**prepare surfactant solution & measure its surface tension**
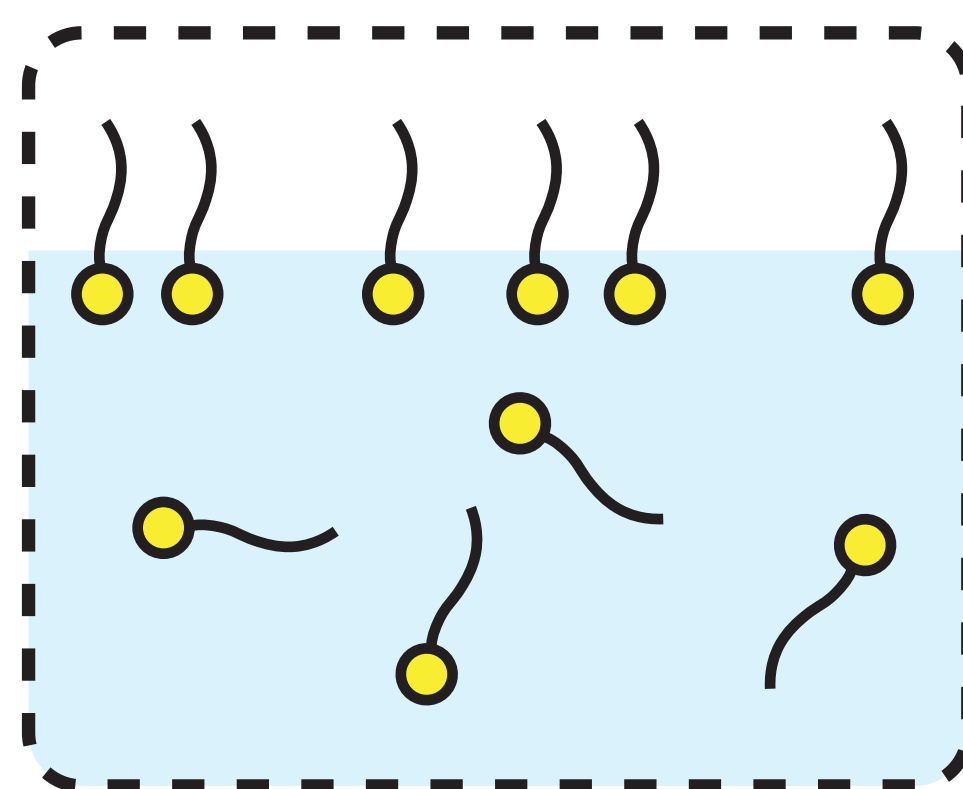
surfactant

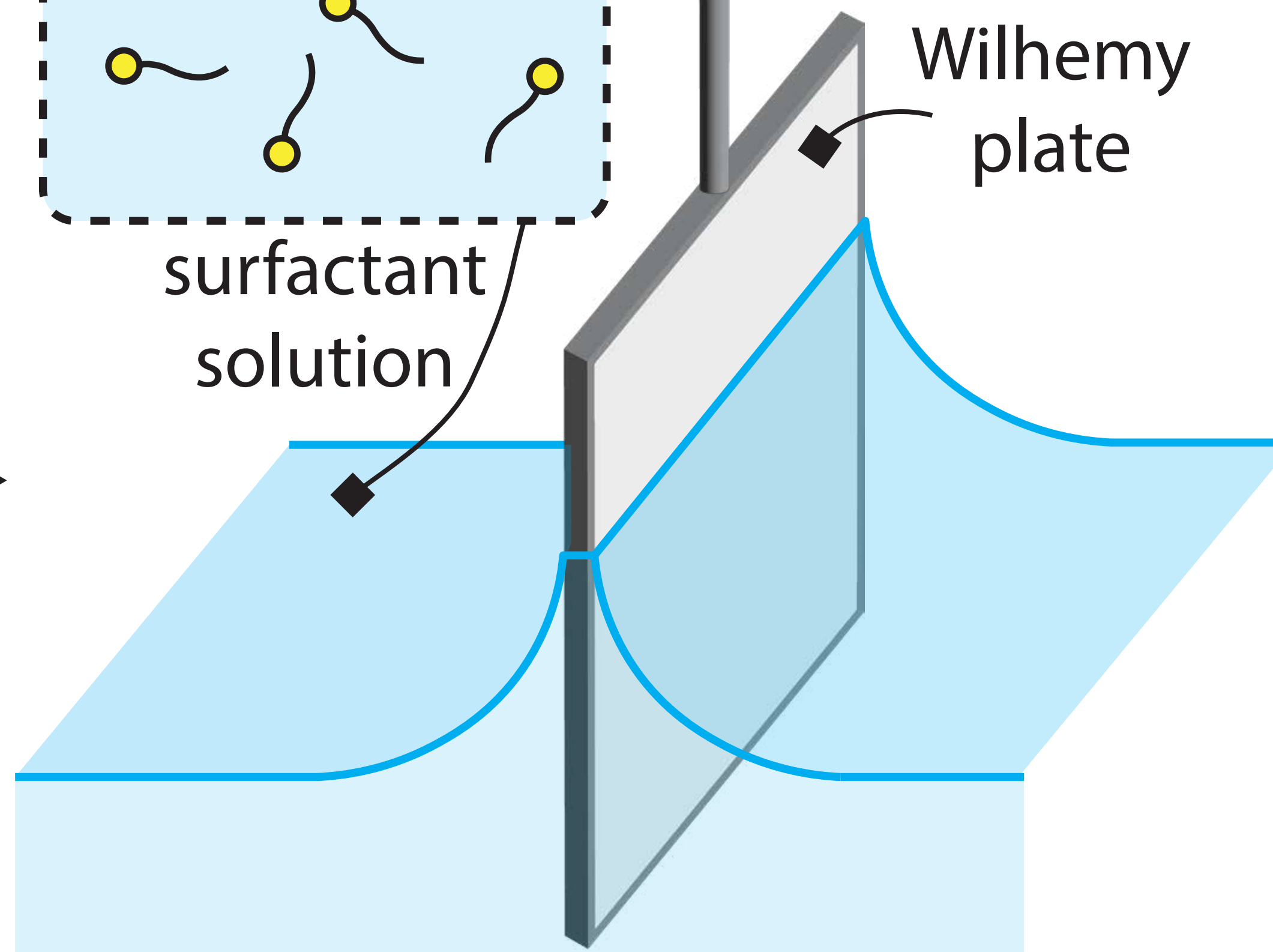water
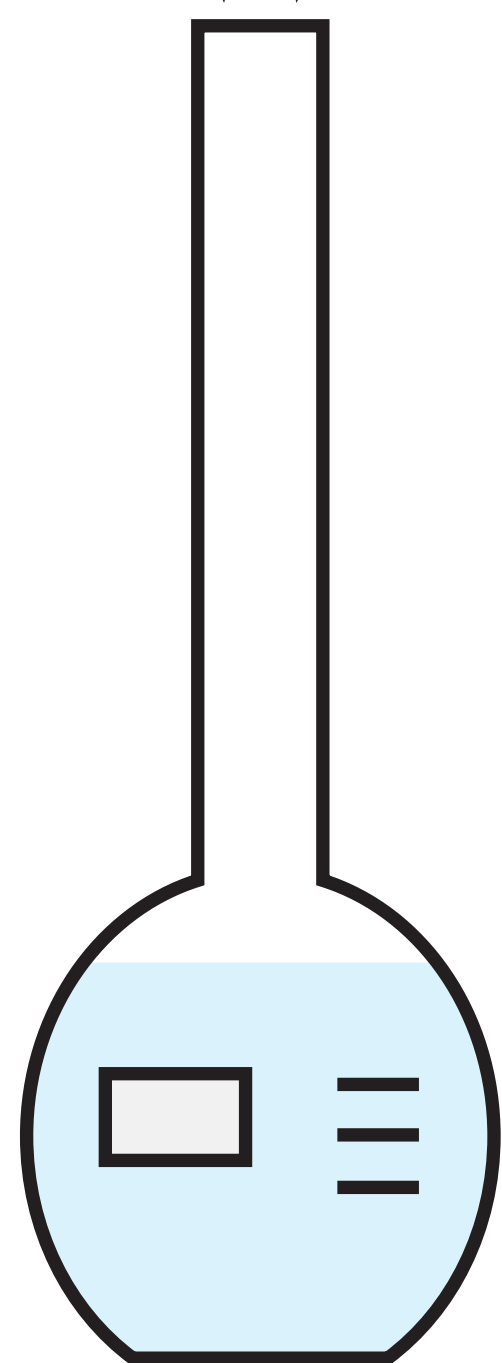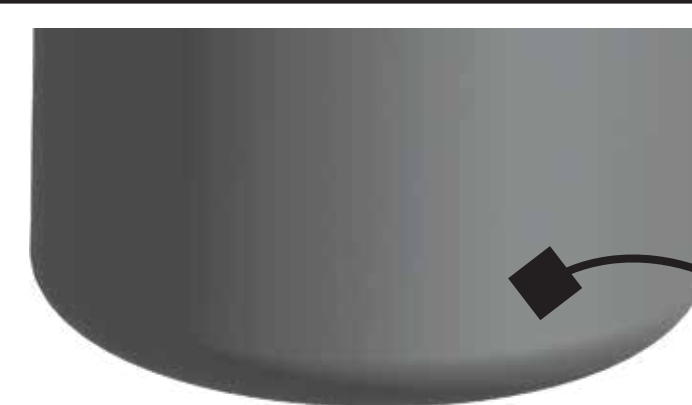
microbalance
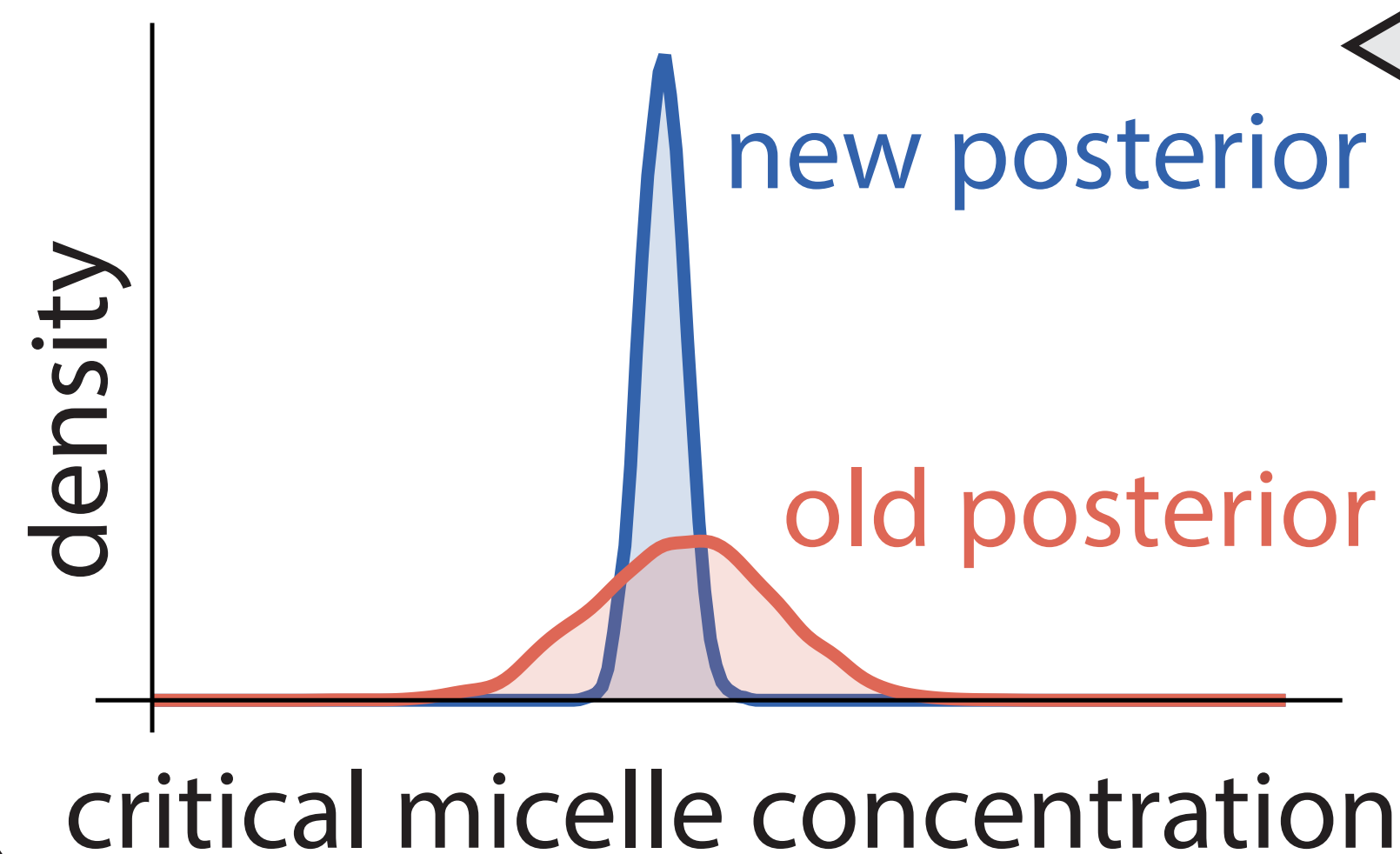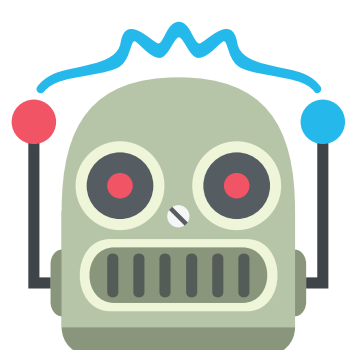
force

surfactant solution

Wilhemy plate

new surfactant concentration

data point

**pick new surfactant concentration**

want to gain information about the CMC.

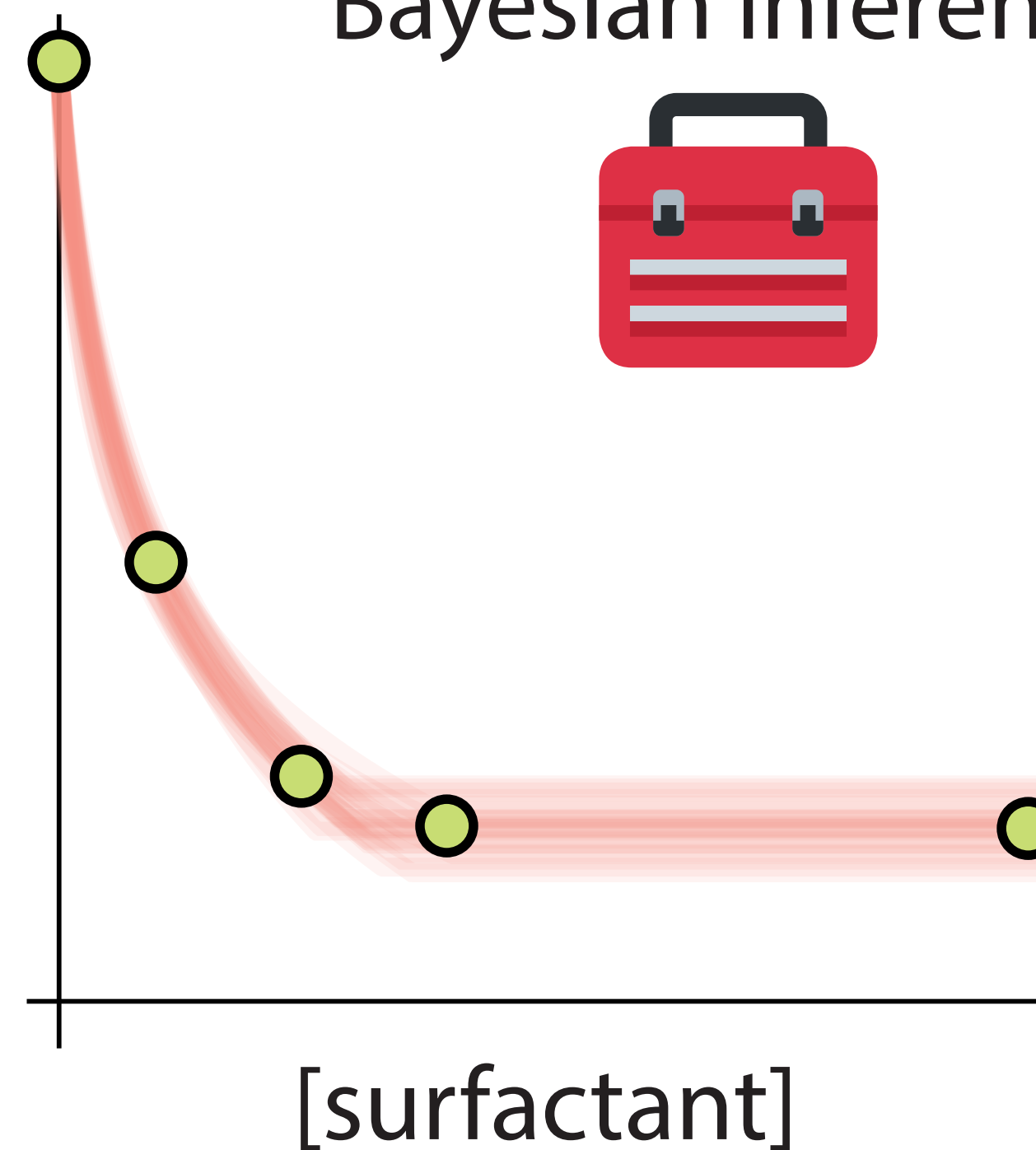**update surfactant adsorption model**

Bayesian inference

narrow credible interval for CMC?

STOP

density

new posterior

old posterior

critical micelle concentration

surface tension

[surfactant]