



Cambridge Society for the Application of Research

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DNA Profiling of Horses

Susan Gurney

University of Cambridge Institute of Continuing Education

7.30 p.m., **TUESDAY 26th April, 2011**
WOLFSON LECTURE THEATRE, CHURCHILL COLLEGE
Storey's Way, Cambridge

About this lecture:

Susan Gurney writes:

“What are horses and how have they evolved? This question can be answered by examining DNA from modern horses and comparing it to DNA from living sister species such as kiangs and zebras and to DNA from extinct equids preserved in fossils especially in the Americas. This has enabled us to look back in time to see how the horse has evolved, and to understand more about the modern breeds (the domestic horse and Przewalski's wild horse) that we see today.

In this talk I will describe our current research into understanding the prehistory of the horse (*Equus caballus*) and how the modern breeds that we see today have evolved from their equid ancestors. I will also show some case studies that will demonstrate how difficult it can be to study genetic information which has been collected from ancient remains, highlighting the importance of checking for errors and understanding the data that you are working with.”

About the speaker:

Susan Gurney is the course director for the science programme at the Institute of Continuing Education (University of Cambridge). Susan started researching horse genetics while completing an MSc in Forensic Science at ARU. She has continued this research and is now using her knowledge and data to try to understand more about the evolution of the horse. In addition Susan has been involved in human genetics projects as well. Susan has been a member of CSAR for the last two years. She is a member of the CSAR Council, and is currently the Visits Organiser for the society.

The Organising Secretary adds....

Please note that this is one of our **TUESDAY** lectures; and it is IMMEDIATELY AFTER EASTER MONDAY. Easter being uncommonly late this year (I blame the Synod of Whitby which took place in 664) the University term, and therefore the CSAR lectures, are similarly affected

Concerning the lecture; readers may find the following links interesting:

http://news.bbc.co.uk/local/cambridgeshire/hi/people_and_places/history/newsid_915000/9150180.stm

http://www.reiningonline.com/reiningonline_health/3183.html

Best Regards

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