



### MEGHÍVÓ

az MTA–MTM–ELTE Paleontológiai Kutatócsoportja és az MTM Óslénytani és Földtani Tára félig formális, félig kötetlen, házi (de nyilvános) előadás-sorozatának hatvanharmadik előadására

#### **Carmen NACARINO-MENESES:**

Life history of European fossil horses: a Paleohistological study of the Pleistocene species

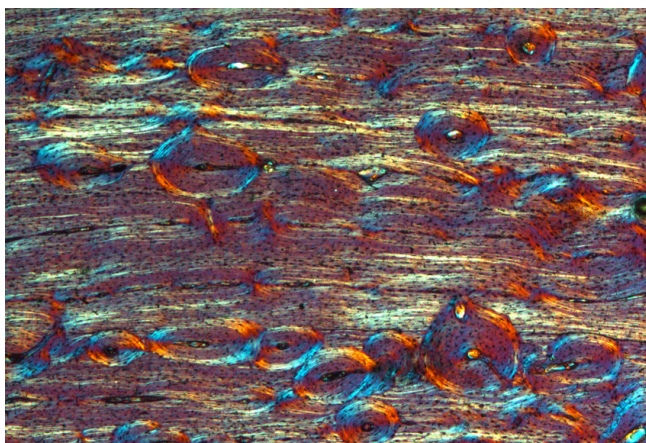
Európai ősllovak élettörténete: csonttani vizsgálatok pleisztocén fajokon

Ideje: 2015. június 12. (péntek), 11:00

Helye: az Óslénytár könyvtára (Ludovika tér 2.)



Life history theory provides a useful framework to study past environments and evolutionary trends. According to that theory, species' life history traits are modulated by environmental conditions, mainly extrinsic mortality and resource availability, to improve its fitness. When dealing with extinct species, the histological study of bones and teeth has been shown to be an excellent approach to study an animal's pace of life. Due to their characteristic growth, these structures record some of the most important life history traits of animals such as longevity, growth rate or age at maturity.



Horses (family Equidae) have been profusely studied in paleontology because they represent the classical example of macroevolution. Among all the changes that this group experienced during its evolution, it is especially remarkable the decrease in size of the genus *Equus* during the Pleistocene epoch. To understand the causes that underlie this size shift, the remains of *E. hydruntinus* and *E. mosbachensis* housed at the Hungarian Natural History museum were analyzed to interpret the life history strategy of each species. The results obtained from this work could greatly contribute not only to improve our knowledge about horses' evolution, but also to infer about their past environments and paleoecology.

Carmen PhD hallgató a Miquel Crusafont Katalán Paleontológiai Intézetben (Cerdanyola del Vallès) ami a Barcelonai Autonóm Egyetemhez tartozik.

Vendégünk a SYNTHESYS projekt keretében érkezett, házigazdája Gasparik Mihály.

**Az előadásra minden érdeklődőt szeretettel várunk!**