Wednesday, December 2, 2020

* Get a 50-100 mL glass beaker
* Work in fume hood, use glass syringe for everything
  + Dip white part of glass syringe in chloroform before using
* Get 100 uL of the 50 mg/mL cholesterol in chloroform (dissolve into chloroform solution of POPC)
  + Can find cholesterol in 20C fridge
  + Find chloroform in flammable chemical stock (place into extra tube)
  + POPC in 20C Fridge
* Add 200 uL of 25 mg/mL POPC (5mg) and swirl
  + In tube in 20C
  + Aka 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine
* Add 10 uL of 1 mg/mL Rho-DPPE (~0.25 mol %) asnd swirl
  + In box in 20C
* Evaporate in 55C bead heater (takes 1-2 hrs)
* Add 1 mL mineral oil and swirl
* Put in 55C bead heater for 15 min
* Cool for 5 min on bench

Incubate following for 10 min on ice:

* 150 uL of lipid/oil on top of 225 uL outer solution (1)
* 2 tubes of 225 uL outer solution (2, 2)
* 1 tube of 400 uL outer solution (3)
* 20 uL inner solution (4)
* 500 uL lipid/oil (5)

Cool centrifuge to 4C

* Add 20 uL inner solution (4) to 500 uL of 4C lipid/oil mixture (5)
* Vortex for 2 minutes
* Make sure there’s no visible droplet, keep on ice

**Aux Info**

Outer solution

* 200 mM glucose, 100 mM HEPES

Inner solution

* 1.5 uL HTPS and 28.5 uL inner solution