

Fire in Human Evolution

International Symposium

June 10th and 11th, 2024. Leiden

Main themes:

Fire perception, social
interaction and culture

Fire as landscape
management

Fire, cooking and diet

Fire technology and
cognition

Archaeological
signatures of fire



Universiteit
Leiden



Leids Universitair
Medisch Centrum

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Symposium

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General Programme

10th
JUN

Van Steenis building, EO.O1

- 9:30 - 10:00 Coffee
10:00 - 10:15 Opening
- 10:15 - 12:00 Session 1. **Fire perception, social interactions** | **Chaired by Hanno Nate Dominy.** *Firelight and social synchrony.*
Cat Hobaiter. *Storytelling apes.*
Mariska Kret.
Juan Olvido Perea-García. *Early impact of fire use in social interaction.*
- 12:00 - 13:00 Lunch
- 13:00 - 14:45 Session 2. **Archaeological signatures of fire** | **Chaired by Amanda Femke Reidsma.** *Footprints of fire: A chemical perspective on the Pleistocene fire record*
Aitor Burguet-Coca. *A methodological proposal for identifying fire traces with low visibility in the Middle Pleistocene sites.*
Ethel Allue. *Fuel as a signature of fire.*
Sarah Hlubik. *Signatures of ancient fires: making the invisible visible*
William Gosling. *Parameterising natural and human modified fire regimes over evolutionary times scales.*
- 14:45 - 15:00 Coffee

- 15:00 - 16:45 Session 3. **Fire technology and cognition** | **Chaired by Mariska Ivo Jacobs.** *Animal pyrocognition*
Andy Sorensen. *Blazing the trail: The evidence and implications of fire making in the Palaeolithic*
Geeske Langejans. *Fire and birch tar*
Patrick Schmidt. *Heat treatment of lithic raw materials and what it tells us about the Stone Age.*
Auréade Henry. *Fire technology through the lens of fuel use and ethnoarchaeology*

17:30 - 21:00 Drinks and bites at PLNT (Langegracht 70)

11th
JUN

Van Steenis building, EO.O1

- 9:30 - 10:00 Coffee
- 10:15 - 12:00 Session 4. **Fire as landscape management** | **Chaired by Aitor Corrie Bakels.** *Firing landscapes for food security.*
Anastasia Nikulina. *The role of hunter-gatherers in interglacial vegetation changes: a modelling perspective.*
Nicole Herzog. *The Pyrophilic Primate a Referential Model.*
Michiel Veldhuis. *The ecology of fire.*
- 12:00 - 13:00 Lunch
- 13:00 - 15:00 Session 5. **Fire, cooking, and diet** | **Chaired by Femke Rachel Carmody.** *Fired Up: Cooking as a Catalyst for Human Evolution*
Eugène Morin. *Paleolithic fires: insights from archaeozoology and ethnohistory*
Amanda Henry. *Costs of Cooking*
Hanno Pijl. *On the evolutionary origins of the current diabetes pandemic*
- 15:00 - 15:30 Coffee
- 15:30 - 15:45 Closing
- 15:45 - 16:30 Discussion with the speakers | **Chaired by Amanda**