

Cours 4-Reticulum Endoplasmique

J.F. Joanny

Cours 4, Collège de France, 16 février 2026



Reticulum endoplasmique et Microtubules

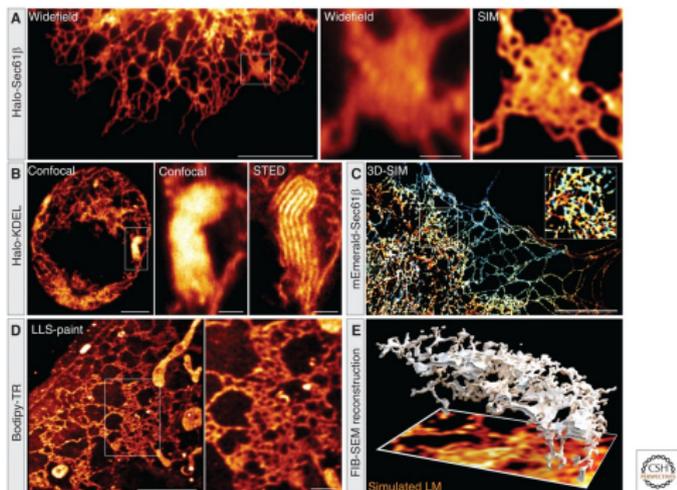
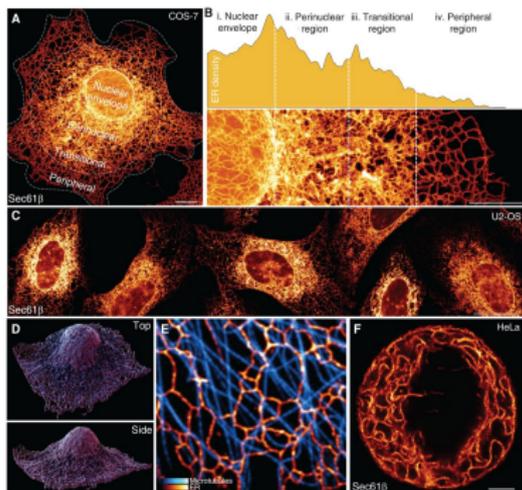
A. Kimura

J.Salle, N. Miné

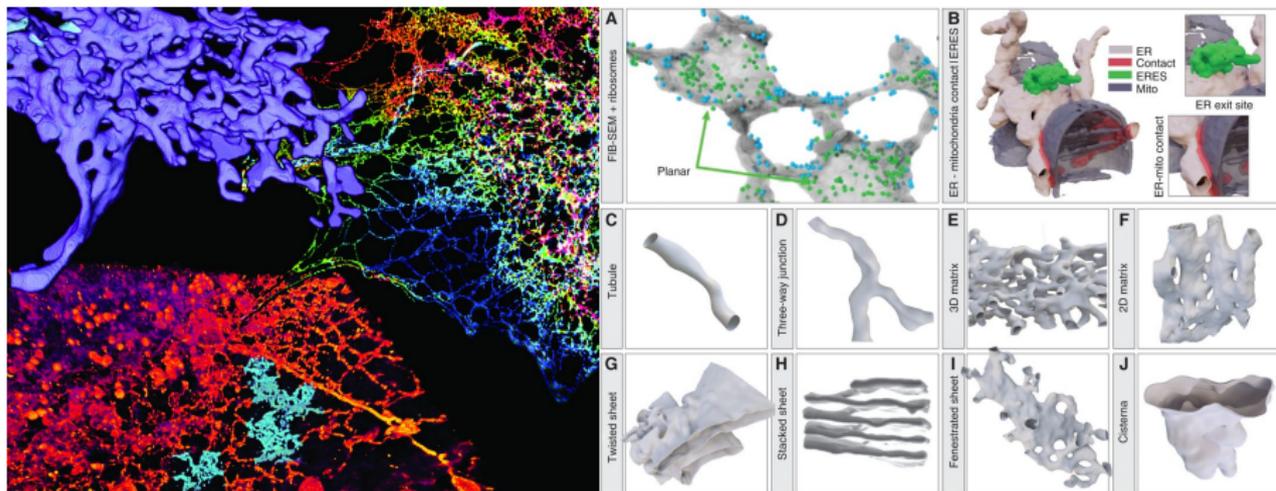


institutCurie
Together. Let's beat cancer.

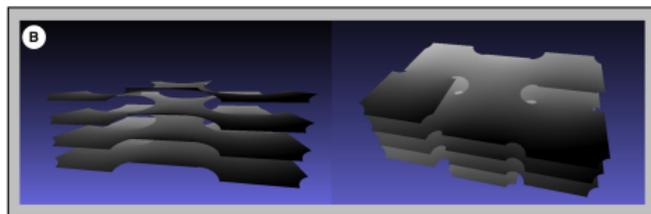
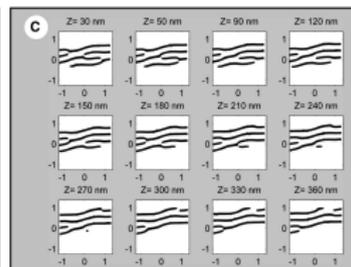
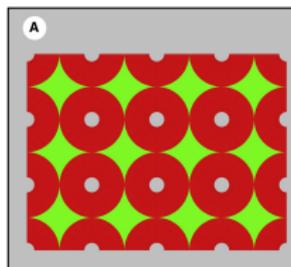
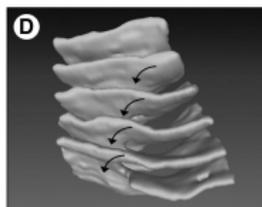
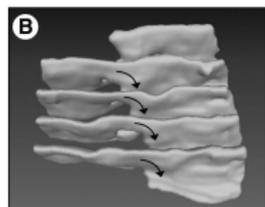
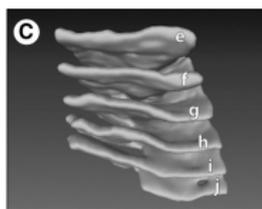
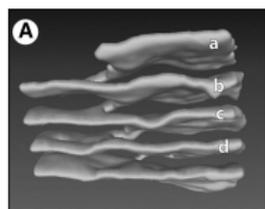
Structure du Reticulum Endoplasmique Obara



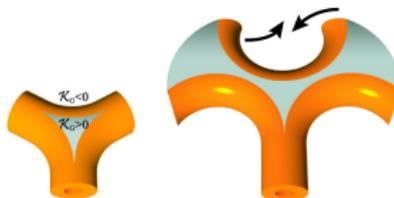
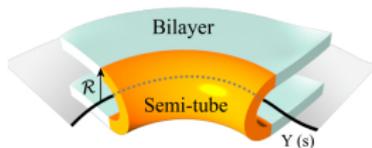
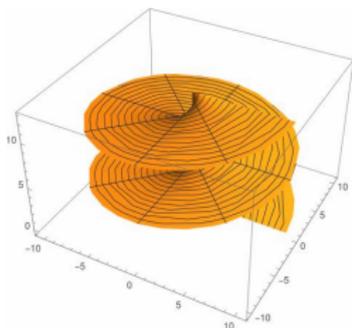
Structure du Reticulum Endoplasmique Obara



Rampes de Terasaki *Terasaki et al.*

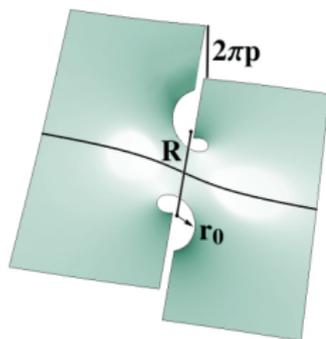


Rampes de Terasaki Guven et al.

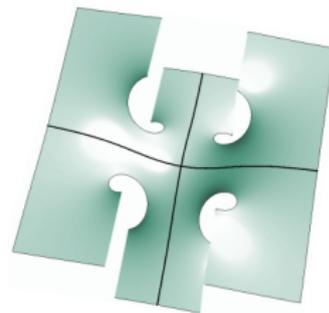


(a) Tube junction

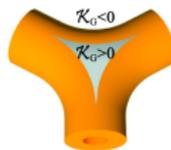
(b) Tubular cleavage



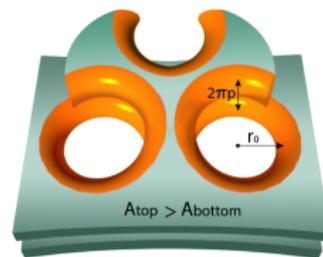
(a) Minimal dipole



(b) Minimal quadrupole

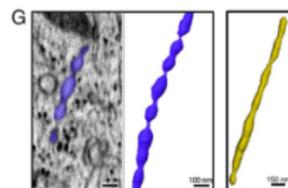
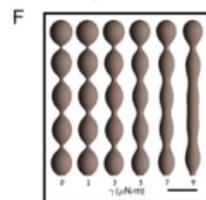
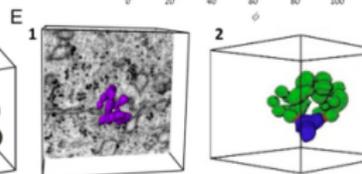
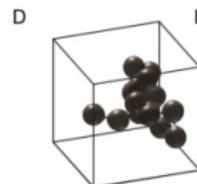
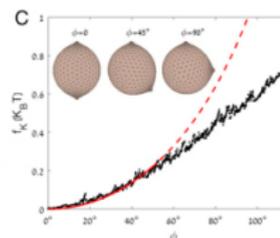
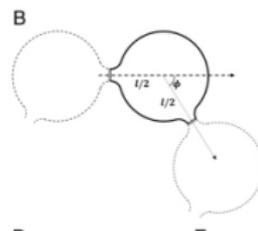
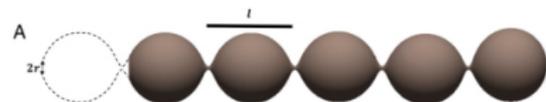
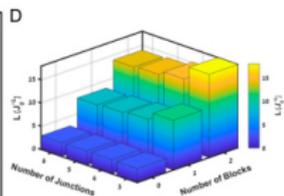
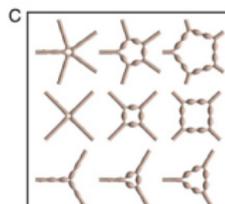
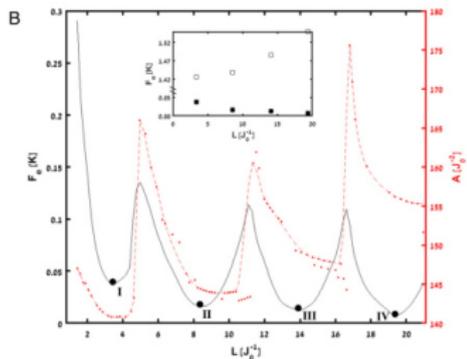
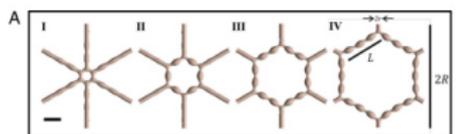


(a) 3-way tube junction

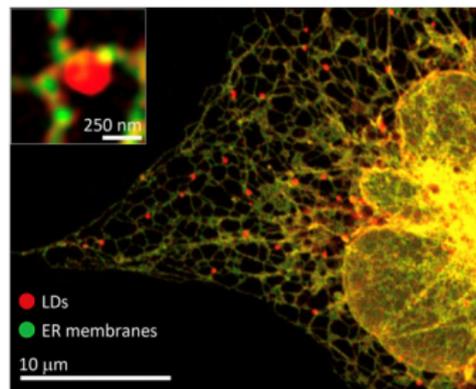
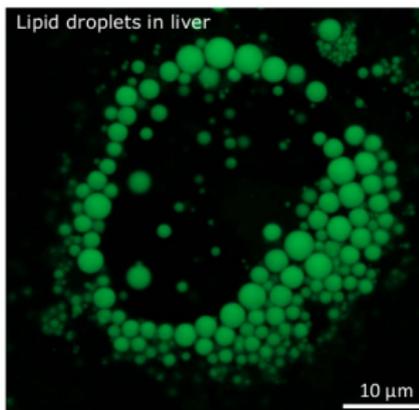


(b) Tubular cleavage

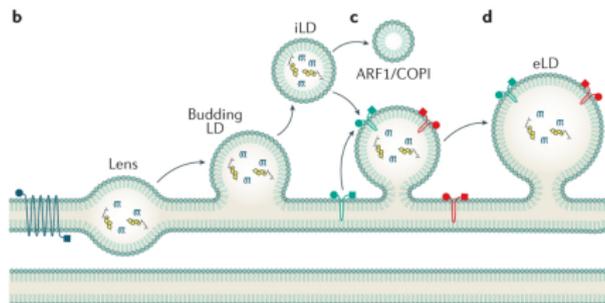
Sites de sorties du ER Zucker et Kozlov



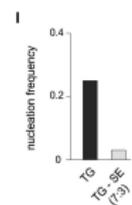
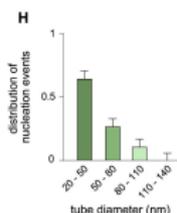
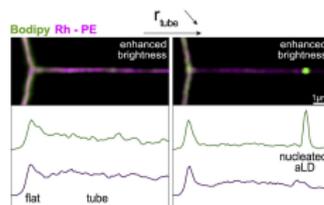
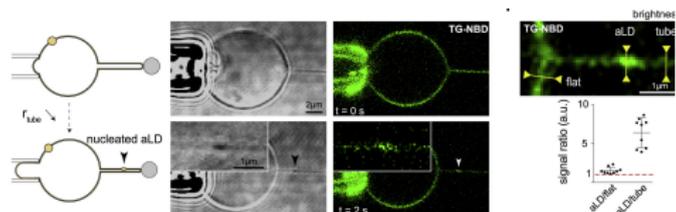
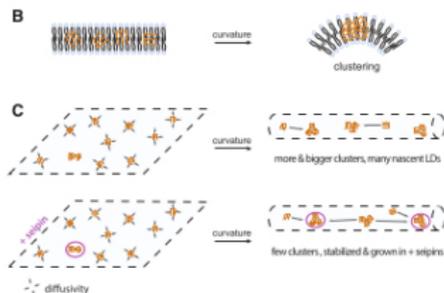
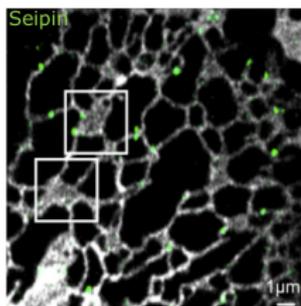
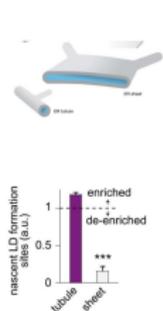
Goutetelettes lipides A.R.Thiam



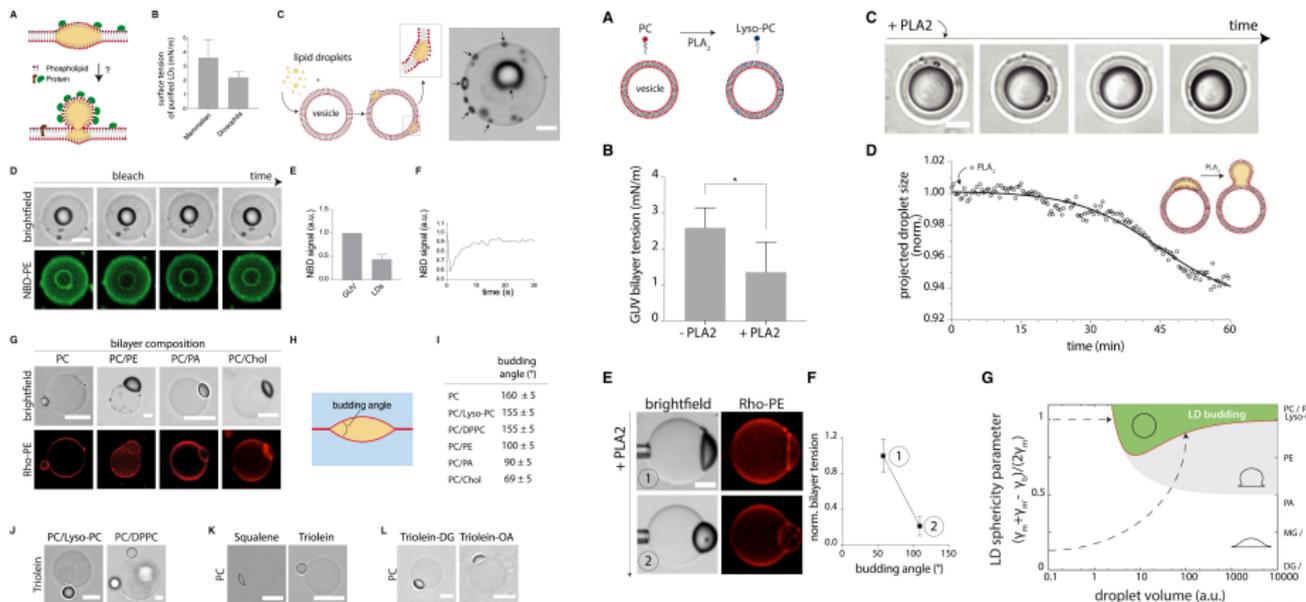
Pol et al. JCB 2014



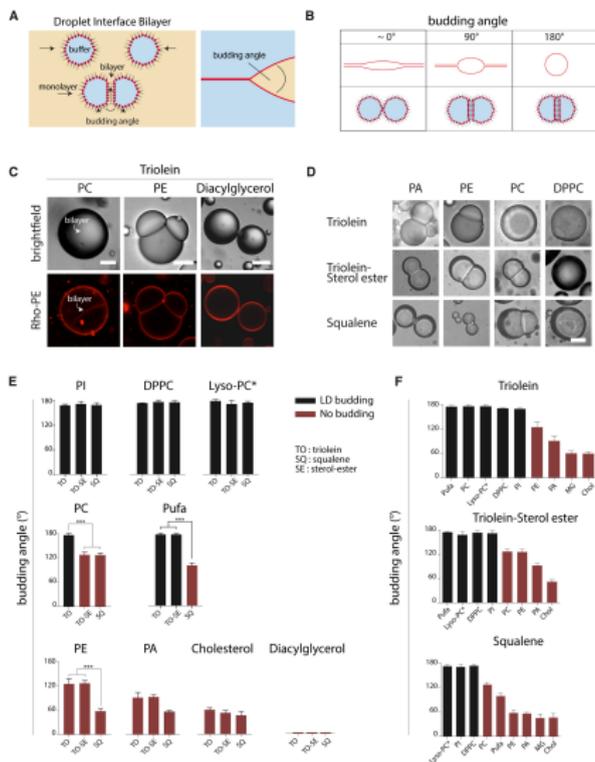
Nucléation de gouttelettes lipidiques A.R.Thiam



Goutetelettes lipides, tension de surface A.R.Thiam



Mesure de l'angle d'émergence



Gouttes émergentes d'un tube

