**Chapter 5**

**General**

Zheng, X. *et al*. (2022). (Meta)Genomic analysis reveals diverse energy conservation strategies employed by globally distributed *Gemmatimonadota*. *mSystems* **7**(4), e00228-22. <https://journals.asm.org/doi/abs/10.1128/msystems.00228-22>

**TCA cycle**

Khazaal, S. *et al*. (2022). *Streptococcus agalactiae* imports spermidine by a member of the amino acid/polyamine antiporter family to endure citric acid stress at the vaginal pH. *Microbiology* **168**(8), 0.001219. <https://doi.org/10.1099/mic.0.001219>

**Anaplerotic sequence**

**Incomplete TCA fork and reductive TCA cycle**

**Energy transduction in prokaryotes**

**Proton (sodium) motive force, and acid and alkali tolerance**

Kengmo Tchoupa, A. *et al*. (2022). Bacterial adaptation strategies to host-derived fatty acids. *Trends in Microbiology* **30**(3), 241-253. <https://doi.org/10.1016/j.tim.2021.06.002>

Khazaal, S. *et al*. (2022). *Streptococcus agalactiae* imports spermidine by a member of the amino acid/polyamine antiporter family to endure citric acid stress at the vaginal pH. *Microbiology* **168**(8), 0.001219. <https://doi.org/10.1099/mic.0.001219>

**Electron transport**

Berg, J. S. *et al*. (2022). How low can they go? Aerobic respiration by microorganisms under apparent anoxia. *FEMS Microbiology Reviews* **46**(3), fuac006. <https://doi.org/10.1093/femsre/fuac006>

Farver, O. *et al*. (2022). Pulse radiolysis studies of temperature dependent electron transfers among redox centers in *ba*3-cytochrome *c* oxidase from *Thermus thermophilus*: Comparison of A- and B-type enzymes. *Biochemistry* **61**(22), 2506-2521. <https://doi.org/10.1021/bi100548n>

Franza, T. & Gaudu, P. (2022). Quinones: more than electron shuttles. *Research in Microbiology* **173**(6), 103953. <https://doi.org/10.1016/j.resmic.2022.103953>

Kravchuk, V. *et al*. (2022). A universal coupling mechanism of respiratory complex I. *Nature* **609**(7928), 808–814. <https://doi.org/10.1038/s41586-022-05199-7>

Tokunou, Y. *et al*. (2022). Physiological benefits of oxygen-terminating extracellular electron transfer. *mBio* **13**(6), e01957-22. <https://journals.asm.org/doi/abs/10.1128/mbio.01957-22>

**Adenosine triphosphate (ATP) and ATPase**

Frasch, W. D. *et al*. (2022). F1FO ATP synthase molecular motor mechanisms. *Frontiers in Microbiology* **13**, 965620. <https://doi.org/10.3389/fmicb.2022.965620>

**Other prokaryotic energy transduction mechanisms**