



Metabolic Networks

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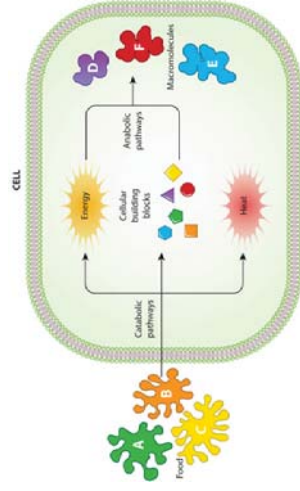
Research Center MATHEON
Mathematics for key technologies

Metabolic Networks, FU Berlin, SoSe 2016



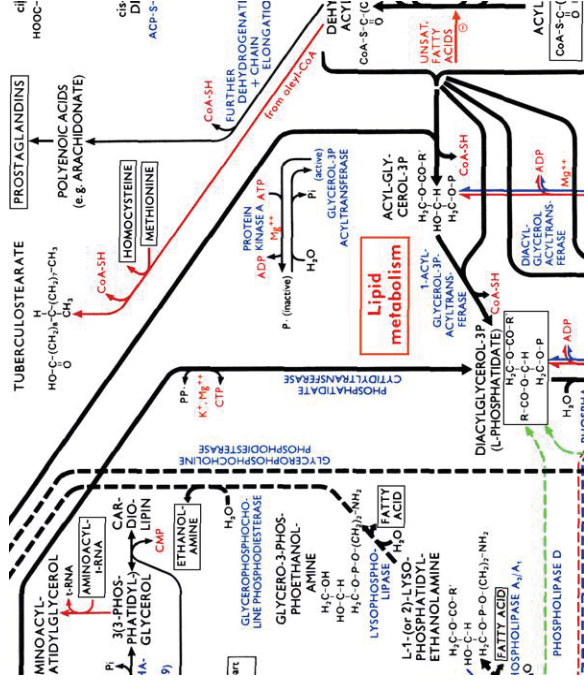
Importance

- △ Biology
 - ▶ Cell metabolism
 - ▶ Catabolism, anabolism
- △ Medicine
 - ▶ Metabolic disorders
 - ▶ Cancer
- △ Biotechnology
 - ▶ Biofuel
 - ▶ Bioleaching



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Metabolic networks

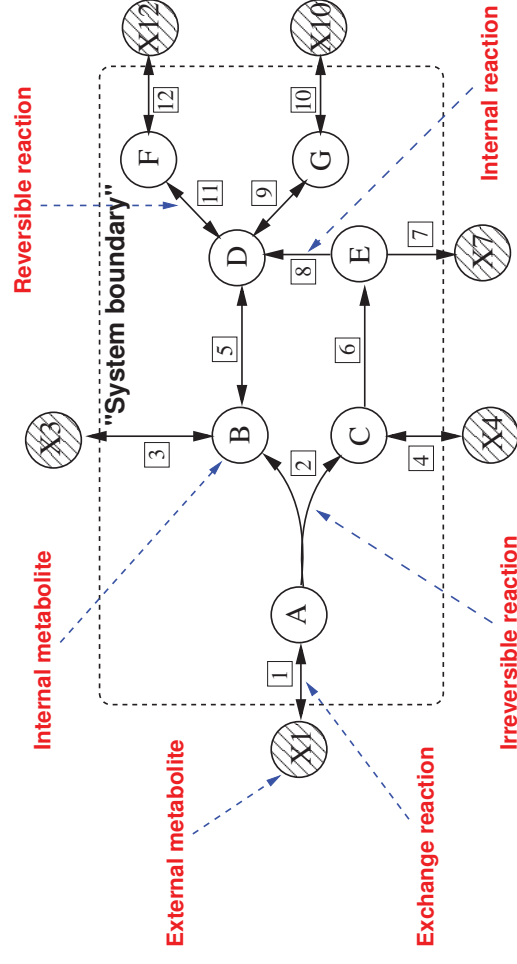


<http://web.expasy.org/pathways/>

A. Bockmayr, Metabolic Networks, 21 April 2016



Mathematical representation



A. Bockmayr, Metabolic Networks, 21 April 2016

