



ORAL SESSION I-2

Wednesday, September 16 (16:30 – 18:00)

O 06 16:30 The diversified genetic landscape of mountain areas: high-resolution sampling and analysis of Y-chromosomal variation in Tyrol (Austria)

Burkhard Berger¹, Daniel Erhart¹, Harald Niederstätter¹, Christoph Gassner², Harald Schennach², Walther Parson¹, ¹*Institute of Legal Medicine, Innsbruck Medical University, Innsbruck, Austria,* ²*Central Institute for Blood Transfusion and Division for Immunology, University Hospital, Innsbruck, Austria*

O 07 16:42 Inferring the demographic history of the last nomad hunter-gatherer population in Ecuador - the Waorani - using lineal and recombining DNA markers

Maria Geppert¹, Baeta Miriam³, Nunez Carolina³, Zweynert Sarah², Vacas Omar⁴, González-Solorzano Jorge⁵, Willuweit Sascha¹, Nagy Marion¹, Martínez-Jarreta Begona³, Krawczak Michael⁶, Gonzalez-Andrade Fabricio⁵, Roewer Lutz¹, ¹*Dept. Forensic Genetics, Institute of Legal Medicine and Forensic Sciences, Charité - Universitätsmedizin Berlin, Berlin, Germany,* ²*Clinics for Psychiatry, Charité - Universitätsmedizin Berlin, Berlin, Germany,* ³*Department of Legal Medicine, University of Zaragoza, Zaragoza, Spain,* ⁴*Catholic University of Ecuador, Quito, Ecuador,* ⁵*Hospital Metropolitano, Quito, Ecuador,* ⁶*Institut für Medizinische Informatik und Statistik, Universitätsklinikum Schleswig-Holstein, Kiel, Germany*

O 08 16:58 Multi-Continental Genetic Contributions to the Extant Population of Argentina as detected from autosomal, Y-chromosomal and mitochondrial DNA

Daniel Corach¹, Oscar Lao², Cecilia Bobillo¹, Kristiaan Van der Gaag³, Mark Vermeulen², Mannis Van Oven², Kate Van Duijn², Miriam Goedbloed², Peter M Vallone⁴, Walther Parson⁵, Peter De Knijff³, Manfred Kayser², ¹*Servicio de Huellas Digitales Genéticas and Cátedra de Genética y Biología Molecular, Faculty of Pharmacy and Biochemistry, University of Buenos Aires, Buenos Aires, Argentina,* ²*Department of Forensic Molecular Biology, Erasmus University Medical Center Rotterdam, Rotterdam, Netherlands,* ³*Department of Human Genetics, Leiden University Medical Center, Leiden, Netherlands,* ⁴*Biochemical Science Division, National Institute of Standards and Technology, Gaithersburg, United States,* ⁵*Institute of Legal Medicine, Innsbruck Medical University, Innsbruck, Austria*

O 0917:10 Development of a New Forensic STR Multiplex with Enhanced Performance for Degraded and Inhibited Samples

Julio Mulero¹, Robert Green¹, Nicola Oldroyd¹, Lori Hennessy¹, ¹*Applied Biosystems, Foster City, CA, United States*



- O 10 17:22 A Suite of New STR Systems Designed to Meet the Changing Needs of the DNA-Typing Community**
Lotte Downey¹, Carla Abdo¹, Doug Storts¹, Cindy Sprecher¹, Bob McLaren¹, Dawn Rabbach¹, Benjamin Krenke¹, Erin McCombs¹,
¹*Promega Corporation, Madison, WI, United States*
- O 11 17:34 Analysis of microRNA expression in forensically-relevant human body fluids**
Dmitry Zubakov¹, Antonius W.M. Boersma², Ying Choi¹, Erik A.C. Wiemer², Manfred Kayser¹, ¹*Department of Forensic Molecular Biology, Erasmus University Medical Center Rotterdam, Rotterdam, Netherlands*, ²*Department of Medical Oncology, Erasmus University Medical Center Rotterdam, Rotterdam, Netherlands*
- O 12 17:46 Identification of Forensically Relevant Body Fluids Using a Panel of Differentially Expressed microRNAs**
Erin Hanson¹, Helge Lubenow³, Jack Ballantyne^{1,2}, ¹*National Center for Forensic Science, Orlando, FL, United States*, ²*University of Central Florida, Department of Chemistry, Orlando, FL, United States*, ³*Qiagen, Hilden, Germany*



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