

Geochemistry Seminar WS 2011/2012

Mondays, 13.30 h Room B139

Other students and faculty are welcome

Program:

- 07.11.2011 M. Quiring Verteidigung der BSc.-Arbeit
14.11.2011 R. Pieske Verteidigung der BSc.-Arbeit
Advances in Geochemistry: The Great Oxidation Event
21.11.2011 H. Becker D.E. Canfield (2005) The Early History of Atmospheric Oxygen: Homage to Robert M. Garrels. *Annu. Rev. Earth Planet. Sci.* 2005. 33:1–36
28.11.2011 S. V. Hohl Halevy I, et al. (2010) Explaining the Structure of the Archean Mass-Independent Sulfur Isotope Record. *Science* 329, 204 (2010); DOI: 10.1126/science.1190298
05.12.2011 M. Quiring Ariel D. Anbar, et al. (2007) A Whiff of Oxygen Before the Great Oxidation Event? *Science* 317, 1903 (2007)
12.12.2011 T. Gawronski Qingjun Guo et al (2009) Reconstructing Earth's surface oxidation across the Archean- Proterozoic transition. *Geology* May 2009 : 399 - 402
02.01.2012 Chr. Meyer Rosing et al. No climate paradox under the faint early Sun. *Nature*, 464, 744–747 (2010). + *News & Views by Kasting + 4 Brief Communicatios*
09.01.2012 S. Kommescher Kump, L. R. & Barley, M. E. 2007 Increased subaerial volcanism and the rise of atmospheric oxygen 2.5 billion years ago. *Nature* 448, 1033–1036
16.01.2011 Z. Wang Heimann, A. et al. 2010 Fe, C, and O isotope compositions of banded iron formation carbonates demonstrate a major role for dissimilatory iron reduction in 2.5 Ga marine environments. *Earth Planet. Sci. Lett.* 294, 8–18 (2010).
23.01.2011 R. Gunder J.A. Higgins et al. (2009) Oxygenation of the ocean and sediments: Consequences for the seafloor carbonate factory. *Earth and Planetary Science Letters* 284 (2009) 25–33
30.01.2011 M. Schannor Fabre S et al (2011) Iron and sulphur isotopes from the Carajás mining province (Pará, Brazil): Implications for the oxidation of the ocean and the atmosphere across the Archaean–Proterozoic transition. *Chemical Geology*, Vol. 289, 124 – 139.
06.02.2011 M. Friebel Melezhik V. (2006) Multiple causes of Earth's earliest global glaciation. *Terra Nova*, 18, 130–137, 2006
13.02.2012 F. Wilckens Knauth L.P. (2005) Temperature and salinity history of the Precambrian ocean: implications for the course of microbial evolution. *Palaeogeography, Palaeoclimatology, Palaeoecology* 219. 53– 69

Die Mitarbeiter des Arbeitsbereichs Geochemie