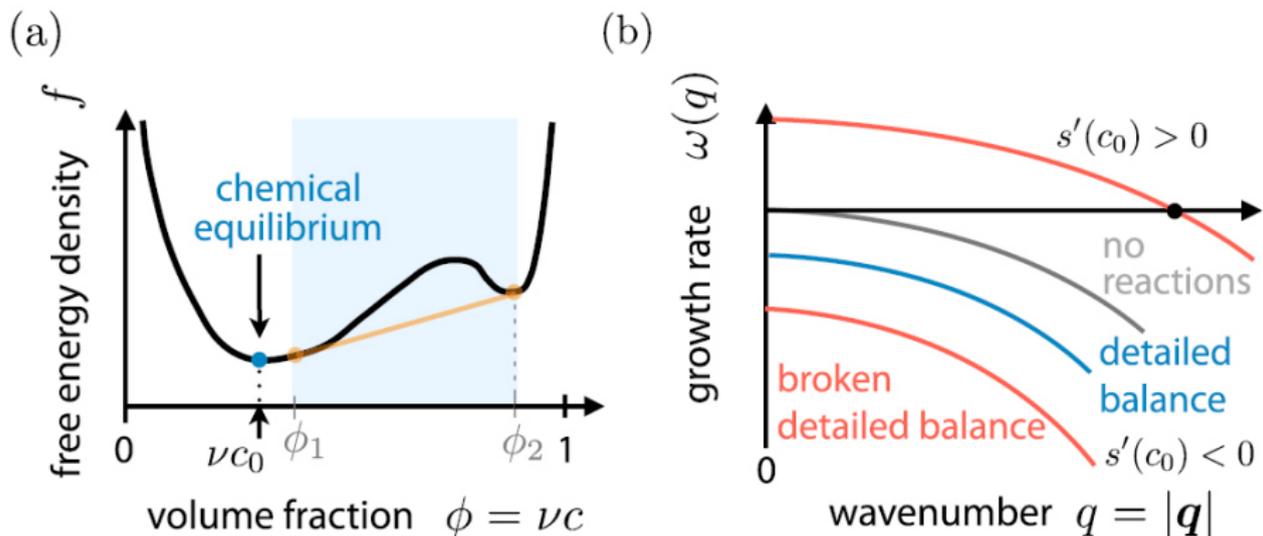


Cours 4 et cours 5-Emulsions actives

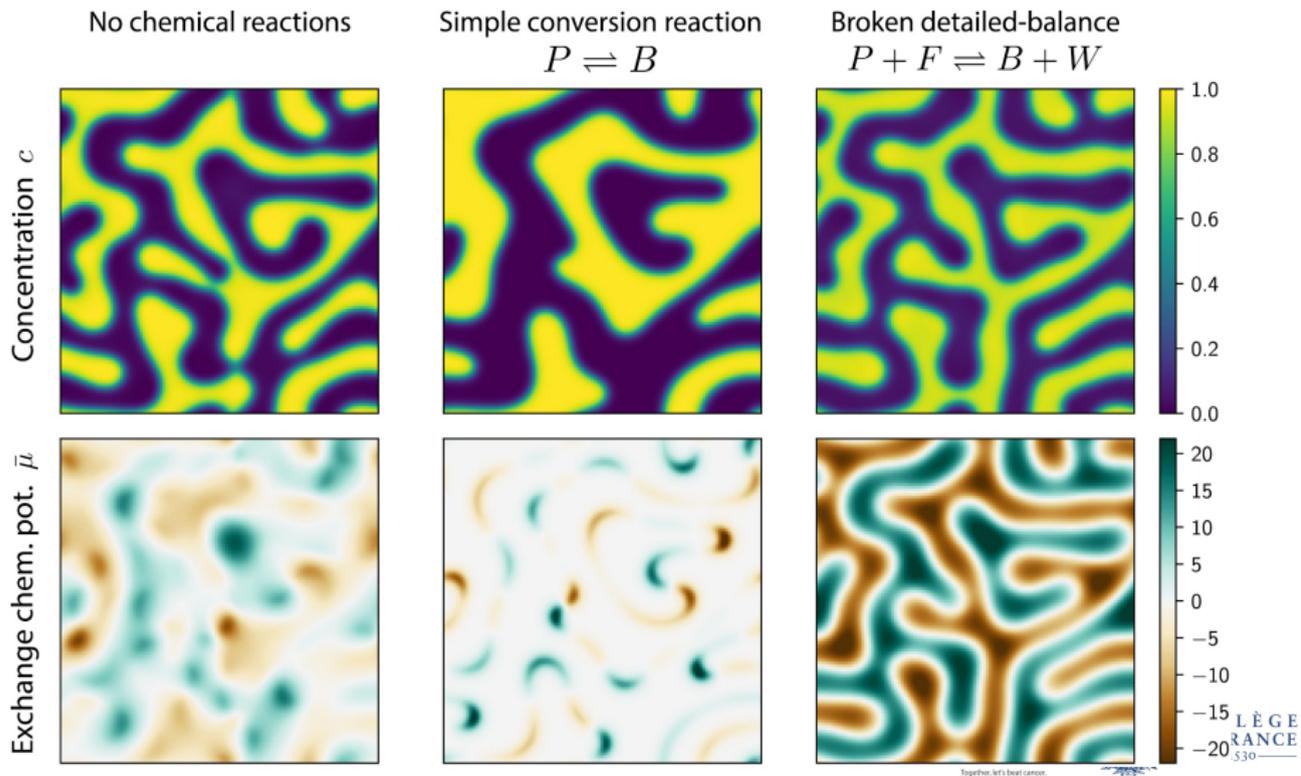
J.F. Joanny

Cours 4 et cours 5, Collège de France, 28 novembre et 5 décembre
2022

Décomposition spinodale en présence d'une réaction chimique *Weber et al. Zwicker et al.*



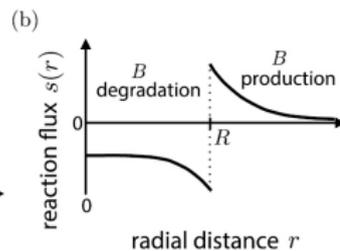
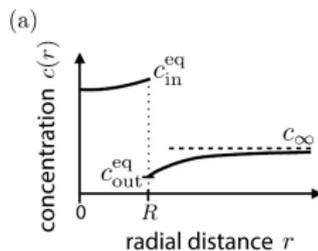
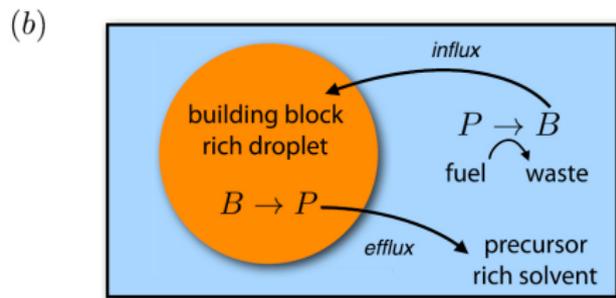
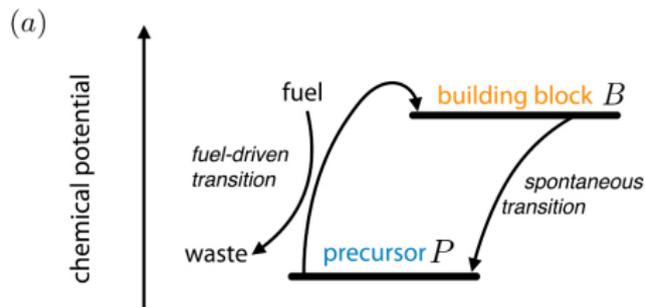
Dynamique de séparation de phase



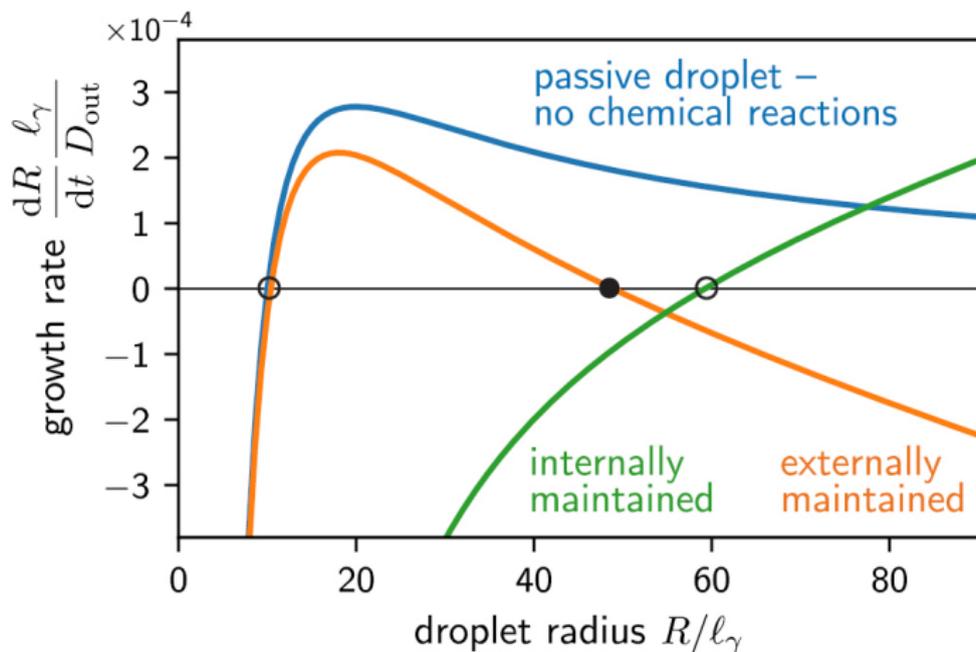
Together, let's level cancer.

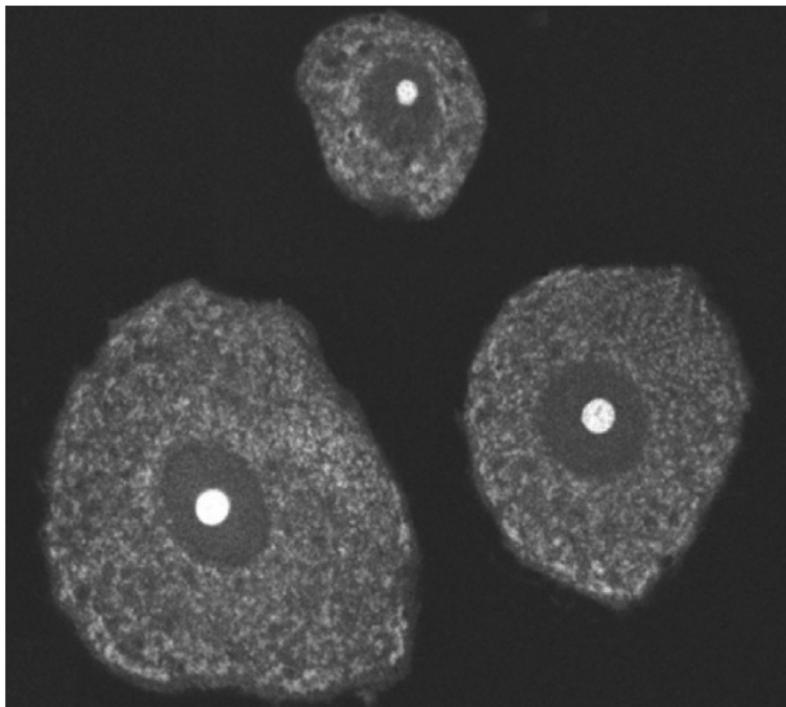
L'ÉGE
RANCE
530

Croissance d'une goutte dans un milieu infini *Weber et al.* *Zwicker et al.*



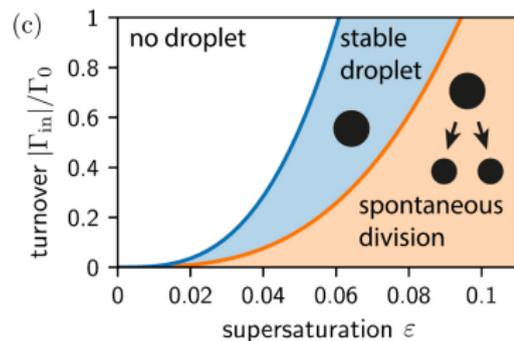
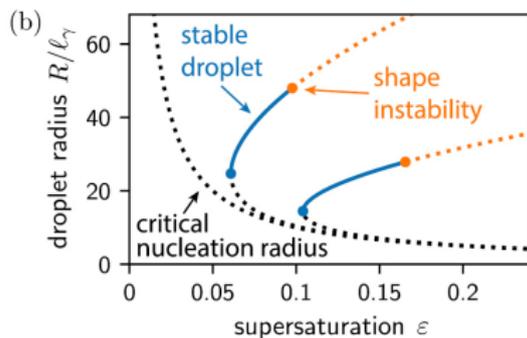
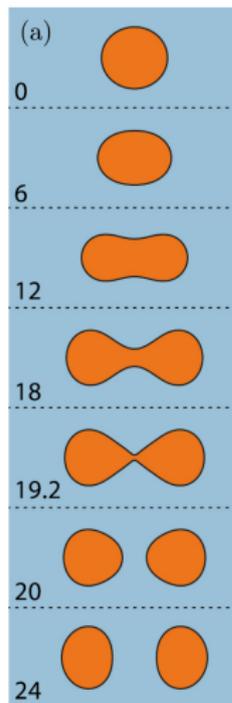
Croissance de gouttes



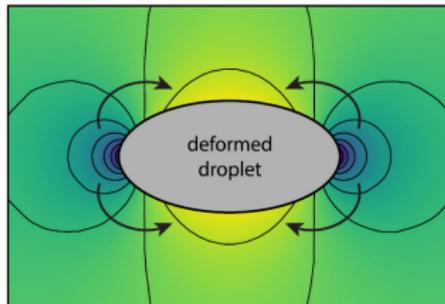


- Nucléole dans un neurone

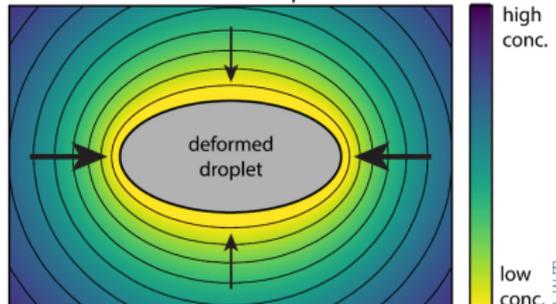
Division spontanée de gouttes *Zwicker et al*



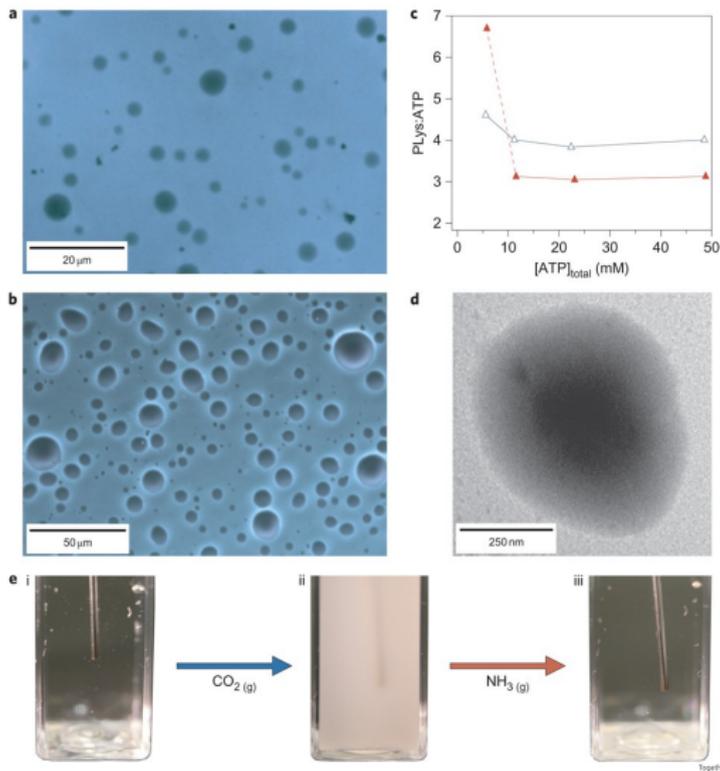
(d) Fluxes due to surface tension effects



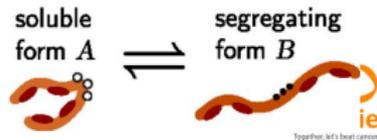
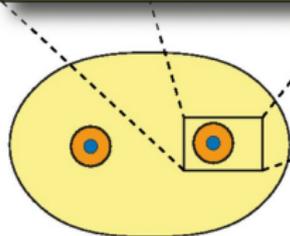
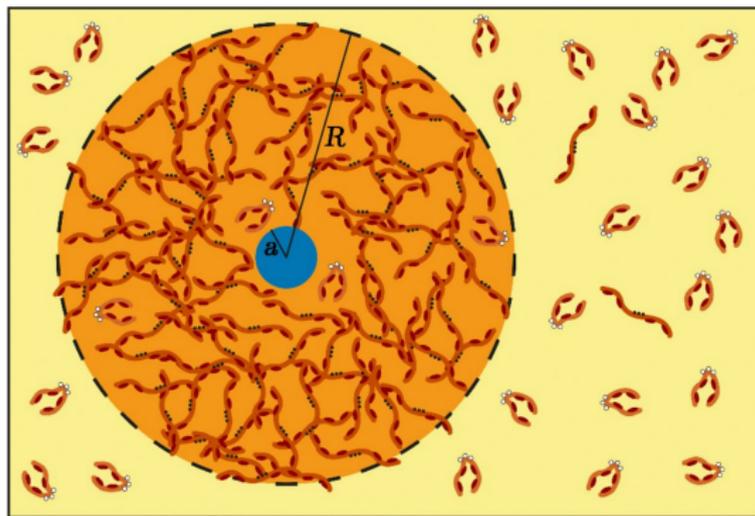
Fluxes due to external supersaturation



Modèles de protocellules *Koga et al.*

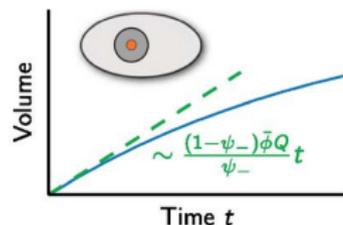


Condensat biologique du centrosome *Zwicker et al.*

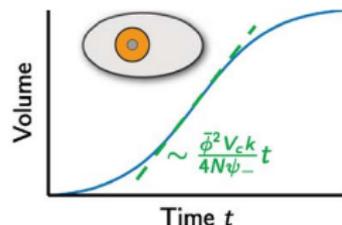


Cinétique de croissance du centrosome *Zwicker et al., Decker et al.*

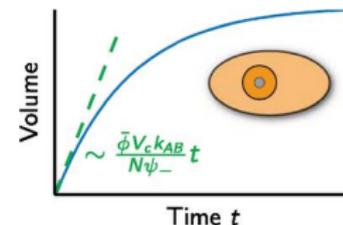
A Incorporation at the centrioles



B Autocatalytic growth



C First-order kinetics



● Embryons de *C. Elegans*

