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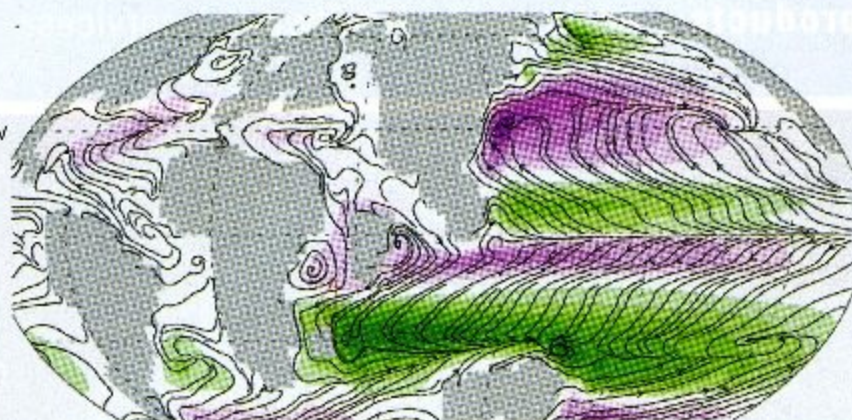
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doi:10.1038/nature08744

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R S Sansom, S E Gabbott & M A Purnell

doi:10.1038/nature08745

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S Hare, S S Gupta, E Valkov, A Engelman & P Cherepanov

doi:10.1038/nature08784

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R Bajpai, D A Chen, A Rada-Iglesias, J Zhang, Y Xiong, J Helms, C-P Chang, Y Zhao, T Swigut & J Wysocka

doi:10.1038/nature08733

RAF inhibitors prime wild-type RAF to activate the MAPK pathway and enhance growth

G Hatzivassiliou, K Song, I Yen, B J Brandhuber, D J Anderson, R Alvarado, M J C Ludlam, D Stokoe, S L Gloor, G Vigers, T Morales, I Aliagas, B Liu, S Sideris, K P Hoefflich, B S Jaiswal, S Seshagiri, H Koeppen, M Belvin, L S Friedman & S Malek

doi:10.1038/nature08833

Odorant reception in the malaria mosquito *Anopheles gambiae*

A F Carey, G Wang, C-Y Su, L J Zwiebel & J R Carlson

doi:10.1038/nature08834

THIS WEEK ONLINE

Our knowledge of early soft-bodied vertebrates is heavily dependent on a few well preserved fossils. Now experiments with modern amphioxus and larval lampreys literally left to rot suggests that those early fossils may not be what they seem:

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