{1,4}, Angelina Garcia^{1,3}, Virginia Ramallo^{2,3}, Graciela Bailliet^{2,3}, Nidia Modesti^{4,3}, Dario Demarchi^{1,3}, ¹Museo de Antropología - FFyH - UNC, Córdoba, Córdoba, Argentina, ²IMBICE (Instituto Multidisciplinario de Biología Celular), La Plata, Buenos Aires, Argentina, ³CONICET (Consejo Nacional de Investigaciones Científicas y Técnicas), Córdoba, Córdoba, Argentina, ⁴CEPROCOR - Ministerio de Ciencia y Tecnología, Córdoba, Córdoba, Argentina

P 274 Bayes' Theorem simplified even more

Charles Brenner¹, ¹UC Berkeley, Berkeley, CA, United States

P 275 Validation and consistency of sample sizes in forensic and population genetic studies using microsatellites markers.

William Usaquén Martínez¹, Luis Fernando García Pinzón¹, Jimmy Antonio Corzo Salamanca¹, ¹Universidad Nacional de Colombia, Bogotá, Colombia



- P 276 Searching a DNA Data Bank with complex mixtures from two individuals.**
Josée Noël¹, Léo Lavergne¹, France Mailly¹, Dominique Roberge¹, Christine Jolicoeur¹, ¹Laboratoire de sciences judiciaires et de médecine légale, Montréal, Quebec, Canada
- P 277 Bayesian networks for victim identification on the basis of DNA profiles**
Carla Bruijning - van Dongen¹, Klaas Slooten¹, Wim Wiegerinck¹, Willem Burgers¹, ¹netherlands Forensic Institute, The Hague, Netherlands
- P 278 Estimating the number of contributors to forensic DNA mixtures: does maximizing the likelihood performs better than the maximum allele count ?**
Hinda Haned¹, Dominique Pontier¹, Jean Lobry¹, Laurent Pène², Anne Beatrice Dufour¹, ¹Laboratoire de Biométrie et Biologie Evolutive, UMR-CNRS 5558, Université de Lyon, Université Lyon 1, Villeurbanne, France, ²Institut National de Police Scientifique, Laboratoire de Police Scientifique de Lyon, Lyon, France
- P 279 Use of freeware for calculating likelihood ratio for paternity and kinship in complicated human pedigrees**
Jiří Drábek^{2,1}, ¹Palacky University, Olomouc, Czech Republic, ²Czechoslovak Society for Forensic Genetics, Olomouc, Czech Republic
- P 280 Analysis of complex family cases with Probabilistic Expert Systems**
Massimo Lancia¹, Alessio Coletti¹, Marina Dobosz¹, Eugenia Carnevali¹, Luigi Carlini¹, Mauro Bacci¹, ¹University of Perugia, Perugia, Umbria, Italy
- P 281 Population stratification in Argentina strongly influences likelihood ratio estimates in paternity testing as revealed by a simulation-based approach**
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- P 282 A preliminary mitochondrial DNA SNP assay for inferring biogeographical ancestry.**
Alex Bate¹, Dennis McNevin¹, Runa Daniel², Simon Walsh³, ¹National Centre for Forensic Studies, Faculty of Applied Science, University of Canberra, ACT, Australia, ²Centre for Forensic Science, University of Technology Sydney, NSW, Australia, ³Criminalistics and Identification Sciences, Australian Federal Police, ACT, Australia
- P 283 Partial forensic validation of a 16plex SNP assay for the inference of biogeographical ancestry**
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P 284 Forensic application of an individual ancestry index in Brazilian populations

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P 285 DRD2TaqI haplotypes in three urban Brazilian populations

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P 286 The Kurgan people from southern Siberia: What did they look like? Where did they come from?

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P 287 Forensic typing tests for 42 SNPs with two SNaPshot assays to predict common pigmentation trait variation in Europeans

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P 288 Analysis of CYP2D6 gene variation in Venezuelan population: implications for forensic toxicology

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P 289 CYP2D6 polymorphism studies: how forensic genetics helps clinical medicine

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P 290 Genetic susceptibility for addiction: searching of risk loci for the widespread drugs of abuse

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P 291 The Relevance Between Dopamine D3 Receptor Gene Variations and Drug Addiction

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P 292 Genetics of addiction in legal medicine and forensic investigation: SNPs variations associated with nicotine and cannabis dependence

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P 293 Changes of the Na⁺ and K⁺ channels levels in human heart failure and ischemia

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P 294 Considerations about mRNA extraction from post-mortem human heart

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P 295 The role of Cav3 gene in channelopathies

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P 296 Involvement of hypertrophic cardiomyopathy genes in Sudden Infant Death Syndrome (SIDS)

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P 297 Sequenom Massarray application in the Long QT Syndrome mutation detection

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P 298 Analysis of three major sarcomeric genes (MYH7, TNNT2, MYBPC3) in cardiomyopathy

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P 299 Forensic mitochondrial DNA analysis in HIV-infected patients treated with nucleoside reverse transcriptase inhibitors

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P 300 Loss of heterozygosity detected in a short tandem repeat (STR) locus in rheumatoid arthritis peripheral blood

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P 301 Single cell gel electrophoresis in determining DNA degradation: Potential for use in postmortem interval estimation and time since the deposition of blood stains

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P 302 Selective enrichment of human DNA from non-human DNAs for DNA typing of decomposed skeletal remains

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P 303 Reparation of degraded DNA improves PCR amplification of larger STR loci

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P 304 Increased discrimination power of forensic STR testing by liquid chromatography-mass spectrometry in rare autochthonous populations

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P 305 Analysis of DNA Forensic Markers Using High Throughput Mass Spectrometry

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P 306 Quantitative measurement of mtDNA heteroplasmy by electrospray ionization time of flight mass spectrometry (ESI-TOF-MS)

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P 307 Validation of Mass Spectrometry Analysis of mtDNA

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P 308 Enhanced resolution and statistical power through evaluation of SNPs distributed within the short tandem repeats utilizing mass spectrometry.

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P 309 Performance Comparison of ESI-MS and Sanger Sequencing on Five Chilean Sample Populations

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P 310 mRNA profiling for the identification of sperm and seminal plasma

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P 311 How specific are the vaginal secretion mRNA-markers HBD1 and MUC4?

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P 312 Influence of different parameters on the integrity of RNA extracted from human autopsy tissue

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P 313 RNA extraction in practice - comparison of four different RNA extraction methods and their impact on the RNA integrity in postmortem human tissue

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P 314 Human Tissue and Body Fluid Characterization Involving DNA Methylation Methods - Towards Forensic Epigenetics

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P 315 Multiplexed SNP Detection Panels for Human Identification

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P 316 Investigation of SNP haplotypes in the H19 imprinted gene

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P 317 SNPSTRs in caucasian and negroid populations.

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