* Can I use aHL’s with transport to replenish what’s going on inside, and somehow get directed outward flow of items I don’t want?
* Note that ecoli uses ATP for other things it wants but that we may not particular want
  + Any way to sequester/get rid of those
* For example: can add free phosphate first then with the pores does it flow out?
  + Compare vesicles w and without pores
* How to maximize outer flux
* MsbA - ABC uptake porters take up a large variety of nutrients, biosynthetic precursors, trace metals and [vitamins](https://en.wikipedia.org/wiki/Vitamins), while exporters transport [lipids](https://en.wikipedia.org/wiki/Lipid), [sterols](https://en.wikipedia.org/wiki/Sterol), [drugs](https://en.wikipedia.org/wiki/Drug), and a large variety of primary and secondary metabolites.

Papers to read

* TxTl toolbox 2.0, pores
* Papers on vesicle outer solution = Kate Adamala