Chapter 4

General

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Tandar, S. T., *et al*. (2019). Optogenetic switch for controlling the central metabolic flux of *Escherichia coli*. *Metabolic Engineering* **55**: 68-75. https://doi.org/10.1016/j.ymben.2019.06.002

EMP and modified pathways

Senoo, S., *et al*. (2019). Light-inducible flux control of triosephosphate isomerase on glycolysis in *Escherichia coli*. *Biotechnology and Bioengineering* **116**(12), 3292-3300. https://onlinelibrary.wiley.com/doi/abs/10.1002/bit.27148

Methylglyoxal bypass

Senoo, S., *et al*. (2019). Light-inducible flux control of triosephosphate isomerase on glycolysis in *Escherichia coli*. *Biotechnology and Bioengineering* **116**(12), 3292-3300. https://onlinelibrary.wiley.com/doi/abs/10.1002/bit.27148

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Modified EMP pathways in Archaea

Johnsen, U., *et al*. (2019). New views on an old enzyme: allosteric regulation and evolution of archaeal pyruvate kinases. *The FEBS Journal* **286**(13), 2471-2489. https://febs.onlinelibrary.wiley.com/doi/abs/10.1111/febs.14837

Gluconeogenesis

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HMP pathway

ED and modified ED pathways

PK pathways

Metabolic analysis