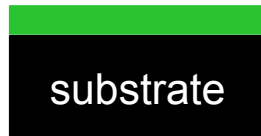


(a)

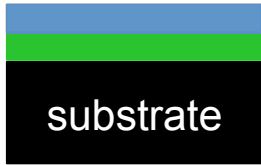
negatively charged substrate





dip sample in positively charged polymer PAH solution, rinse off excess

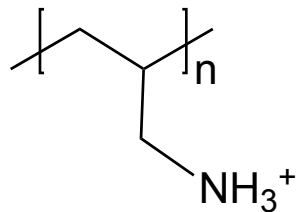


dip sample in negatively charged polymer PSS solution, rinse off excess

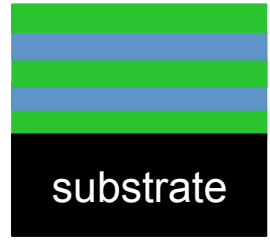
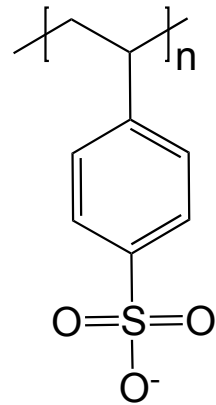


 = PAH⁺
 = PSS⁻

poly(allylamine hydrochloride) [PAH⁺]



poly(4-styrene sulfonate) [PSS⁻]



polyelectrolyte multilayer [PEM] (example with 2.5 bilayers)

repeat process as many times as desired



end with positively charged polymer on top for binding negatively charged molecules

