CO_2 acquisition in cyanobacteria: some things do change

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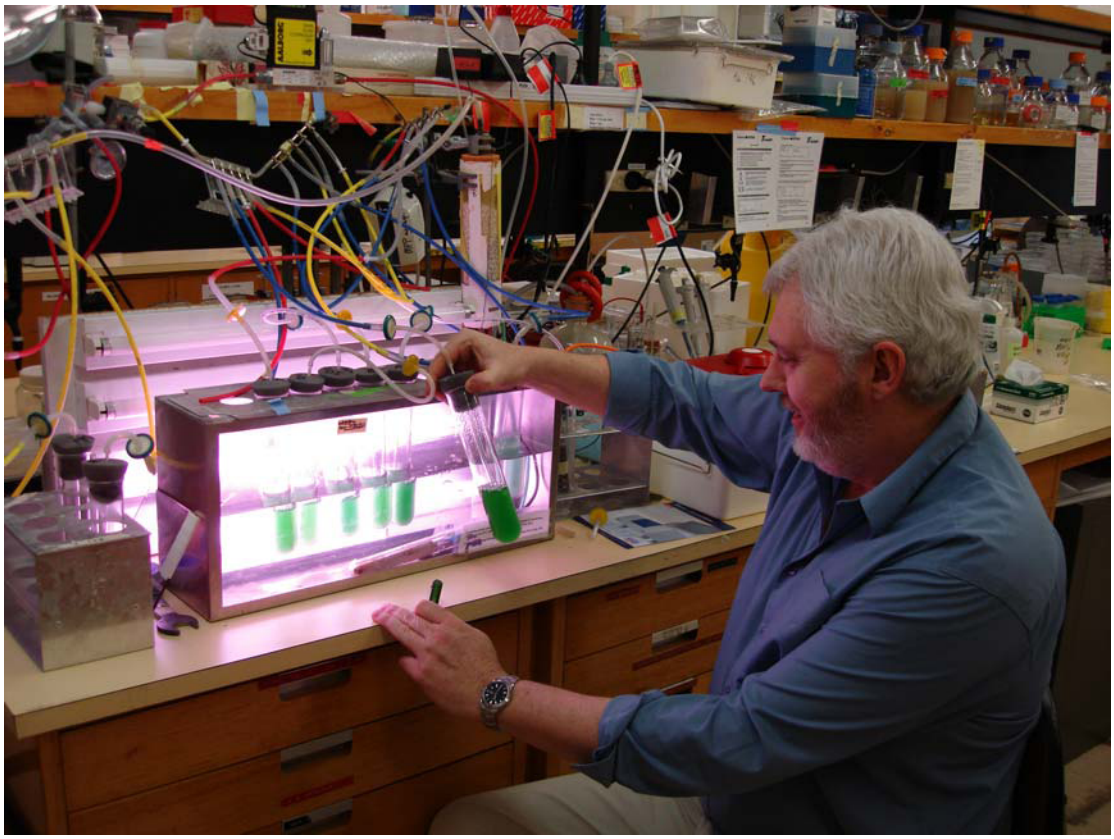

Dean Price has worked for many years unravelling the globally critical process enabling photosynthetic CO_2 acquisition in cyanobacteria (blue-green algae) and higher plants. This process leads initially to production of simple sugars and then ultimately to biomass products such as starch, grain or wood. Dean uses a range of approaches including measurement of photosynthetic processes in whole living cells or whole plants, molecular studies on how genes are organised and function, biochemical analysis of enzyme function and computer-based tools for analysis of molecular evolution. His main area of expertise is in the analysis of the CO_2 concentrating mechanism in cyanobacteria. He has discovered many of the genes and gene functions responsible for this process.

http://biology.anu.edu.au/Dean_Price/