



# CHAIRE INTERNATIONALE PALÉOANTHROPOLOGIE

Année académique 2017-2018

Jean-Jacques HUBLIN, Professeur

## Energetics of the Hominins

**International Symposium in English (traduction simultanée en français)**

Monday 11<sup>th</sup> and Tuesday 12<sup>th</sup> June 2018

Amphithéâtre Marguerite de Navarre

### Monday 11<sup>th</sup> June 2018

- 9 h 00** Welcome to the participants  
Alain Prochiantz (Collège de France)
- 9 h 15** Opening remarks  
Jean-Jacques Hublin (Collège de France and Max Planck Institute for Evolutionary Anthropology, Leipzig)
- 9 h 45** "The Expensive Brain: predictions and comparative tests"  
Carel P. van Schaik (Department of Anthropology & Anthropological Museum, University of Zurich)
- 10 h 15** Coffee Break
- 10 h 45** "Brain energetics and the evolution of human childhood"  
Christopher Kuzawa (Northwestern University, USA)
- 11 h 15** "Growing up fast but maturing slowly: a uniquely human pattern of development?"  
Philipp Gunz (Max Planck Institute for Evolutionary Anthropology, Leipzig)
- 11 h 45** General discussion
- 12 h 00** Lunch break
- 13 h 30** "Born to walk, run and rest: the evolution of locomotor energetics in Homo"  
Daniel E Lieberman (Harvard University, USA)
- 14 h 00** "Reproductive energetics in primates"  
Cécile Garcia (Musée de l'Homme, CNRS/Muséum National d'Histoire Naturelle, Paris)
- 14 h 30** "Neandertal energetic ecology, reproduction, and demography"  
Steven E. Churchill (Duke University, USA)
- 15 h 00** "Metabolic Acceleration in the Genus Homo: Brains, Babies, and Bipedalism"  
Herman Pontzer (Hunter College, City University of New York, USA)
- 15 h 30** General discussion
- 15 h 45** Coffee Break
- 16 h 15** "The costs of fire"  
Amanda Henry (Faculty of Archaeology, Leiden University)
- 16 h 45** "Traces of Fire Use in Pleistocene Europe: Patterns and Interpretations"  
Wil Roebroeks (Faculty of Archaeology, Leiden University)
- 17 h 15** "The intermittent evidence for fire in Neandertal sites means they were not obligate fire users"  
Shannon McPherron (Max Planck Institute for Evolutionary Anthropology, Leipzig)
- 17 h 45** General discussion

### Tuesday 12<sup>th</sup> June 2018

- 9 h 00** "40 years of investigation on ancient hominin diets through isotope studies: limits and solutions"  
Klervia Jaouen (Max Planck Institute for Evolutionary Anthropology, Leipzig)
- 9 h 30** "Partners in chyme: hominin-microbial interactions in energy acquisition"  
Rachel N. Carmody (Harvard University, USA)
- 9 h 45** "Energy cost and gain from prey acquisition and food processing during the Palaeolithic"  
Camille Daujeard (Institut de Paléontologie humaine, Muséum National d'Histoire Naturelle, Paris)
- 10 h 15** Coffee Break
- 10 h 45** "Mitigating the Metabolic and Other Costs of a Largely Meat-Based Neanderthal Diet"  
John Speth (University of Michigan, Ann Arbor, USA)
- 11 h 15** "Coping with prey seasonal fluctuations: a year in the life of Paleolithic hunters"  
William Rendu (Université de Bordeaux and New York University, USA)
- 11 h 45** General discussion – Closing remarks