

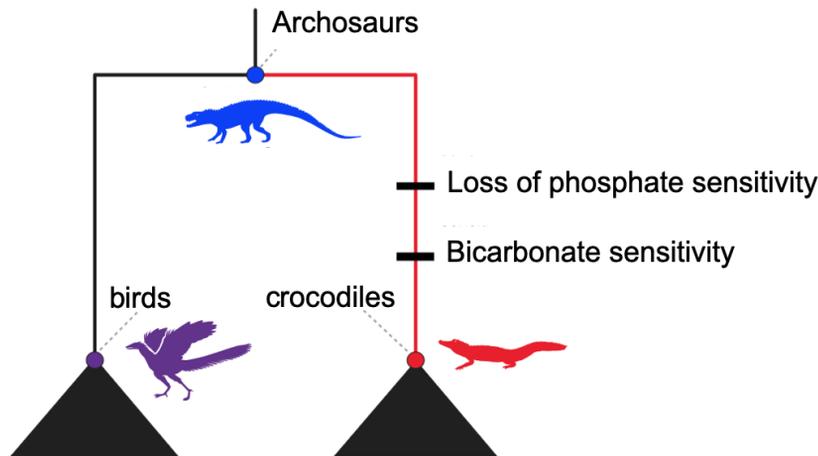


# Molecular Evolution of Haemoglobin

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The molecular structure of human haemoglobin (Hb), and its relation to the control of oxygen affinity, are well understood. Different animals have evolved Hbs suitable for their own particular environments while preserving the same tetrameric protein structure, sometimes with single amino acid changes. Even modest changes may have profoundly important physiological effects. Hbs with more complicated changes have proved problematic to explain. Some examples will be discussed, focussing on the recent cryo electron-microscopy model of crocodilian Hb.



**Tuesday, February 3<sup>rd</sup> – 14.00 – 15.00**  
**Zoophysiology seminar room (1130)**