

A Journal of the Gesellschaft Deutscher Chemiker

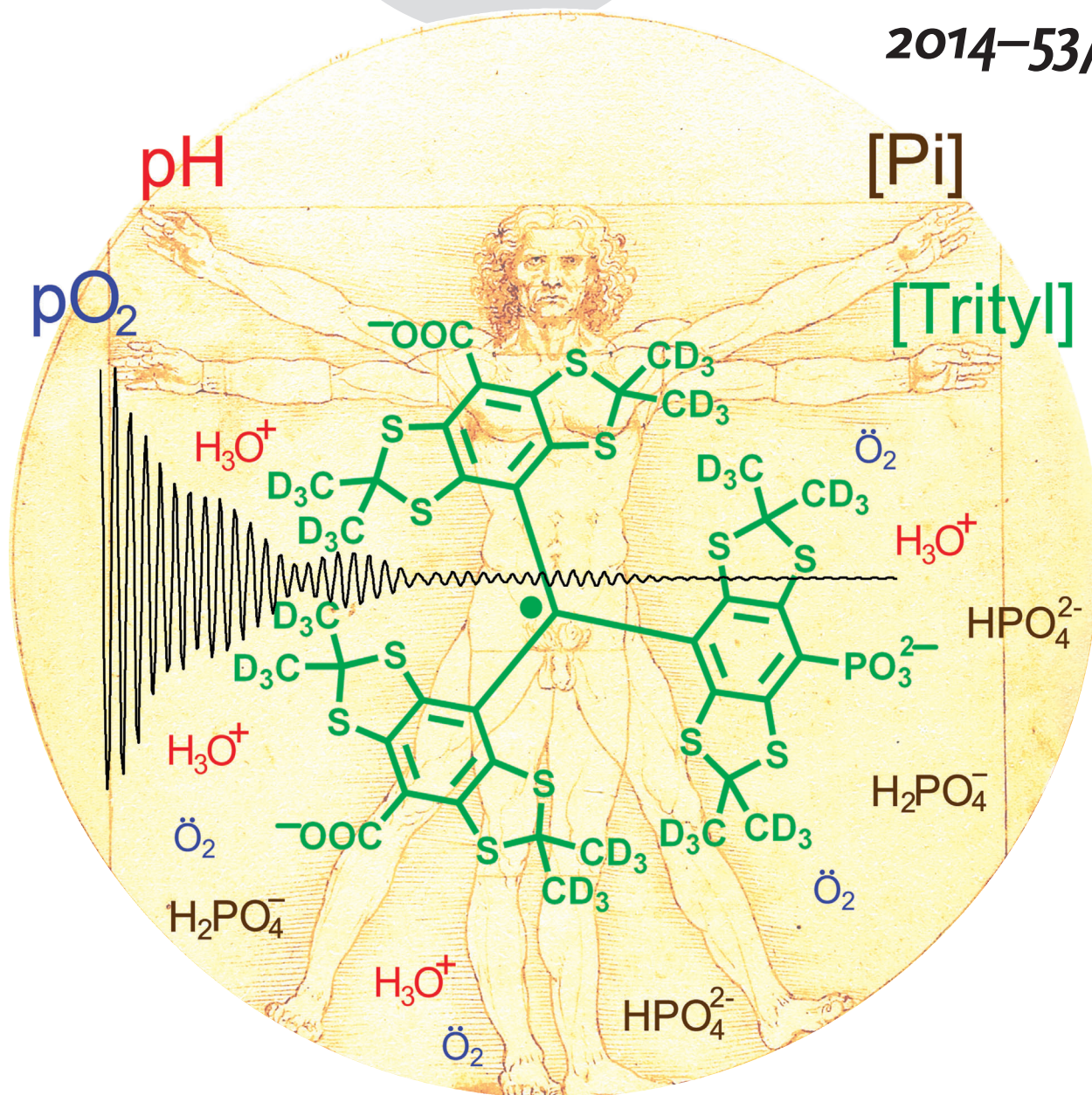
Angewandte Chemie

GDCh

International Edition

www.angewandte.org

2014–53/10



The long relaxation times ...

... of the monophosphonated trityl radical make possible its application in pulsed EPR spectroscopy. In their Communication on page 2735 ff., V. V. Khramtsov et al. use Fourier transform EPR spectroscopy in combination with the trityl probe to assess the physiologically relevant parameters of a chemical microenvironment. The spectra analysis enables quantitative and discriminative assessment of pH, pO_2 , and the concentrations of inorganic phosphate (Pi) and probe.

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