

# ISBA3 Programme

## ISBA3

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## Draft Programme

### Saturday 13 Sep 2008

[LeCHE meeting](#) Saturday 14.00 - 17.00 (LeCHE partners and associate partners only)  
[Science City York Meeting Room: Department of Biology K157A](#)

18:00 Meet at [Deramore Arms](#) Pub (Heslington) Cheap BBQ, other food available

Bed & Breakfast accommodation available

### Sunday 14 Sep 2008

**Breakfast** 08:00 - 09:00 [Wentworth College](#) "The Edge" Self Service  
 9.00 - 11.00 Registration desk open in [Vanburgh College Foyer](#)

**Coffee 10:30 - 11:00**

**all lectures in Vanburgh College** [V/045 - Lecture Theatre](#)

### Session 1 : Introduction to...

The aim of this session is to provide a series of (hopefully light-hearted) jargon-busting presentations to prevent acronym overload during the conference.

Chair: Jacqui Mulville

11:00	<a href="#">Keith Dobney: zooarchaeology</a>
11:15	<a href="#">Carl Heron: basics of mass spectrometry</a>
11:30	<a href="#">Robert Hedges: stable isotope analysis</a>
11:45	<a href="#">Ian Barnes: population genetics</a>
12:00	<a href="#">Tom Gilbert: high throughput sequencing</a>
12:15	<a href="#">Enrico Cappellini: proteomics</a>

**Lunch (Green) 12:30 - 13:30** [Vanbrugh Self Service](#)

### Session 2: individuals

Chair: Gundula Muldner

13:30	Welcome to ISBA3: Henk Kars
13:45	<a href="#">An improved method for single amino acid <math>\delta^{13}\text{C}</math> measurement using LC-IRMS</a>
14:00	<a href="#">Compound Specific Approaches to Palaeodietary Research: An Investigation of Amino Acid <math>\delta^{13}\text{C}</math> and <math>\delta^{15}\text{N}</math> Variation in Bone Collagen from Archaeological Populations with Different Dietary Regimes</a>
14:15	<a href="#">Investigating Marine Food Consumption in Prehistoric Humans via the <math>\delta^{13}\text{C}</math> values of Collagen Amino Acids</a>
14:30	<a href="#">Are bone collagen <math>\delta^{13}\text{C}</math> and <math>\delta^{15}\text{N}</math> signatures influence by pregnancy and lactation?</a>
14:45	<a href="#">Considerations in the estimation of the age at death by aspartic acid racemization in archaeological human remains</a>
15:00	<a href="#">Towards the application of desorption electrospray ionisation mass spectrometry (DESI-MS) to the analysis of ancient proteins from artefacts.</a>

**Coffee 15:15 - 15:45**

Chair: Martine Regert

15:45	<a href="#">Scurvy, the scourge of guinea pigs and man</a>
16:00	<a href="#">Aristophanes and Stable Isotopes: Comparing literary and isotopic evidence of diet in Classical Thebes, Greece.</a>
16:15	<a href="#">On Rome's Northern Frontier: Multi-isotopic investigations into cultural diversity in Roman York</a>
16:30	<a href="#">Sulphur isotope analysis of ancient bone collagen: new methodological developments and applications</a>
16:45	<a href="#">The Beaker Isotope Project sulphur data</a>
17:00	<a href="#">Investigation of organic residues preserved in Early Bronze Age funerary pottery from Britain</a>
17:15	<a href="#">The Bishops of Whithorn – isotope evidence for status and mobility amongst mediaeval clerics in Scotland</a>

17.30 Session Ends

Following the end of the session Jacqui Mulville will host a short discussion on destructive sampling of museum materials

**Dinner 18:00 - 19:00** [Vanbrugh Self Service](#)

### **[Poster Teaser / Poster Session / Reception](#)**

19:00 Poster Talks (each student has 2 sentences to describe their poster...)

20:30 Poster Session / Wine Reception Vanbrugh JCR (Bar open)

## **Monday 15 Sep 2008**

**Breakfast 08:00 - 09:00** [Vanbrugh Self Service](#)

### **[Session 3: GeneTime showcase](#)**

Chair: Tom Gilbert

9:15	<a href="#">UniColl: A theoretical database for GOOGOLing ancient collagen</a>
9:30	<a href="#">Large-scale FLX-sequencing and the Swedish Neolithic</a>
9:45	<a href="#">Musk ox (Ovibos moschatus) Ancient DNA: The hairy survivors of Pleistocene climate</a>
10:00	<a href="#">Mass spectrometry based proteomic studies of archaeological soils</a>
10:15	<a href="#">Have mitochondrial genomes of the aurochs survived in domestic cattle?</a>
10:30	<a href="#">Detecting selection in ancient cattle remains: Pre industrial selection in Bos Taurus</a>
10:45	<a href="#">LeCHE, a training network producing the next generation of researchers</a>

**Coffee 11:00 - 11:45**

### **[Session 4: populations](#)**

Chair: Greger Larson

11:45	<a href="#">Using new and old approaches to study bovid systematics and evolution across Europe</a>
12:00	<a href="#">Cattle domestication and the troublesome aurochs</a>
12:15	<a href="#">High mtDNA diversity among cattle and goats from the earliest Neolithic settlements</a>

**Lunch (Red) 12:30 - 13:30** [Vanbrugh Self Service](#) (there is a tour of the [Technology Facility](#), meet at 12.30)

13:30	<a href="#">The process of cattle domestication during the Neolithic as revealed by a large-scale palaeogenetic study.</a>
13:45	<a href="#">Detecting dairying with stable calcium isotope ratios (<math>\delta^{44}/^{42}\text{Ca}</math>) of bones and teeth</a>
14:00	<a href="#">The Leopard's (Cautionary) Tale: Revealing the Mysteries of Organic Residues and Stable Isotopes at Çatalhöyük</a>
14:15	<a href="#">Investigating Eneolithic horse exploitation in northern Kazakhstan, via compound-specific stable carbon and deuterium isotope analysis of pottery.</a>
14:30	<a href="#">New insights into pottery function and dairy products exploitation: Multi-</a>

	<a href="#">analytical methodology for the structural characterisation of triacylglycerols</a>
14:45	<a href="#">Allele frequencies of the lactase gene in Scandinavian Neolithic populations, hunter-gatherers vs. farmers</a>
15:00	<a href="#">The prehistory of milk processing and dairying</a>

**Coffee 15:15 - 15:45**

Chair: Robin Allaby

15:45	<a href="#">Human ancient DNA analysis within The Genographic Project: a project update and preliminary results from two powerful multiplex SBE typing methods</a>
16:00	<a href="#">Recalibrating the time-scale of human evolution using mitochondrial and Y-chromosomal DNA</a>
16:15	<a href="#">aDNA analysis of human population samples from the Danish past – what have we learned?</a>
16:30	<a href="#">NspI typed transition within PRNP gene (A385G / Met129Val) confirms rapid shift in allele frequencies during The Second Millennium</a>
16:45	<a href="#">Isotopes, population genetics, and the transatlantic slave trade: Reconciling individual and population based approaches</a>
17:00	<a href="#">Determination of Sr isotopes in tooth enamel, using laser ablation inductively coupled plasma mass spectrometry, and the application to archaeological studies.</a>
17:15	<a href="#">What colour was Attila the Hun's horse?: genetic signatures of phenotypic traits in archaeological materials</a>

17.30 Session Ends

**19:00 Drinks in the Merchant Adventurers****19:15 - 23:00** [Conference Dinner, Merchant Adventurers](#)**Tuesday 16 Sep 2008**Breakfast 08:00 - 09:00 [Vanbrugh Self Service](#)**[Session 5: movement](#)**

Chair: Simon Ho

9.15	<a href="#">Microsatellite genotyping of Pleistocene populations</a>
9:30	<a href="#">Phylogeography, Ancient DNA and the Post-Glacial Recolonisation of Europe</a>
9:45	<a href="#">Pleistocene Horses genetics before and after the last glacial maximum</a>
10:00	<a href="#">Ancient DNA analysis of brown bear (Ursus arctos): temporal and spatial phylogeography</a>
10:15	<a href="#">Mapping herd movements and migrations: a case study of modern caribou and bison enamel and dentine</a>

**Coffee 10:30 - 11:00**

Chair: Love Dalen

11.15	<a href="#">Faunal radiation in the West Indies: Human impact on rice rat colonization in the Lesser Antille</a>
11:30	<a href="#">Prehistory and the Orkney Vole (Microtus arvalis orcadensis): new evidence for the colonisation history of Orkney's most enigmatic mammal</a>
11:45	<a href="#">Mice and Vikings</a>
12:00	<a href="#">Paleogenetics study of sturgeons from the Rhône River</a>
12:15	<a href="#">The medieval cod trade: Provenancing using stable isotopes in conjunction with traditional zooarchaeological methods</a>

**Lunch (Black) 12:30 - 13:30** [Vanbrugh Self Service](#)**[Session 6: environment](#)**

Chair: Terry Brown

13:30	<a href="#">The Provenancing of Animal Remains from Archaeological Sites using</a>
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	<a href="#">Ancient DNA</a>
13:45	<a href="#">Not quite in the bag: A systematic bioarchaeological approach to the question of South American chickens origins</a>
14:00	<a href="#">Archaeogenetic evidence of local barley adaptation at Qasr Ibrim</a>
14:15	<a href="#">Phylogeographic analysis of barley (<i>Hordeum vulgare</i>) landraces shows that the distribution of lineages retains an imprint from the initial patterns of agricultural spread through Europe</a>
14:30	<a href="#">Stable isotope evidence for the consumption of millet in Bronze Age Italy</a>
14:45	<a href="#">An Ancient DNA study from The Farm Beneath the Sand</a>
15:00	<a href="#">"The end of the world?" Famine, plague and climate change in 14th century London</a>

**15:15** Concluding remarks and students prizes awards ([Kerstin Lidén](#))

**15:30 ISBA3 Ends**

Bed & Breakfast accommodation available

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Subpages (1): [Abstracts](#)

## Comments

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