HISTORICAL METALLURGY

Research in Progress Meeting –
27th November 2026, Cambridge

McDonald Institute for Archaeological Research

9:00 – 9:20 **Check-in and registration**

9:20 – 9:30 **Welcome speech**

SESSION 1: FROM ORE TO METAL: FURNACES, SLAG AND *CHAÎNES OPÉRATOIRES*

9:30-10:50

9:30-9:50 (*Online*)
Nurcan Kuçukarslan, Tsutomu Ota, Christian Potiszil, Katsura Kobayashi, Kimiyoshi Matsumura
Tracing Possible Iron-Ore Reduction in an Early Bronze Age Slag from Kaman-Kalehöyük (Türkiye)

9:50-10:10
Nicolas Thomas, Lise Saussus, Geoffroy Bister, Fabrice Gauthier
Extracting silver, stealing it from the enemy? Large-scale leading, liquation, and cupellation of argentiferous copper in the late medieval town of Aigueperse (Puy-de-Dôme, France)

10:10-10:30 (*Online*)
Céline Tomczyk, Nicolas Minvielle Larousse
Reconstructing Roman Lead Smelting at Antas (Southwestern Sardinia): An SEM-EDS Study of Galena Reduction Slags

10 :30-10 :50
Sébastien Perret, Alain Mélo, Raphaëlle Soulignac, Sandrine Paradis-Grenouillet
A medieval iron production district on the Salève Mountains, France

10:50 – 11:20 **COFFEE BREAK**

SESSION 2: TRACING METAL: PROVENANCE AND CIRCULATION

11:20-13:00

11:20-11:40 (*Online*)
Rupsa Karmakar, Sharada Srinivasan
From Ore to Slag: An Ethnoarchaeological Perspective on Metallurgical Lives of Iron in Jharkhand, Eastern India

11:40-12:00
Oliver Pryce, Thirawat Tukpho, Céline Tomczyk
Lead Isotopes for Archaeology, Geology and Industry in Thailand

12:00-12:20 (*Online*)
Ivan Stepanov, Michael Brauns, Daniel Berger, Louise De Palaminy, Ernst Pernicka, Naama Yahalom-Mack
Investigation of the origin of Bronze and Iron Age copper from the Southern Levant and Sardinia using a multi-isotope (Os, Pb, Cu) approach

12:20-12:40 (*Online*)
Louise de Palaminy
New insights into the Trans-Saharan gold trade in the Islamic Middle Ages revealed by multi-isotopic (Pb–Fe–Cu) and elemental characterization of Fatimid gold coins

12:40-13:00
Kaltrina Igrishta, Barbara Beck, Marie Besse
Artefact and Natural Gold as Evidence for Provenance: A Case Study from Switzerland

13:00-14:00 **LUNCH BREAK**

SESSION 3: OBJECTS UNDER ANALYSIS: METHODS AND MATERIALS

14:00-15:00

14:00-14:20 (*Online*)
Russell Wanhill, Omid Oudbashi
Archaeometallurgical Colorful Copper

14:20-14:40
Sibylle Manya, Benoît Mille, Jessica Legendre, Veronica Cicolani
Multi-analytical approaches to Early Iron Age copper alloys: methodological insights from the Itineris Project

14:40-15:00
Giulia Fasolino, Alfredo Maria Santoro
Archaeometric analyses of the tarì coins from the collection of the Centro di Cultura e Storia Amalfitana: new informations on the metallurgical composition of the 11th and 12th centuries issues

SESSION 4: MAKERS AND MEANINGS

15:00-15:40

15:00-15:20
Jingyuan Yvonne Zou
Working and Reworking Copper Alloys at Unguja Ukuu, Zanzibar, c. 6th–17th Centuries CE

15:20-15:40 (*Online*)
Siân Elizabeth Evans
Female metalworkers unforgotten: The legacy of the 1917 Women's Work Sub Committee at the Imperial War Museum

15:40 – 16:00 **COFFEE BREAK**

FLASH TALKS SESSION

16:00-16:15

Maria Isabel Guevara-Duque *(Online)*
Copper, Choice, and Consumption: A pXRF Baseline of Ancient Ecuadorian Metallurgy

Alfonsina Soledad Ramos Valdes
Archaeological and Metallurgical Characterization of Open Rings from San Antonio Site, Guerrero, Mexico (Early Postclassic Period, AD 900-1200)

Rabiu Yusuf, Nura Bello Gwadabawa (*Online*)
Reading the Smelting Landscape: Investigating the traces of Iron production in Sokoto, Northwestern Nigeria

16:15-16:30

Richard Williams, Peter Crew (*Online)*
250 years of making the same-shaped three-legged cooking pots in exactly the same way

Peter King (*Online*)
Andrew Yarranton in the iron trade

Anna-Maria Sdralia, Mercedes Murillo Barroso
Slag Characterisation from the metallurgical workshop (2nd c. BCE-6th c. CE) in Cerro de los Almadenes, Spain

16:30-16:45 Tzilla Eshel, Tsvi Kuflik (*Online*)
Integrating Machine Learning and Lead Isotope Analysis for Archaeometallurgical Provenance

Bruna Pelegrín-Garcia
Iron Technology and Provenance through the Analysis of Hammerscale: The Case of Roman Aldborough, Britain — Preliminary Results

Ladji Dianifaba (*Online*)
Slag, sand and forge? Initial geochemical insights into iron production at Tiékène (Senegal)

16:45-17:00 Sarah Grabowski
Crafting Copper for Eternity: Funerary Metalworking in the 3rd millenium BCE

Sabikun Naher
Gilded Bronzes of Early Medieval Bengal: Technique, Materials, and Craft Knowledge

David Williams, Dawn Spencer, Simon D. Metcalf
Investigating the case-hardening of British gun locks between 1780-1820

17:00-19:00 **RECEPTION**