



Poster Session 1

Wednesday, September 16 (11:15 – 12:30)

P 001 A review of low template STR analysis in casework using the DNA SenCE post-PCR technique

Jim Thomson¹, Theresa Gross², James Walker¹, ¹LGC Forensics, Teddington, Middlesex, United Kingdom, ²King's College London, London, United Kingdom

P 002 Increased Capillary Electrophoresis Injection Settings as an Efficient Approach to Increase the Sensitivity of STR Typing

Antoinette Westen¹, Jord Nagel¹, Corina Benschop¹, Natalie Weiler¹, Bas de Jong¹, Titia Sijen¹, ¹Netherlands Forensic Institute, the Hague, Netherlands

P 003 Modification of a commercially available kit for the improvement of PCR efficiency

Ai Hua Zhang¹, Seung Bum Seo¹, Jin A YI¹, Hye Young Lee¹, Hye Yeon Kim¹, Soong Deok Lee¹, ¹Seoul National University, Seoul, Korea, Republic of

P 004 When anthropometry fails: Fingerprint genotyping

Gabriel Petridis¹, S. Sebnem Ozcan¹, E. Hulya Yukseloglu¹, Ersi Abaci Kalfoglou^{1,2}, Sevil Atasoy^{1,2}, ¹Istanbul University Institute of Forensic Sciences, Istanbul, Turkey, ²International Forensic Science Services, Istanbul, Turkey

P 005 Characteristics of a Modified STR Amplification Approach for Severely Degraded Skeletal Elements

Jodi A. Irwin¹, Odile Loreille¹, Rebecca S. Just¹, Thomas J Parsons², ¹Armed Forces DNA Identification Laboratory, Rockville, MD, United States, ²International Commission on Missing Persons, Sarajevo, Bosnia and Herzegovina

P 006 Evaluation of reliability of STR typing in human colon carcinomas tissues used for identification purpose

chengtao li¹, li li¹, ¹Institute of Forensic Sciences, Ministry of Justice, P.R.China, shanghai, China

P 007 Three allele pattern in immortalized cell line detected by STR typing

Jina Yi¹, Ai Hua Zhang¹, Seung Bum Seo¹, Hye Yeon Kim¹, Hye Young Lee¹, Soong Deok Lee¹, ¹Seoul National University College of Medicine, Department of Forensic Medicine, Seoul, Korea, Republic of

P 008 Effect of low-dose radiation on mutation rates of STR loci commonly used in forensic casework.

Vladimir A. Orekhov¹, Gadji O. Shaikhaev², Anna V. Aghajanyan³, Margarita V. Zakharenko³, Galina P Snigiryova³, ¹Russian Center of Forensic medical Expertise, Moscow, Russian Federation, ²OOO IsoGen, Moscow, Russian Federation, ³Federal State Institution "Russian Scientific Center of Roentgeno - Radiology" of Federal Agency for High-Tech Medical Care, Moscow, Russian Federation



- P 009 Allelic Alterations of STRs in Archival Paraffin Embedded Tissue as DNA Source for Paternity Testing**
Yan Liu¹, ¹Institute of Forensic Science, Ministry of Justice, Shanghai, PRC, China
- P 010 The STR Profiling in Formalin Fixed and Paraffin Embedded Tissues**
LIU Yan¹, LI Ly¹, ZHAO Zhenmin¹, ¹Institute of forensic science, Shanghai, China
- P 011 Forensic STR Analysis Reveals DNA Contamination Previously Undetected During Clinical Analysis of Chronically Inflamed Tissues**
Grace Axler-DiPerte¹, Elisa Wurmbach¹, Zoran Budimlija¹, Bo Jian², Franz Fogt², Mechthild Prinz¹, ¹New York City Office of Chief Medical Examiner, Department of Forensic Biology, New York, NY, United States, ²University of Pennsylvania Health System, Department of Pathology and Laboratory Medicine, Philadelphia, PA, United States
- P 012 Validation of the MiniFiler Kit in archaeological samples**
Cristina Gamba¹, Carlos Baeza¹, Eva Fernández¹, Mirian Tirado¹, Ana María López-Parra¹, Eduardo Arroyo-Pardo¹, ¹Universidad Complutense de Madrid, Madrid, Spain
- P 013 Analysis of AmpF/STR[®] MiniFiler[™] loci and its forensic application**
Shigeki Nakamura¹, Chikako Murakami¹, Kazuho Maeda¹, Masamune Kobayashi¹, Wataru Irie¹, Bunta Wada¹, Maiko Hayashi¹, Chizuko Sasaki¹, Masataka Furukawa¹, Katsuyoshi Kurihara¹, ¹Department of Legal Medicine, Kitasato University School of Medicine, Sagamihara, Japan
- P 014 Development of two new miniSTR multiplexes assay for typing archival Bouin's fluid-fixed paraffin-embedded tissues**
Stefania Turrina¹, Giulia Filippini¹, Luciana Caenazzo², Domenico De Leo¹, ¹Department of Medicine and Public Health, Institute of Legal Medicine, University of Verona, Verona, Italy, ²Department of Environmental Medicine and Public Health, Legal Medicine Section, University of Padua, Padova, Italy
- P 015 MiniSTR concept - Q11**
Kathrin Müller¹, Günter Braunschweiger², Rachel Klein¹, Erich Miltner¹, Peter Wiegand¹, ¹Institute of Legal Medicine, Ulm, Germany, ²genFor GmbH, Graftschaff-Gelsdorf, Germany
- P 016 Characterization of NonCodis Mini STR loci on hair, fingerprint and ancient bone samples**
Gergely Nagy¹, Franciska Könczöl¹, László Márk², Antal Kricskovics¹, Anikó Harta¹, András Huszár¹, István Bajnoczky¹, ¹Institute of Forensic Medicine, Medical School, University of Pécs, Pecs, Hungary, ²Department of Biochemistry and Medical Chemistry, Medical School, University of Pécs, Pécs, Hungary
- P 017 PowerPlex[®] 16 HS System: Increases to Genotyping Success Rates**
Carla Abdo¹, Lotte Downey¹, Martin Ensenberger¹, Patricia Fulmer¹, ¹Promega Corporation, Madison, WI, United States



- P 018 Concordance Testing with New STR Kits**
Carolyn R. Hill¹, John M. Butler¹, Cynthia J. Sprecher², Robert S. McLaren², Dawn R. Rabbach², Benjamin E. Krenke², Douglas R. Storts², ¹*National Institute of Standards and Technology, Gaithersburg, MD, United States*, ²*Promega Corporation, Madison, WI, United States*
- P 019 The Single Most Polymorphic STR Locus: SE33 Performance in U.S. Populations**
John M. Butler¹, Carolyn R. Hill¹, Margaret C. Kline¹, Cynthia J. Sprecher², Robert S. McLaren², Dawn R. Rabbach², Benjamin E. Krenke², Douglas R. Storts², ¹*National Institute of Standards and Technology, Gaithersburg, MD, United States*, ²*Promega Corporation, Madison, WI, United States*
- P 020 Development and Validation of a Next Generation-STR Pentaplex**
Christopher Phillips¹, Anna Barbaro^{1,2}, Luis Fernandez Formoso¹, David Ballard³, Denise Syndercomber Court³, Angel Carracedo¹, Maviky Lareu¹, ¹*Forensic Genetics Unit, Institute of Legal Medicine, University of Santiago de Compostela, Spain, Santiago de Compostela, Spain*, ²*Department of Forensic Genetics, SIMEF, Reggio Calabria, Italy*, ³*Centre for Haematology, Institute of Cell and Molecular Sciences, Queen Mary's School of Medicine and Dentistry, University of London, London, United Kingdom*
- P 021 Validation of the AmpF ℓ STR SEfiler Plus kit for forensic STR analysis.**
Stine Frisk Fredslund¹, Helle Smidt Mogensen¹, Niels Morling¹, ¹*University of Copenhagen, Copenhagen, Denmark*
- P 022 Uses of the NIST 26plex STR Assay for Human Identity Testing**
Peter Vallone¹, Carolyn Hill¹, Kristen Lewis², Michael Coble³, John Butler¹, ¹*U.S. National Institute of Standards and Technology, Maryland, United States*, ²*University of Washington, Washington, United States*, ³*U.S. Armed Forces DNA Identification Laboratory, Maryland, United States*
- P 023 Improved Genotyping Performance of Complex Multiplexes on Inhibited DNA Mixtures**
Chien-Wei Chang¹, Robert Lagace¹, Julio Mulero¹, Lisa Calandro¹, Lori Hennessy¹, ¹*Life Technologies, Foster City, CA, United States*
- P 024 Construction of Four Fluorescence labeled Multiplex Typing System for D9S1122/D10S1435/D17S1301 MiniSTR Loci and Evaluation of Its Forensic Application**
Xia Guo¹, Shujin Li¹, Bin Cong¹, Xue Bai¹, Lihong Fu¹, Xia Li¹, ¹*Department of Forensic Medicine, Hebei Medical University, Shijiazhuang, Hebei Province, China*
- P 025 Construction and application of four fluorescence labeled multiplex typing system for 3 miniSTR loci**
Ning Liu¹, Shujin Li¹, Bin Cong¹, Xue Bai¹, Lihong Fu¹, Jianli Gu¹, ¹*Department of Forensic Medicine, Hebei Medical University, Shijiazhuang, Hebei Province, China*
- P 026 Development of two new autosomal STR multiplex systems as a supplemental tool with other commercial kits.**
Kwang Man Woo¹, Seung Hwan Lee¹, AiHua Zhang², Soong Deok Lee², ¹*Supreme Public Prosecutor's Office, Seoul, Korea, Republic of*, ²*Seoul National College of Medicine, Seoul, Korea, Republic of*



- P 027 Automation of statistical interpretation with R Software applied to validation of AmpFISTR® Next Generation Multiplex™ (Applied Biosystems)**
Laurent PENE¹, Alexandra DEBERNARDI¹, Elodie SUZANNE¹, Anne-Béatrice DUFOUR², Jean LOBRY², ¹Institut National de Police Scientifique Laboratoire de Lyon, Ecully, France, ²Laboratoire de Biométrie et Biologie Evolutive UMR 5558 CNRS - Université Lyon1, Villeurbanne, France
- P 028 Power Plex 16 HS®: Internal validation of a new tool for genetic analysis of forensic and parentage testing**
Mary Acosta¹, Gerson Caraballo¹, Karen Sánchez¹, Howard Takiff¹, ¹IVIC, Miranda, Venezuela
- P 029 Integration of the AmpFISTR Identifiler PCR Amplification Kit with SRY-specific primers for gender identification.**
Serena Inturri¹, Carlo Robino¹, Sarah Gino¹, Stefano Caratti¹, Carlo Torre¹, ¹Laboratory of Criminalistic Sciences, Department of Anatomy, Pharmacology and Legal Medicine, University of Turin, Turin, Italy
- P 030 Development of PCR Internal controls (PICs) for STR Profiling**
Nathalie Zahra¹, Sibte Hadi¹, Arati Iyengar¹, Judith Smith¹, William Goodwin¹, ¹University of Central Lancashire, Preston, United Kingdom
- P 031 Observation of triallelic patterns in autosomal STRs during routine casework**
Gerhard Mertens¹, Steven Rand¹, Els Jehaes¹, Gitte Leijnen¹, Els Cardoen¹, Isabelle De Bruyn¹, Nadia Mommers¹, Kristien Van Brussel¹, Werner Jacobs¹, ¹Antwerp University Hospital, Edegem, Belgium
- P 032 Characterisation of twelve new alleles in the D18S51 STR system**
Ana Morales-Valverde¹, Sandra Silva¹, Gladys Núñez-Rivas¹, Marta Espinoza¹, ¹Departamento de Ciencias Forenses, Organismo de Investigación Judicial, Heredia, Costa Rica, ²Centro de Investigaciones en Biología Celular y Molecular, Universidad de Costa Rica, San José, Costa Rica
- P 033 Further allelic variation at the STR-loci ACTBP2 (SE33), D3S1358, D8S1132, D18S51 and D21S11**
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 034 A X-chromosome STR hexaplex as a powerful tool in deficiency paternity cases**
Juliana Aquino¹, Carla Peixe¹, Dayse Silva^{1,2}, Celso Tavares^{1,3}, Elizeu Carvalho¹, ¹State University of Rio de Janeiro - Institute of Biology - DNA Diagnostic Laboratory, Rio de Janeiro, RJ, Brazil, ²State University of Rio de Janeiro - Faculty of Medicine, Rio de Janeiro, RJ, Brazil, ³State University of Rio de Janeiro - Institute of Biology - DBC, Rio de Janeiro, RJ, Brazil
- P 035 Optimization and Validation Studies of The Mentype® Argus X-8 kit for Forensic Cases**
Erhan Acar¹, Gonul Filoglu¹, Havva Altuncul¹, Ozlem Bulbul¹, Doruk Argac¹, M. Saqib Shahzad¹, ¹Institute of Forensic Sciences, Istanbul University, Istanbul, Turkey



- P 036 Sequence polymorphisms at the DXS6789, DXS8377 and DXS101 loci in three Asian populations**
Atsushi Nagai¹, Masaaki Hara², Akira Kido^{2,3}, Aya Takada², Kazuyuki Saito², Yasuo Bunai¹, ¹Gifu University, Gifu, Gifu, Japan, ²Saitama Medical University, Iruma, Saitama, Japan, ³Nagoya Isen, Nagoya, Aichi, Japan
- P 037 Updated allelic structures of the DXS10135 and DXS10078 STR loci**
Denilce Sumita¹, Martin Whittle¹, ¹Genomic Engenharia Molecular, São Paulo, SP, Brazil
- P 038 Y-STR analysis of degraded DNA using a reduced size amplicon multiplex**
Marina Nastaynzik¹, Manfred Kleiber¹, Uta-Dorothee Immel¹, ¹Department of Legal Medicine, Martin-Luther University Halle-Wittenberg, Halle/Saale, Germany
- P 039 Unexpected patterns in Y-STR analyses and implications for profile identification**
Ilaria Carboni¹, Ugo Ricci¹, ¹Medical Genetics Unit, "A. Meyer" Hospital, Florence, Italy
- P 040 Validation of the new Y-miniplex system for use in forensic casework**
Hye Hyun Oh¹, Nam Yul Kim¹, Na Young Kim¹, Jong Yeol Kim¹, Kyoung Jin Shin¹, Seung Hwan Lee¹, ¹Supreme Prosecutors' Office, Seoul, Korea, Republic of
- P 041 Development and evaluation of multiplex Y-STR assays for application in molecular genealogy**
Manon Jacobs¹, Lynn Janssen¹, Nancy Vanderheyden¹, Bram Bekaert¹, Wim Van de Voorde¹, Ronny Decorte^{1,2}, ¹U.Z. Leuven, Department of Forensic Medicine, Laboratory of Forensic Genetics and Molecular Archaeology, Leuven, Belgium, ²K.U. Leuven, Department of Human Genetics, Leuven, Belgium
- P 042 Y- STR mutational rates determination in South Portugal Caucasian population.**
Cláudia Vieira-Silva¹, Paulo Dario¹, Teresa Ribeiro¹, Isabel Lucas¹, Rosa Espinheira¹, ¹Forensic Genetics Laboratory, National Institute of Legal Medicine-South Branch, Lisboa, Portugal
- P 043 Moving from male lineage characterization to male individual identification using Y-chromosome DNA-analysis**
Kaye Ballantyne¹, Miriam Goedbloed¹, Ying Choi¹, Rixun Fang², Manohar Furtado², Manfred Kayser¹, ¹Department of Forensic Molecular Biology, Erasmus University Medical Center Rotterdam, Rotterdam, Netherlands, ²Research Division of Applied Markets, Applied Biosystems Inc, Foster City, United States
- P 044 Adaptation and evaluation of the PrepFiler™ DNA extraction technology in an automated forensic DNA analysis process with emphasis on DNA yield, inhibitor removal and contamination security**
Peter Zimmermann¹, Kai Vollack¹, Barbara Haak¹, Michelle Bretthauer¹, Andrea Jelinski¹, Marga Kugler¹, Jessica Loidl¹, Werner Pflug¹, ¹Landeskriminalamt Baden-Wuerttemberg, 70372 Stuttgart, Germany



P 045 Validated Automated Systems - LGC Introduces Change the Easy Way

Kate Jackson¹, Louise Rawling¹, ¹LGC, Runcorn, Cheshire, United Kingdom

P 046 A Dedicated Automated System for Extraction, Quantification and STR Amplification of Forensic Evidence Samples

James Stray¹, Vivian Nguyen¹, Jacquelyn Benfield¹, Rixun Fang¹, Maxim Brevnov¹, Lynda Treat-Clemons², Gregory Porter³, Manohar Furtado¹, Jaiprakash Shewale¹, ¹Applied Biosystems, Foster City, CA, United States, ²Tecan Systems Inc., San Jose, CA, United States, ³Tecan Systems Inc., Research Triangle Park, NC, United States

P 047 Automated quantifiler® quantitative PCR setup, template normalization and PCR setup using HID EVolution™ qPCR/STR setup on trace evidence samples.

Benjamin H. Eriksen¹, Michael Stangegaard¹, Tobias G. Frøslev¹, Anders J. Hansen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, Uni-versity of Copenhagen, Copenhagen, Denmark

P 048 Automated extraction of DNA from reference samples from various types of biological materials on the Qiagen BioRobot® EZ1

Michael Stangegaard¹, Mads Jørgensen¹, Anders J. Hansen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark

P 049 Automated washing of FTA-card punches and PCR setup for reference samples using a LIMS-controlled Sias Xantus Automated Liquid Handler

Michael Stangegaard¹, Addie N. Olsen¹, Tobias G. Frøslev¹, Anders J. Hansen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark

P 050 Automated extraction of DNA and PCR setup using a Tecan Freedom EVO® liquid handler

Michael Stangegaard¹, Tobias G. Frøslev¹, Rune Frank-Hansen¹, Susan S. Laursen¹, Mads Jørgensen¹, Anders J. Hansen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark

P 051 Customizing a commercial laboratory information management system for a forensic laboratory

Addie N. Olsen¹, Lynge C. Christensen¹, Steffen J. Nielsen¹, Charlotte Hallenberg¹, Rune Frank-Hansen¹, Bo T. Simonsen¹, Claus Børsting¹, Torben M. Madsen¹, Michael Stangegaard¹, Sigrun Dalsgaard¹, Anders J. Hansen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark

P 052 The Fully Automated DNA Extraction with the QIASymphony SP – Validation and first experiences in Forensic Case Work

Marion Nagy¹, Corinna Hahne¹, Bärbel Henske¹, Carmen Krüger¹, Petra Anders¹, Michael Tsokos¹, Lutz Roewer¹, ¹Institute of Legal Medicine, Berlin, Germany



- P 053 A Production system to generate Genetic Database information from Buccal Swab cells on FTA® Paper**
Laurent Baron¹, ¹Hamilton Robotics, Bonaduz, Switzerland
- P 054 Successful STR and SNP typing of FTA-card samples with low amounts of DNA after DNA extraction using a Qiagen BioRobot® EZ1**
Eszter Rockenbauer¹, Claus Børsting¹, Michael Stangegaard¹, Rune Frank-Hansen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark
- P 055 Automated DNA extraction of forensic samples using the QIASymphony platform : estimations of DNA recovery and PCR inhibitor removal**
Christian Gehrig¹, Delphine Kummer¹, Vincent Castella¹, ¹Forensic Genetics Unit, University Center of Legal Medicine, Geneva and Lausanne, Switzerland
- P 056 Automated reaction setup of quantitation PCR, STR and capillary electrophoresis on the QIAgility**
Mario Scherer¹, Claudia Schmid¹, Claudia Dienemann¹, Dagmar Herold¹, Holger Engel¹, Thomas Schnibbe¹, ¹Qiagen, Hilden, Germany
- P 057 Performance evaluation of the new EZ1 Advanced XL for forensic applications**
Mario Scherer¹, Holger Engel¹, Dagmar Herold¹, Thomas Schnibbe¹, Dico van Meertens², ¹Qiagen, Hilden, Germany, ²NFI, GB's-Gravenhage, Netherlands
- P 058 Efficiency of DNA IQ System in recovering semen DNA from cotton swabs**
Andrea G Colussi¹, Mariana Viegas¹, Julieta Beltramo¹, María Mercedes Lojo¹, ¹Laboratorio de Análisis Comparativo de ADN- Asesoría Pericial La Plata- Suprema Corte de Justicia de la Provincia de Buenos Aires, La Plata, Prov. Buenos Aires, Argentina
- P 059 A Novel Platform for the Modular Integration of Forensic Assay Setup and Medium- to High-Throughput Purification of Nucleic Acids**
Mario Scherer¹, Lesley Clifford², Matthew Walker², Thomas Schnibbe¹, Holger Engel¹, ¹QIAGEN GmbH, Hilden, Germany, ²Orchid Cellmark, Abingdon, Oxfordshire, United Kingdom
- P 060 Results of the 2009 Paternity Testing Workshop of the English Speaking Working Group**
Susanne Lunøe Friis¹, Charlotte Hallenberg¹, Bo Thisted Simonsen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark



P 061 Results of the 2008 Colombian Paternity Testing Quality Control Exercise

Juan José Builes^{1,11}, Andrea Manrique¹, Yecith Puerto¹, Diana Aguirre¹, Anibal Gaviria², Adriana Castillo³, William Usaquén⁴, Leonardo Beltrán⁵, Dayssa-Lorena Sánchez⁶, Cielo-Rocio Pineda⁷, Dayana Suárez⁸, Angel Carracedo⁹, Leonor Gusmão¹⁰, María-Luisa Bravo¹, ¹Laboratorio Genes Ltda, Medellín, Colombia, ²Laboratorio de Genética Molecular, Cruz Roja Ecuatoriana, Quito, Ecuador, ³Laboratorio de Genética, Universidad Industrial de Santander, Bucaramanga, Colombia, ⁴Grupo de Genética de Poblaciones e Identificación, Universidad Nacional de Colombia, Bogotá, Colombia, ⁵Laboratorio de Genética Médica, Universidad Tecnológica de Pereira, Pereira, Colombia, ⁶Laboratorio Genética Molecular de Colombia, Bogotá, Colombia, ⁷Laboratorio de Identificación Humana, Universidad Manuela Beltrán, Bogotá, Colombia, ⁸Laboratorio de Biología Molecular, Fundación Arthur Stanley Gillow, Bogotá, Colombia, ⁹Institute of Legal Medicine, Genomics Medicine Group, University of Santiago de Compostela, A Coruña, Spain, ¹⁰IPATIMUP Institute of Pathology and Molecular Immunology, University of Porto, Porto, Portugal, ¹¹Instituto de Biología, Universidad de Antioquia, Medellín, Colombia

P 062 Sequencing of mitochondrial DNA and the problem of human specificity

Rebecca Renneberg¹, Ben Krause-Kyora¹, Melanie Röpke¹, Thorsten Schwark¹, Eva Simeoni¹, Anke Heinrich¹, Nicole von Wurmb-Schwark¹, ¹Institute of Legal Medicine - University of Kiel, Kiel, Germany

P 063 A new technology in mtDNA Sequencing: success rates vs time

Filipa Balsa¹, Lisa Andrade¹, Mónica Carvalho¹, Armando Serra¹, Virgínia Lopes¹, Ana Margarida Bento¹, Heloísa Afonso Costa¹, Clara Oliveira¹, Luísa Batista¹, Maria João Anjos¹, Francisco Corte-Real^{2,3}, ¹Forensic Genetics 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 064 Optimization and Validation of 10 Mitochondrial DNA SNPs using SNaPshot Kit

Doruk Argac¹, Ozlem Bulbul¹, M. Saqib Shahzad¹, Erhan Acar¹, Havva Altuncul¹, Gonul Filoglu¹, ¹Institute of Forensic Sciences, Istanbul University, Istanbul, Turkey

P 065 MTextpert™, an Automated Software System for Forensic Mitochondrial DNA Data Analysis

Bobi K Den Hartog¹, John W Elling¹, Russell B Kepler¹, ¹MitoTech, LLC, Santa Fe, NM, United States

P 066 Comparison of the Plexor® HY System, Quantifiler and Quantifiler Duo Kits using the Roche LightCycler 480 System and the ABI 7900 Real time PCR Instrument

Burkhard Rolf¹, Nicole Bulander¹, ¹Eurofins Medigenomix GmbH, Ebersberg, Germany

P 067 Quantifiler™ Human DNA Quantification Kit (AB) as a screening kit for DNA profiling

Anna Kremser¹, Birgit Bayer¹, Sabine Jung¹, Katja Anslinger¹, ¹Institute of Legal Medicine, Munich, Germany



- P 068 Direct quantitation of genomic DNA from saliva spotted FTA[®] by Real-Time PCR**
Su Jeong Park¹, Jong Yeol Kim², Young Geun Yang², Seung Hwan Lee¹,
¹Supreme Prosecutors' Office, Seoul, Korea, Republic of, ²BioQuest, Inc, Seoul, Korea, Republic of
- P 069 Fast PCR amplification of AmpFISTR Identifiler (2nd report)**
Kazuhiko Tsukada¹, Yuta Harayama¹, Maiko Shimizu¹, Yishinobu Kurasawa¹,
Koichi Kasahara¹, ¹Nagano Pref. Police H.Q., Nagano, Japan
- P 070 Rapid Amplification of Commercial STR Typing Kits**
Peter Vallone¹, Carolyn Hill¹, Daniele Podini², John Butler¹, ¹U.S. National Institute of Standards and Technology, Maryland, United States, ²The George Washington University, Washington D.C., United States
- P 071 Direct Amplification of STRs from Blood or Buccal Cell Samples**
Dennis Wang¹, Chien-Wei Chang¹, Nicola Oldroyd¹, Lori Hennessy¹, ¹Life Technologies, Foster City, CA, United States
- P 072 Rapid STR analysis of single source DNA samples in 2 hours**
Lori Hennessy¹, Dennis Wang¹, ¹Life Technologies, Foster City, CA, United States
- P 073 Preliminary trials of low volume (1µl) PCR amplification using AmpliGrid (AG480F) slides.**
Runa Daniel¹, Adam Poy¹, Natalie Pedersen¹, Skye Thorpe¹, Roland van Oorschoot¹, ¹Forensic Biology Division, Victoria Police Forensic Services Centre, Melbourne, Victoria, Australia
- P 074 Validation of a microchip electrophoresis system as a DNA amplification control**
Bram Bekaert¹, Monique Coomans¹, Katleen Knaepen¹, Lucie Larno¹, Nathalie Thijs¹, Elisabeth Vanhoutte¹, Van de Voorde Wim¹, Decorte Ronny^{1,2}, ¹U.Z. Leuven, Department of forensic Medicine, Laboratory of Forensic genetics and Molecular Archaeology, Leuven, Belgium, ²K.U.Leuven, Department of Human Genetics, Leuven, Belgium
- P 075 MiniSTRs: a powerful tool to identify genetic profiles in samples with small amounts of DNA**
Virgínia Lopes¹, Lisa Andrade¹, Mónica Carvalho¹, Armando Serra¹, Filipa Balsa¹, Ana Margarida Bento¹, Luísa Batista¹, Clara Oliveira¹, Joaquín Gamero^{1,4}, Francisco Corte-Real^{2,3}, Maria João Anjos¹, ¹Forensic Genetics 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, ⁴Faculty of Medicine, University of Cadiz, Cadiz, Spain
- P 076 Increased sensitivity for amplified STR alleles on capillary sequencers with BigDye[®] XTerminator[™]**
Lynn Janssen¹, Manon Jacobs¹, Nancy Vanderheyden¹, Bram Bekaert¹, Wim Van de Voorde¹, Ronny Decorte^{1,2}, ¹U.Z. Leuven, Department of Forensic Medicine, Laboratory of Forensic Genetics and Molecular Archaeology, Leuven, Belgium, ²K.U. Leuven, Department of Human Genetics, Leuven, Belgium



- P 077 DNA Typing From Lipstick Prints Left On The Skin**
Anna Barbaro¹, Patrizia Cormaci¹, Aldo Barbaro², ¹Dept. Forensic Genetics-SIMEF, Reggio Calabria (RC), Italy, ²Director-SIMEF, Reggio Calabria (RC), Italy
- P 078 SNPs in Paternity Investigations: The Simple Future**
Paulo Dario^{1,2}, Teresa Ribeiro¹, Rosa Espinheira¹, Helena Geada^{1,2}, ¹National Institute of Legal Medicine – South Branch, Lisbon, Portugal, ²Faculty of Medicine, University of Lisbon, Lisbon, Portugal
- P 079 Internal validation of 29 autosomal SNP-multiplex with ABI 310 Genetic Analyzer**
Ozlem Bulbul¹, Chris Phillips², Doruk Argac¹, M Saqib Shahzad¹, Erhan Acar¹, Gonul Filoglu¹, Havva Altuncu¹, ¹Institute of Forensic Sciences, Istanbul University, Istanbul, Turkey, ²University de Santiago de Compostela, Santiago de Compostela, Spain
- P 080 ABO Genotyping by Duplex Amplification and Oligonucleotide Probes Hybridization**
Li Li¹, Li Cheng-tao¹, Liu Yan¹, Lin Yuan¹, ¹Institute of Forensic Sciences, Ministry of Justice, P.R.China, Shanghai, China
- P 081 Comparative analysis of ABO genotyping and serological typing in Northern Chinese Han Population**
Xianhua Jiang¹, ¹Criminal Science & Technology Institute of Liaoning Province, Liaoning Province, China
- P 082 Rapid ABO genotyping directly from fresh blood, hair and stains of blood and buccal epithelial cells**
Myung Jin Park¹, Hwan Young Lee^{1,2}, Na Young Kim¹, Woo Ick Yang¹, Kyoung-Jin Shin^{1,2}, ¹Department of Forensic Medicine and Brain Korea 21 Project for Medical Science, Yonsei University College of Medicine, Seoul, Korea, Republic of, ²Human Identification Research Center, Yonsei University, Seoul, Korea, Republic of
- P 083 Trace DNA Success Rates Relating to Volume Crime Offences.**
Jennifer Raymond^{1,2}, Roland van Oorschot³, Simon Walsh⁴, Peter Gunn², Claude Roux¹, ¹University of Technology, Sydney, NSW, Australia, ²NSW Police Force Forensic Services Group, Sydney, NSW, Australia, ³Victoria Police Forensic Services Centre, Melbourne, VIC, Australia, ⁴Australian Federal Police Forensic & Data Centres, Canberra, ACT, Australia
- P 084 Biological And DNA Evidence In 1000 Sexual Assault Cases.**
France Gingras¹, Caroline Paquet¹, Martine Bazinet¹, Dominic Granger¹, Karine Marcoux-Legault¹, Diane Séguin¹, Maria Fiorillo¹, Josée Noël¹, Franziska Baltzer², Claude Chamberland¹, Christine Jolicoeur¹, ¹Laboratoire de sciences judiciaires et de médecine légale, Ministère de la Sécurité Publique, Gouvernement du Québec, Montréal, Québec, Canada, ²Montreal Children Hospital, Montréal, Québec, Canada
- P 085 Male DNA recovery from different type of evidences in 300 cases of sexual assault**
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- P 086 Sexual assault cases related to unknown perpetrator: almost 50% of the analyzed cases corresponded to serial offenders**
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- P 087 Female DNA traces - it's not always the offender!**
Franz Neuhuber¹, Bettina Dunkelmann¹, ¹Institute of Legal Medicine, Salzburg, Austria
- P 088 Analysis of Forensic samples in Banco Nacional de Datos Genéticos**
Oscar Alberto Santapá¹, Sergio Fernando Valente¹, Sandra Evangelina Filippini¹, María Belén Rodríguez Cardozo¹, ¹Banco Nacional de Datos Genéticos, Buenos Aires, Argentina
- P 089 Paternity investigation experience with a 40 autosomal SNP panel**
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- P 090 DNA profile evidence in complex disputed paternity cases: The analysis of 200 real cases**
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- P 091 Supplementary Markers for Deficient Immigration Cases: Additional STRs or SNPs?**
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- P 092 A study of Argentinian attitudes regarding the custody and use of forensic DNA databases**
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- P 093 Genotyping of DNA samples under adverse conditions of Low Copy Number - LCN (Formolisados Tissue samples and embedded in paraffin)**
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- P 094 STR genotyping of DNA extracted from used Triage kits**
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- P 095 Post-coital vaginal sampling with nylon-flocked swabs improves DNA typing**
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- P 096 Extraction of High Quality DNA from Biological Materials and Calcified Tissues**
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- P 097 Effect of Blood Stained Soils and Time Period on DNA and Allele drop out using Promega 16 Powerplex® Kit**
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- P 098 Prevalence of mixed DNA profiles in fingernail swabs from autoptic cases**
Nicoletta Cerri¹, Andrea Verzeletti¹, Venusia Cortellini¹, Alice Cincotta¹, Francesco De Ferrari¹, ¹*Department of Forensic Medicine - University of Brescia, Brescia, Italy*
- P 099 Standardization of teeth sampling for DNA analysis from decomposing bodies before soft tissue removal regarding anthropological analysis.**
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- P 100 Analysis of DNA profiles extracted from degraded samples from archival of formalin fixed tissue included in paraffin (FFTIP) and hairs**
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P 101 Genetic identification of degraded DNA samples buried in different types of soil

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P 102 Utility validation of extraction of genomic DNA from hard tissues, bone and nail, using PrepFiler™ Forensic DNA Extraction Kit

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P 103 A new approach in the identification of degraded paternity samples

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P 104 High yield DNA extraction from bones using a full demineralization approach

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P 105 Validation of a new magnetic particle-based method (PrepFiler™ Forensic DNA Extraction Kit) for rapid extraction of high quality DNA from a wide variety of forensic samples

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P 106 The tooth - an approach for DNA extraction

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P 107 A small change in the standard extraction method in order to obtain better results

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P 108 STR and SNP Analysis of human DNA from *Lucilia sericata* larvae's gut contents

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P 109 The transfer of human DNA by *Lucilia* blowflies

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P 110 Room temperature preservation and transportation of reference and trace DNA swabs

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