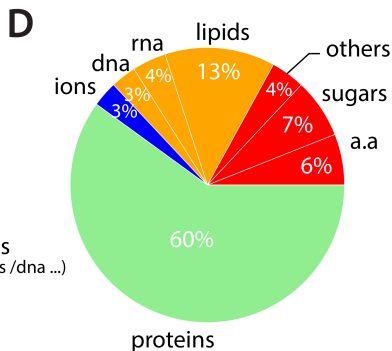
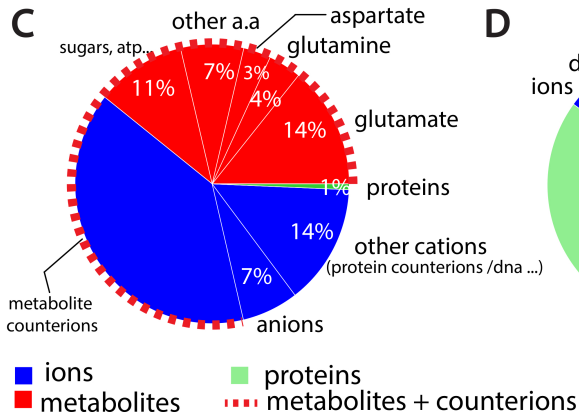


Cours 2-Modèle osmotique: “pompes et fuites”

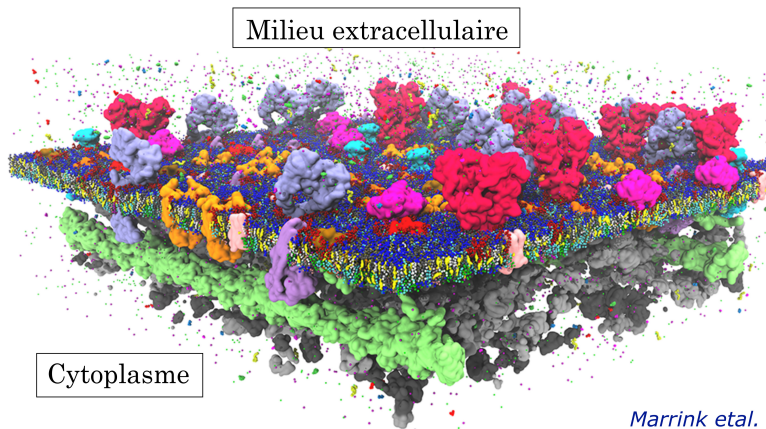
J.F. Joanny

Cours 2, Collège de France, 12 février 2024

Pression osmotique et masse sèche

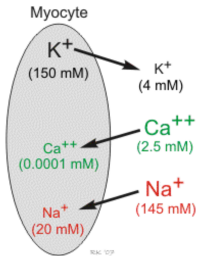


Membrane plasmique

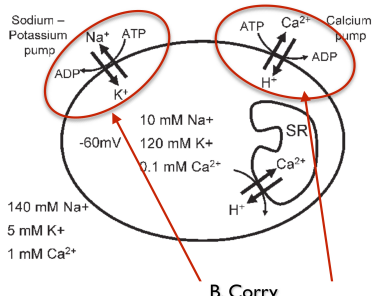


- Protéines membranaires : canaux, pompes, récepteurs
- Tension membranaire

Transport membranaire

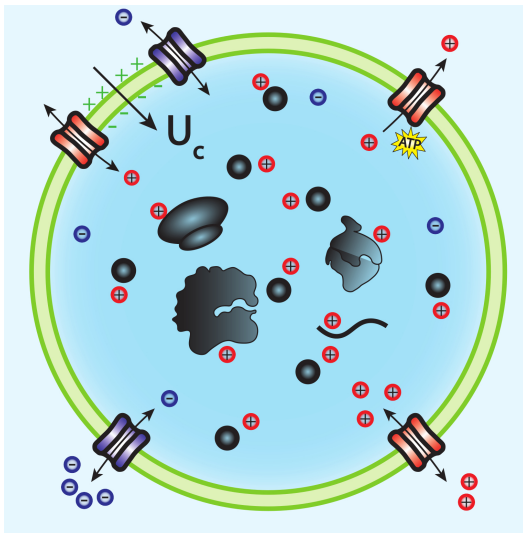


Cardiovascular Physiology Concepts
R. Klabunde,
<https://www.cvphysiology.com/>

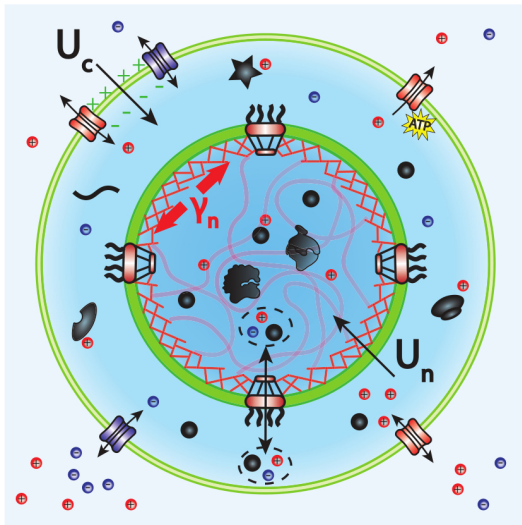


- Canaux ioniques passifs
- Pompes active : pompe sodium-potassium
- Canal pour l'eau : aquaporine

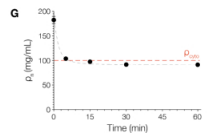
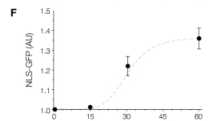
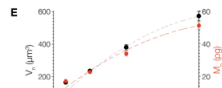
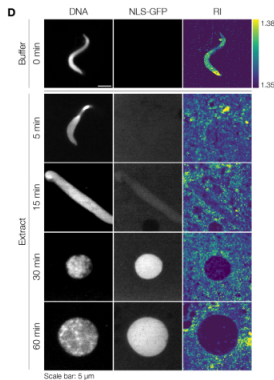
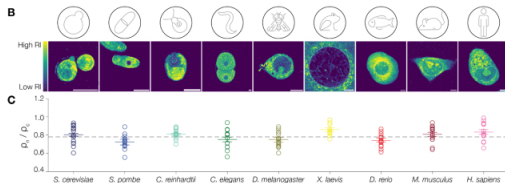
Modèle “Pompes et fuites” *Tosteson et Hoffman*



Equilibre osmotique à la membrane nucléaire



Densité de la cellule et densité du noyau



Biswas, Reber

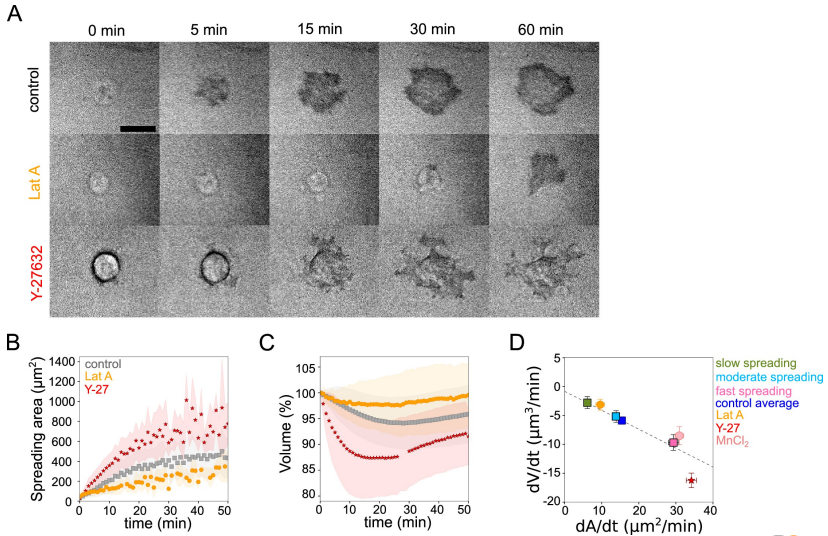
Joanny

Cours collège 2024

Collège



Volume de cellules en étalement



Venkova et al