

ANZFSS 23rd International Symposium on the Forensic Sciences

18 - 22 September 2016 Auckland, New Zealand

Together InForming Justice

Monday 19 September

FIRMS / Isotope Analysis

Time	Title	Presenter
13:00 - 13:30	Plenary Session: Isoscapes and Isotope Forensics: adding people to the mix	Gabriel Bowen
13:30 - 13.50		
13:50 - 14:10	Identification of carrion source from blowflies	Glen Jackson
14:10 - 14:30	Fingernail stable isotopes reveal travel history and distinguish between residents and non-residents	Christy J Mancuso
14:30 - 14:50	Tracing the lives and loss of Maori dogs	Priscilla Wehi

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FIRMS / Isotope Analysis

Time	Title	Presenter
15:20 - 15:40	Reconnecting unprovenanced museum heritage materials to their origins	Karyne Rogers
15:40 - 16:00	Rapid elemental turnover times suggest beard hair as a potential human provenance indicator: A-H-O-C-N-SR-PB isotope study	Gareth Davies
16:00 - 16:20	A background survey of polymers in the act – diversity in isotopic abundance values	Felicity Koens
16:20 - 16:40	Application of stable isotope analysis for provenancing human remains recovered from Asia and the Pacific	Lesley Chesson
16:40 - 17:00	The analysis of black powders by EA-IRMS: contribution of the isotopic information to the investigation of explosives	Natacha Gentile

Tuesday 20 September

FIRMS / Isotope Analysis

Time	Title	Presenter
10:30 - 11:00	Keynote: Isotope ratio mass spectrometry as a tool for source inference: some perspectives	Natacha Gentile
11:00 - 11:20	C & O Isotope signatures in human teeth: Correlation with geographic provenance in Brazil	Tais Tibeiro Muniz
11:20 - 11:40	Variation of D13C and D15N in oil palm mesocarps from different regions in Malaysia: potential of stable isotope signatures as a key traceability parameter	Syahidah Akmal Muhammad
11:40 - 12:00	Using isotope ratio mass spectrometry technique to differentiate methylamphetamine synthesized from 1-phenyl-2-propanone (P-2-P) and ephedrine/pseudoephedrine: application to methylamphetamine profiling	Vanitha Kunalan

Tuesday 20 September

FIRMS / Isotope Analysis

Time	Title	Presenter
13:00 - 13:30	Keynote: Geographically sourcing cocaine's origin - Delineation of the nineteen major Coca growing regions in South America	Jennifer Mallette
13:30 - 13:50	Forensic protocols for the comparison of cable ties; physical, chemical and stable isotope measurements	Sarah L. Cresswell
13:50 - 14:10	Macroscopically non-destructive sampling using a portable laser ablation instrument for multi-isotope ratio provenance determination	Gareth Davies
14:10 - 14:30	The what, where and how of measurement uncertainty for IRMS delta values	Philip Dunn
14:30 - 14:50	Stable isotope analysis of amino acids: a new tool for food authentication	Luana Bontempo

Tuesday 20 September

FIRMS / Isotope Analysis

Time	Title	Presenter
15:20 -15:40	Ionos: revolutionary GC-IRMS data processing software from Isoprime Limited	Kyle William Robert Taylor
15:40 - 16:00	Development of a searchable, colour-coded mapping program for visualising extent of similarity and dissimilarity between multiple samples with multiple variables	Stewart Walker
16:00 - 16:20	Use of isotope analysis in environmental forensic investigation	Yi Wang
16:20 - 16:40	The FIRMS network - a review and outlook	Phil Dunn
16:40 - 17:00	FIRMS Panel Session	Phil Dunn Sean Doyle Jim Carter

