



# Palaeodietary Workshop

## Announcement

**11th – 15th September, 2017**

**Eberhard Karls Universität Tübingen**

Dietary reconstructions are key to understanding past patterns of subsistence, which inform about population dynamics and the socio-cultural characteristics of different communities. Food preparation and consumption are basic elements in human life, and have left a large variety of traces in the archaeological record. By studying these remains we can gain considerable knowledge about dietary practices in antiquity.

This Palaeodietary Workshop is aimed at PhD and Master students carrying out research in the fields of Archaeology and Archaeological Science. The workshop will offer an intense week of exploring cutting-edge scientific techniques to the study of ancient diets. Lectures, demonstrations and practicals will be given by specialists in the fields of: Archaeozoology, Microwear Analysis, Archaeobotany, Plant Microremains, Pyrotechnology, Stable Isotope Analysis, Lipid Residue Analysis, Protein Analysis and DNA studies.

	11.09	12.09	13.09	14.09	15.09
<b>9.00-9:15</b>	<b>Introduction</b>				
9:15-10:15	Archaeological methods for palaeodietary studies (L)	Introduction to Archaeobotany (L)	Introduction to isotope analysis (L)	Using isotopes (Sr, O & H) to study mobility (L)	The application of proteomics to palaeodietary studies (L)
Lecturers	MB	HPS, GB	HB	MDZB, DD	JH
<b>10:15-10:30 Coffee Break</b>					
10:30-12:00	Introduction to zooarchaeology (L)	Introduction to plant micro-remains & pyrotechnology (L)	The contribution of stable isotopes research (C & N) in palaeodietary studies (L)	Using isotopes (C, N & S) to study diet & palaeoclimate (L)	Introduction to Ancient Dietary Metagenomes (L)
Lecturers	GW	AH, SGA, CM	DCSG	DD	JFY
<b>12.00-13.30 Lunch</b>					
13:30-15:00	Microwear analysis (L)	Archaeobotany (D/P)	The use of heavy isotopes (Fe, Cu & Zn) in palaeodietary research (L)	Biomarker & isotopic characterisation of lipid residues to study ancient diets (L)	Palaeodiet at the Mesolithic-Neolithic transition in Iberia (L)
Lecturers	ESK	HPS, GB	KJ	SB, MR, CS	ESG
<b>15:00-15:15 Coffee Break</b>					
15:15-17:00	Zooarchaeology (D/P)	Plant micro-remains & pyrotechnology (D/P)	Visit to the isotope laboratories (D)	Lipid residue analysis (D)	Concluding remarks
Lecturers	GW	SGA, CM	HB, MDZB, DD	SB, MR, CS	
18:00-19:00 Keynote lectures		Stunted growth during the transition to farming? Stature in the "Long Neolithic" of the Old World	TBA	Considering not only what we ate, but how we ate it as an insight into Paleolithic diet strategies	
Speakers		ER	JK	SC	
19.00 -		Dinner	Reception	Drinks	

**MB:** Prof. Dr Martin Bartelheim, Universität Tübingen, Germany; **GW:** Dr Gillian Wong, Universität Tübingen, Germany; **ESK:** Dr Ellen Schulz-Kornas, Max Planck Weizmann Centre for Integrative Archaeology and Anthropology, Leipzig, Germany; **HPS:** Dr Hans-Peter Stika, University of Hohenheim, Stuttgart, Germany; **GB:** Ms Gerlinde Bigga, Universität Tübingen, Germany; **AH:** Dr Amanda Henry, Leiden University, The Netherlands; **SGA:** Dr Shira Gur-Arieh, Universität Tübingen, Germany; **CM:** Prof. Dr Christopher Miller, Universität Tübingen, Germany; **HB:** Prof. Dr Hervé Bocherens, Universität Tübingen, Germany; **DGSC:** Dr Domingo Carlos Salazar-García Grupo de Investigación en Prehistoria IT-622-13 (UPV-EHU)/ IKERBASQUE-Basque Foundation for Science, Vittoria, Spain; **KJ:** Dr Klervia Jaouen, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany; **MDZB:** Dr Marta Díaz-Zorita Bonilla, Universität Tübingen, Germany; **DD:** PD Dr Dorothee Drucker, Universität Tübingen, Germany; **SB:** Dr Stephen Buckley, Universität Tübingen, Germany; **MR:** Dr Maxime Rageot, Universität Tübingen, Germany; **CS:** Jun. -Prof. Dr Cynthia Spiteri, Universität Tübingen, Germany; **JH:** Dr Jessica Hendy, Max Planck Institute for the Science of Human History, Jena, Germany; **JFY:** Mr James Fellow Yates, Max Planck Institute for the Science of Human History, Jena, Germany; **ESG:** Eulalia Subirá-Galdácano, Department of Animal and Plant Biology and Ecology, Autonomous University of Barcelona, Spain; **ER:** Dr Eva Rosenstock, FU Berlin, Germany; **JK:** Prof. Dr Johannes Krause, Max Planck Institute for the Science of Human History, Jena, Germany; **SS:** Dr Stephanie Schnorr, University of Oklahoma, USA.

**D:** Demonstration, **L:** Lecture, **P:** Practical

**Application deadline: 1<sup>st</sup> September, 2017**  
**Palaeodietary Workshop registration fee: 60€**

*We are able to contribute 360€ towards accommodation costs for 10 PhD students. Please indicate in the application form if you would like to be considered for this, together with a short justification.*

To apply, please complete the application form and send to one of the following coordinators:

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Jun. -Prof. Dr Cynthia Spiteri: cynthianne.debono-spiteri@uni-tuebingen.de