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Special issue

Dynamic Metabolic Networks

Editors: Nick Kruger and George Ratcliffe

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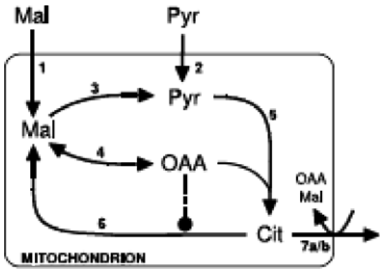
NETWORK PROPERTIES

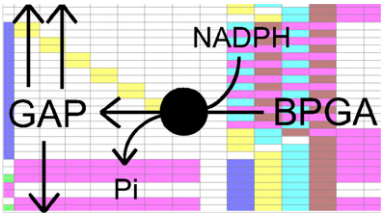
Ralf Steuer

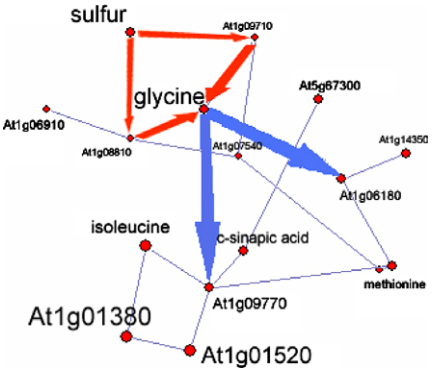
Recent computational strategies to evaluate the dynamic capabilities of metabolic networks are described and exemplified using paradigmatic models of metabolic pathways.



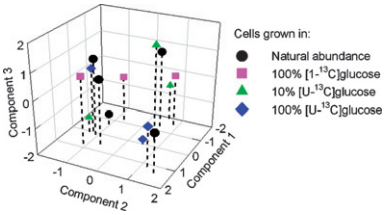
Michael Kreim, Christoph Giersch*

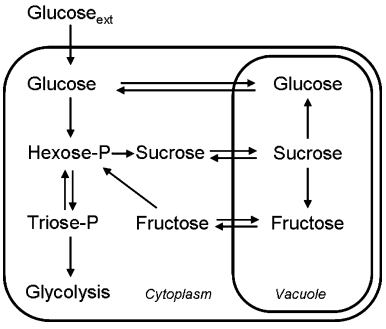
Enzyme kinetics can be studied under *in vivo* conditions by modulating the activities of certain target enzymes. We extend this approach and apply it to the Calvin photosynthesis cycle with the aim to identify the set of modulations that allows maximum information gain at minimal experimental effort.

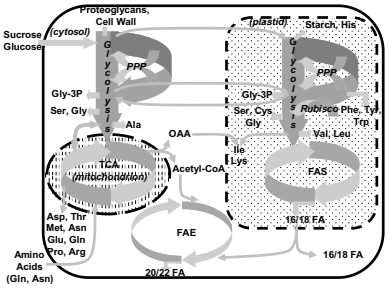


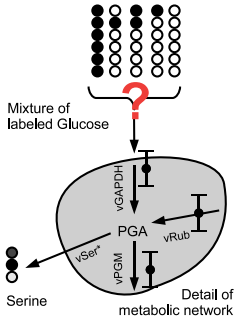


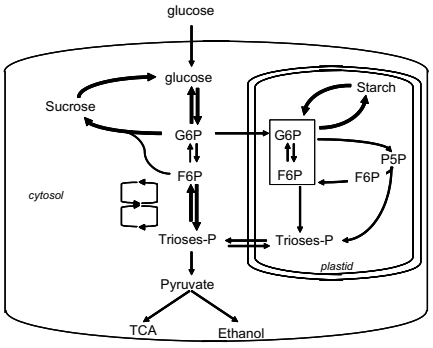
STEADY-STATE FLUX ANALYSIS

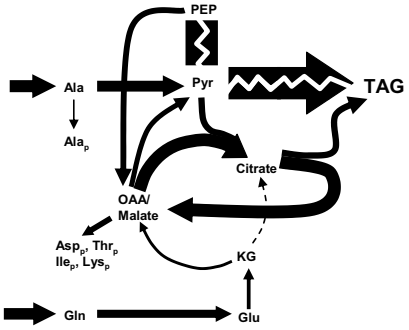


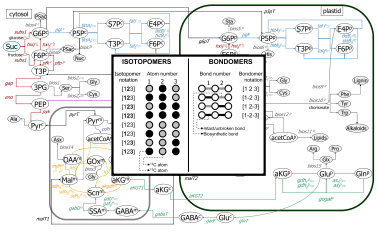












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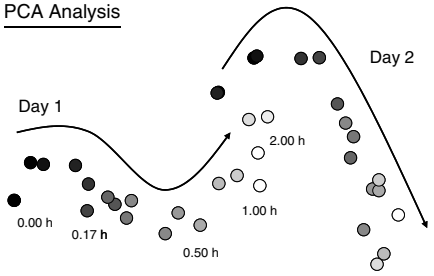
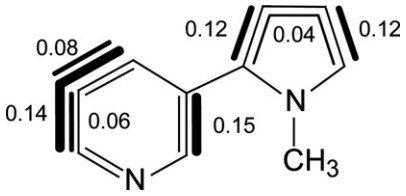
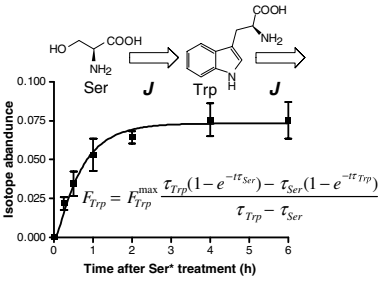
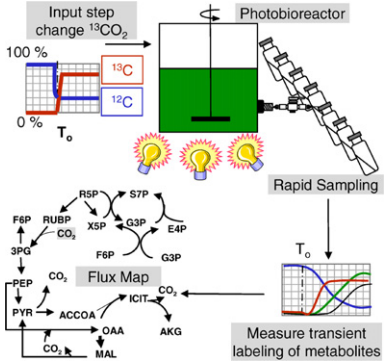
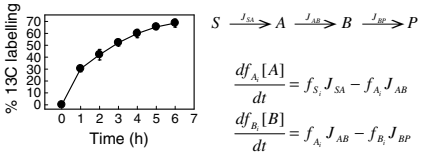


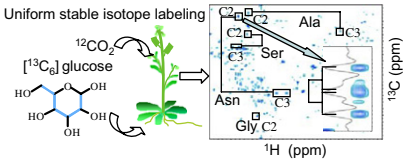


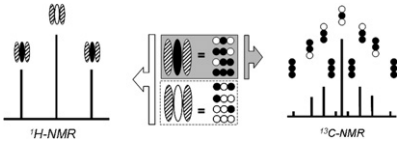


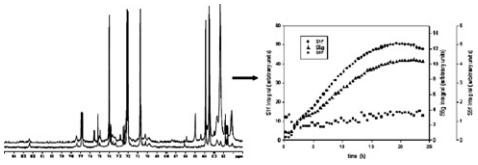


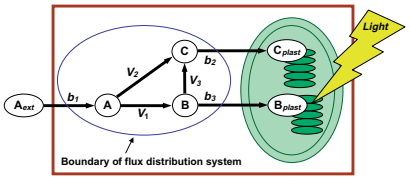


METHODOLOGY

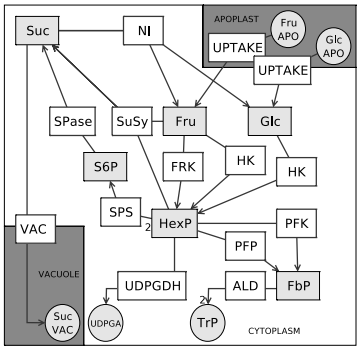


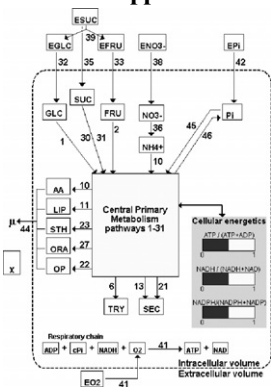






KINETIC MODELLING





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