ISO-TOPICS: THE FIRMS NETWORK NEWSLETTER

May 2022

ABOUT US

The Forensic Isotope Ratio Mass Spectrometry (FIRMS) Network was founded to develop the scope of stable isotope techniques in forensic applications.

FIRMS brings together chemists, physicists, materials scientists, and life scientists who employ isotopic analysis in their respective fields. FIRMS is helping to focus collective knowledge and expertise on improving methods for crime detection and reduction.



The Chartered Society of Forensic Sciences

The 8th FIRMS Network conference is being facilitated with the help of The Chartered Society of Forensic Sciences. Abstract submission is open now through 17 June.

WELCOME

Welcome to the FIRMS May 2022 newsletter.

DISCLAIMER

Reference to or mention of any commercial product or process by specific trademark or manufacturer within this newsletter does not necessarily represent an endorsement by the FIRMS Network.

8TH FIRMS NETWORK CONFERENCE

Abstract submission for the 2022 conference of the FIRMS Network is now open. The conference will take place virtually via Zoom and feature oral and poster presentations.

The 8th FIRMS Network Conference will take place from 5 to 7 October.

To submit an abstract, please download and complete the form available here: <u>https://www.forensic-isotopes.org/2022.html</u>. Abstract submission is from 18 April until 17 June.

Conference registration details will be available in July. We hope to "see" you in October!

UPDATES FROM THE STEERING GROUP

There is still time to register your interest in the **2022 case-based proficiency test**: <u>https://www.forensic-isotopes.org/CBPT.php</u>

The scenario will involve polymer-based physical evidence and will require the comparison of two or more exhibits by whatever methods the laboratory feels appropriate. Laboratories will be expected to provide a report in their usual format. Reports will be anonymised and sent to a member of the FIRMS Steering Group to compile a summary that will be circulated to all participants.

The FIRMS Network has **two new Steering Group Members**, Joe Meikle (AFP) and Stephan Hlohowskyj (FBI). Welcome, Joe and Stephan!

Please extend a warm welcome to the newest members of the Steering Group, Joe Meikle and Stephan Hlohowskyj!

Membership invoices were issued, with payment due 31 March 2022. If you applied for membership and did not receive an invoice, or have not yet paid, please contact Treasurer Phil Dunn.

Finally, the FIRMS Network has a Twitter account! Follow us **@forensicisotopes**. Please contact us with feedback or content suggestions for Twitter or the next newsletter.

NEWS AND NOTICES

Many scientific meetings that were postponed due to the COVID-19 pandemic have been rescheduled:

The 12th International Conference on the Applications of Stable Isotope Techniques to Ecological Studies (**IsoEcol**) will be held in Gaming, Austria from 6 to 10 June 2022.

The **ASITA** (Advances in Stable Isotopes Techniques and Applications) conference will be held in Montreal, Canada 13-15 June 2022.

The 25th Symposium of the **Australian and New Zealand Forensic Science Society** will be held in Sydney, Australia between 11 and 15 September 2022. The **8th International Clumped Isotopes Workshop** will be held 19-22 September 2022 in Jerusalem, Israel. Abstraction submission is now open and will close 15 July. Registration details will be available soon.

The **Joint European Stable Isotope User Meeting** (JESIUM) will take place 10-14 October 2022 in Kuopio, Finland – and online. Abstract submission has closed but registration is open until 12 September 2022.

The Isotope Workshop XVI planned by the **European Society of Isotopes Research** is now scheduled for 10-13 July 2023. It will take place in Salzburg, Austria.

HIGHLIGHTED PUBLICATIONS

Outgoing Chair Phil Dunn recently published an update on the work and deliverables of the FIRMS Network during his six years as Chair (<u>https://doi.org/10.1016/j.forc.2022.100414</u>).

The IUPAC Commission on Isotopic Abundances and Atomic Weights (CIAAW) has released the "Standard Atomic Weights of the Elements 2021" (<u>https://doi.org/10.1515/pac-2019-0603</u>).

In 2021, the journal *Analytical and Bioanalytical Chemistry* published "Isotope delta challenge," authored by Phil Dunn and Juris Meija. The puzzle (<u>https://link.springer.com/article/10.1007/s00216-021-03607-x</u>) and its solution (<u>https://link.springer.com/article/10.1007/s00216-022-03903-0</u>) are available online. We encourage readers to test themselves with the challenge.

PUBLICATIONS LIST

Disclaimer: This section contains a non-comprehensive list of recent publications that may be of interest to members. Inclusion does not necessarily mean that the FIRMS Network approves the content. You are encouraged to consider critically whether (i) the experimental work complies with SI guidelines and the Good Practice Guide; and (ii) the conclusions drawn are based on sound scientific background information. Barry A, Thomson S, Dimayuga I, et al (2022) Isotope ratio method: State-of-the-art of forensic applications to CBRNE materials. Canadian Society of Forensic Science Journal 1–27. <u>https://doi.org/10.1080/00085030.2022.2054109</u>

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This newsletter was compiled and edited by Lesley Chesson. It was created using a Microsoft® Word template.

Contact Us

FIRMS Network <u>news@forensic-isotopes.org</u> forensic-isotopes.org Kramer R, Bartelink E (2022) Childhood and adulthood residency prediction using strontium (87 Sr/ 86 Sr) and oxygen (δ^{18} O) isotopes for unidentified deceased migrants recovered in Southern Texas. Forensic Anthropology. <u>https://doi.org/10.5744/fa.2020.0054</u>

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