

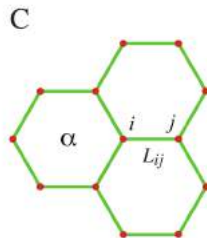
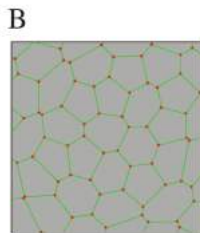
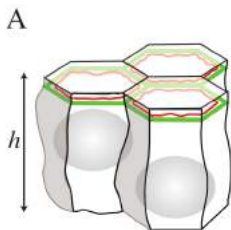
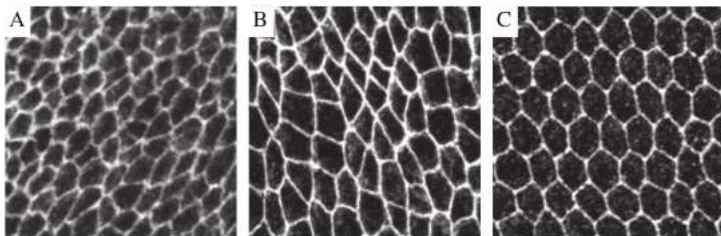
# *Cours 3 et 4 : Modèles de Vertex*

J.F. Joanny

Cours 3 et 4, Collège de France, 17 et 24 février 2020



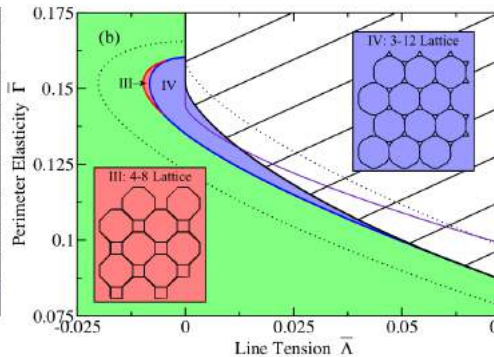
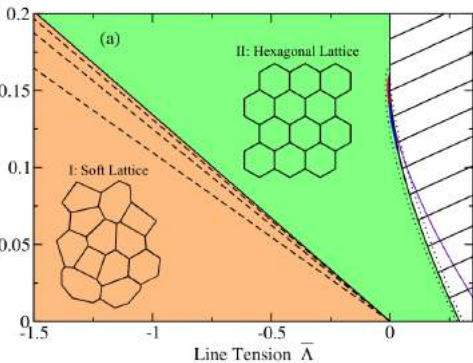
# Monocouche Epitheliale



S. Grill

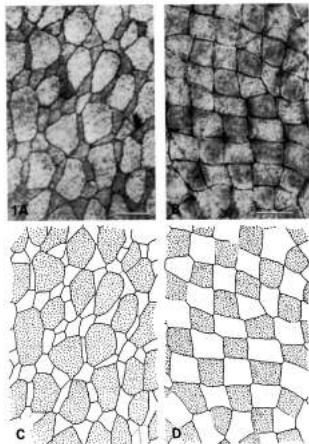
E. Paluch

# Etat fondamental d'un tissu



## D. Staple

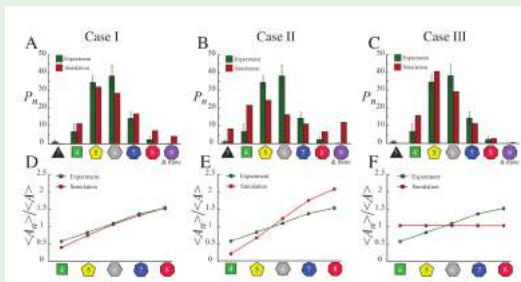
# Epithelium de l'oviducte des oiseaux *Honda et al*



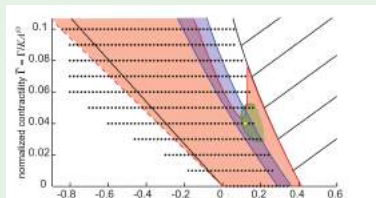
- 2 types de cellules : Transformation d'un réseau de Kagomé à un réseau carré

# Disque imaginal de l'aile de la drosophile

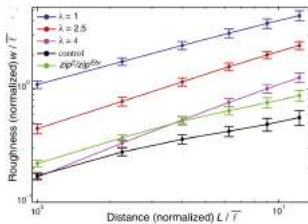
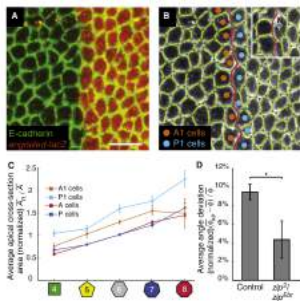
## Propriétés géométriques *R. Farhadifar*



## Paramètres du modèle de vertex

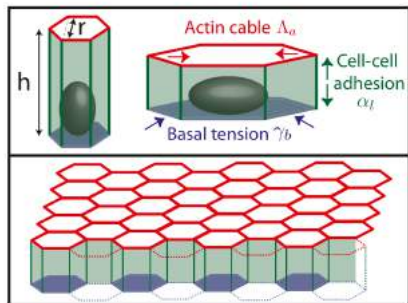


# Frontière entre compartiments antérieur et postérieur *K. Landsberg et al.*



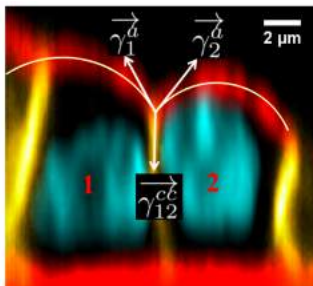
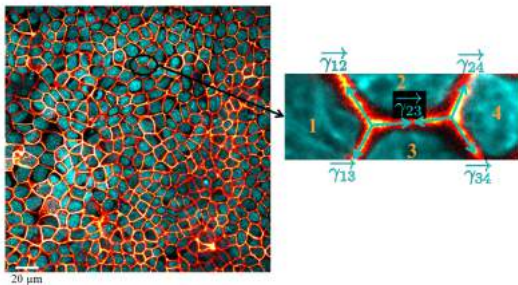
## Modèle de vertex

# Modèle de vertex à 3 dimensions

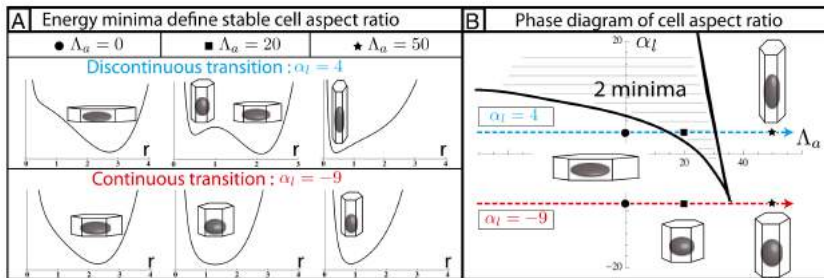




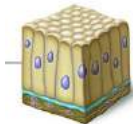
# Tension dans un epithelium *N. Harmand*



# Forme des cellules *E. Hannezo*



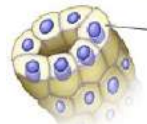
Epithelium colonnaire  
: intestin



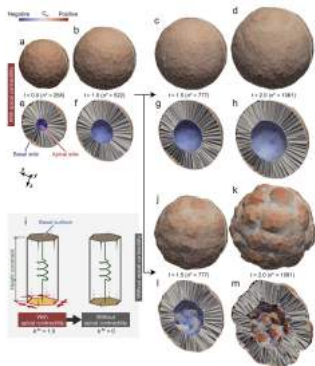
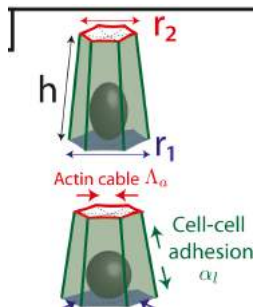
Epithelium  
pavimenteux : poumon



Epithelium cuboïdal :  
tubules du rein



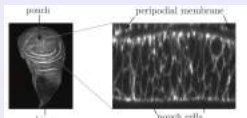
# Epithelium courbé



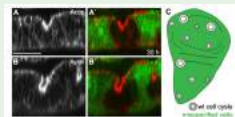
Okuda et al.

# Formation de cystes *C. Bielmeyer et al.*

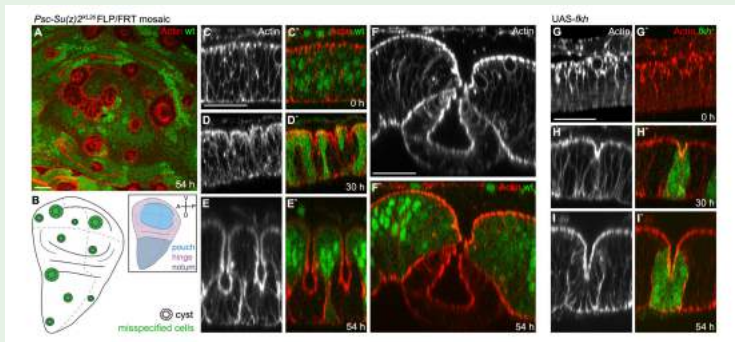
## Disque imaginal de la drosophile



## Cystes inversés



## Formation de cystes



# Modèle de vertex pour la formation de cystes *S. Alt*

