



# PALEOPÓDIUM 47.

**MTA**  
**PALEO**



## MEGHÍVÓ

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

**Gregory PRICE:**

Utilising stable isotope variation in brachiopods to evaluate CO<sub>2</sub> as a driver of Mesozoic climate change

Ideje: 2012. július 24. (kedd), 15:00

Helye: az Őslénytár könyvtára (Ludovika tér 2.)



Phanerozoic atmospheric CO<sub>2</sub> concentrations appear to have been considerably higher than modern levels and given that CO<sub>2</sub> is a greenhouse gas, it has been proposed that surface temperatures were also higher. Some studies have, however, suggested, that Earth's temperature (estimated from the isotopic composition of fossil brachiopod and mollusc shells) may have been independent of variations in atmospheric CO<sub>2</sub> concentration. Such findings deserve close scrutiny as if large changes in atmospheric CO<sub>2</sub> in the past have not produced the expected climate response this undermines the case for reducing fossil-fuel emissions. New isotope (temperature) data, is presented, derived from the isotopic composition of brachiopods largely from Tethyan locations. The results are consistent with the view that changes in atmospheric CO<sub>2</sub> concentrations are linked with changes in global temperatures.

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Vendégünk a SYNTHESYS projekt keretében érkezett, házigazdája Főzy István.

**Az előadásra minden érdeklődőt szeretettel várunk!**