



Oral Session II-2

Thursday, September 17 (16:30 – 18:00)

O 19 16:30 Tri-allelic SNP markers enable analysis of mixed and degraded DNA samples

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O 20 16:41 A New SNP Assay for Human Identification of Highly Degraded DNA

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O 21 16:52 SNP typing of forensic samples with the GenPlex™ HID System: A collaborative study

Carmen Tomas¹, Michael Stangegaard¹, Claus Boersting¹, Helle Smidt¹, Stine Frisk Fredslund¹, Peter M Schneider², Angel Carracedo³, Hoff-Olsen Per⁴, Bertil Lindblom⁵, Cordula Haas⁶, Ingo Bastisch⁷, Toineke Westen⁸, Denise Syndercombe Court⁹, Mechthild Prinz¹⁰, Peter M Vallone¹¹, Rixun Fang¹², Michael D Coble¹³, Art Eisenberg¹⁴, Anders J Hansen¹, Niels Morling¹, ¹Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen and the SNPforID Consortium, Copenhagen, Denmark, ²Institute of Legal Medicine, University Hospital, Cologne, Germany, ³Facultad de Medicina y Odontología, Santiago de Compostela, Spain, ⁴Institute of Forensic Medicine, University of Oslo, Rikshospitalet, Oslo, Norway, ⁵Department of Forensic Genetics and Forensic Toxicology, Linköping, Sweden, ⁶Institut für Rechtsmedizin, Universität Zürich, Zürich, Switzerland, ⁷Bundeskriminalamt, Wiesbaden, Germany, ⁸Human Biological Trace Research, NFI, The Hague, Netherlands, ⁹Center for Haematology, Institute of Cell and Molecular Sciences, Bart and The London, London, United Kingdom, ¹⁰New York City Office of Chief Medical Examiner, Department of Forensic Biology, New York, NY, United States, ¹¹National Institute of Standards and Technology, Gaithersburg, MD, United States, ¹²Applied Biosystems, a part of Life Technologies, Foster City, CA, United States, ¹³Armed Forces DNA Identification Laboratory, Armed Forces Institute of Pathology, Rockville, MD, United States, ¹⁴UNT Center for Human ID, Fort Worth, TX, United States



O 22 17:03 A panel of X chromosomal Indel-Polymorphism are useful in typing of degraded DNA

Sandra Hering¹, Christa Augustin², Reinhard Szibor³, Jeanett Edelmann⁴, ¹*Institute of Legal Medicine, Technical University Dresden, Dresden, Germany*, ²*Institute of Legal Medicine, University-Hospital Hamburg-Eppendorf, Hamburg, Germany*, ³*Institute of Legal Medicine, Otto-von-Guericke-University Magdeburg, Magdeburg, Germany*, ⁴*Institute of Legal Medicine, University of Leipzig, Leipzig, Germany*

O 23 17:14 Insertion deletion polymorphisms: a multiplex assay and forensic applications

Rui Pereira^{1,2}, Christopher Phillips², Cíntia Alves¹, António Amorim^{1,3}, Ángel Carracedo^{2,4}, Leonor Gusmão¹, ¹*IPATIMUP - Institute of Molecular Pathology and Immunology of the University of Porto, Porto, Portugal*, ²*Institute of Legal Medicine, University of Santiago de Compostela, Santiago de Compostela, Spain*, ³*Faculty of Sciences of the University of Porto, Porto, Portugal*, ⁴*Genomics Medicine Group, CIBERER, University of Santiago de Compostela, Santiago de Compostela, Spain*

O 24 17:25 The Combination of Single Cell Micromanipulation with LVPCR System and Its Application in Forensic Science

Lan Hu¹, Cai-xia Li¹, Bing Qi², An-quan Ji¹, Xiu-lan Xu¹, ¹*Institute of Forensic Science, Ministry of Public Security, Beijing, China*, ²*Chinese Peoples Public Security University, Beijing, China*

O 26 17:47 Application of full mitochondrial genome sequencing using 454 GS FLX pyrosequencing

Martin Mikkelsen¹, Eszter Rockenbauer¹, Andrea Wächter¹, Liane Fendt², Bettina Zimmermann², Walther Parson², Sandra Abel Nielsen³, Tom Gilbert³, Eske Willerslev³, Niels Morling¹, ¹*Section of Forensic Genetics, Department of Forensic Medicine, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark*, ²*Institute of Legal Medicine, Innsbruck Medical University, Innsbruck, Austria*, ³*Natural History Museum of Denmark, University of Copenhagen, Copenhagen, Denmark*