

Cours 3 : Sphéroïdes multi-cellulaires

J.F. Joanny

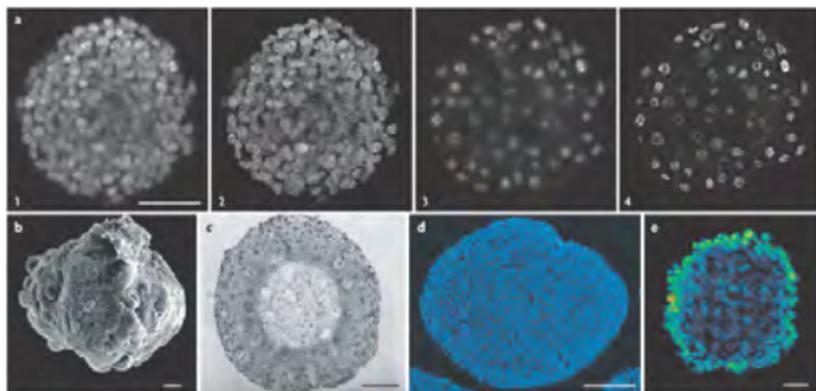
Cours 3, Collège de France, 22 février 2021



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Sphéroïdes Multi-cellulaires



Nature Reviews | Molecular Cell Biology

E. Stelzer

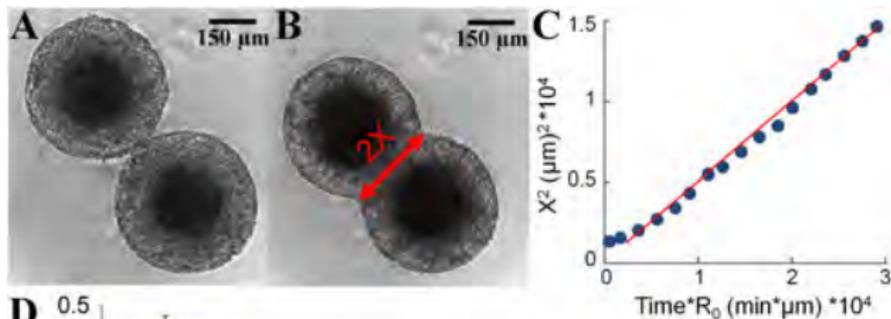
Montel



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Comportement liquide des Sphéroïdes

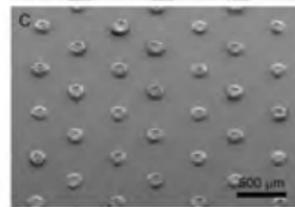
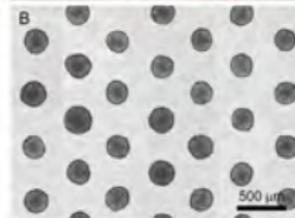
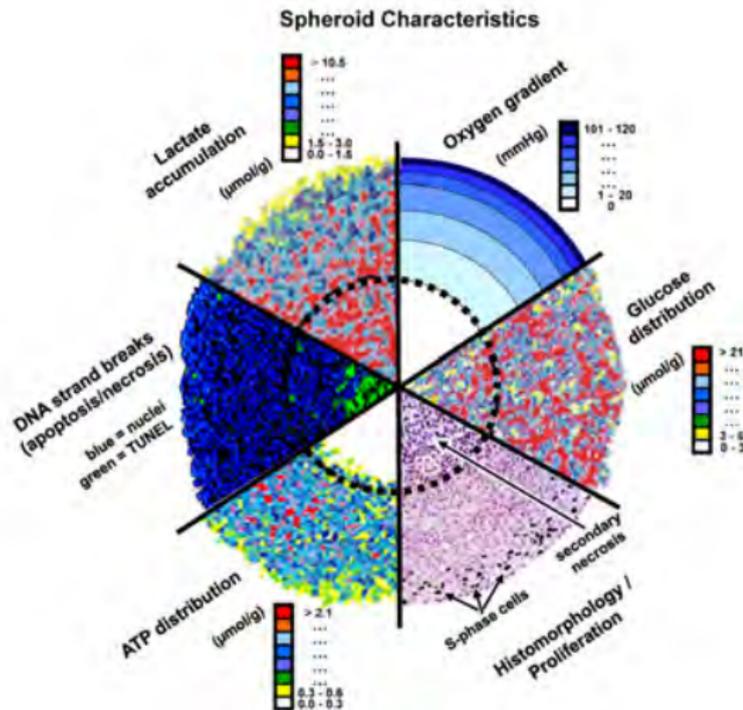


D

$$X^2 = R\gamma t / \eta$$

Mgharbel et al.

Propriétés des sphéroïdes

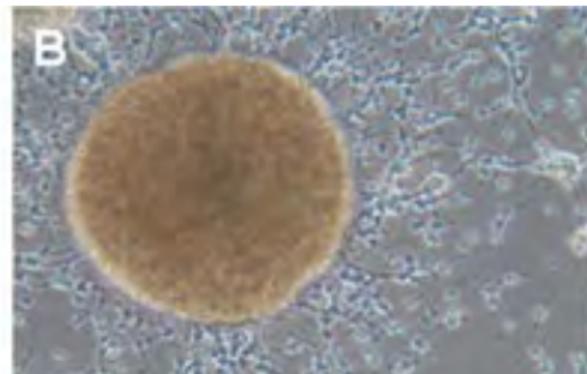
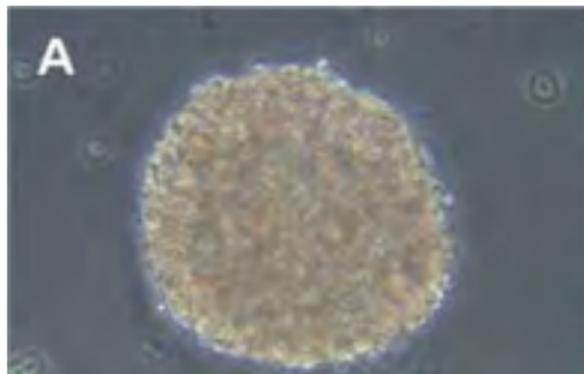


Hirschhaueser et al.

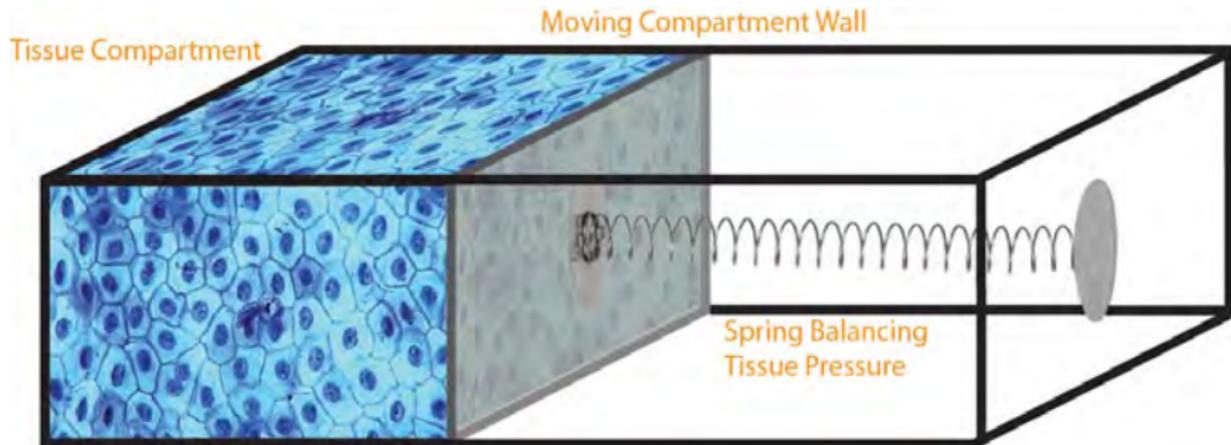
Agrégats Multicellulaires

Clevers

Nasoy



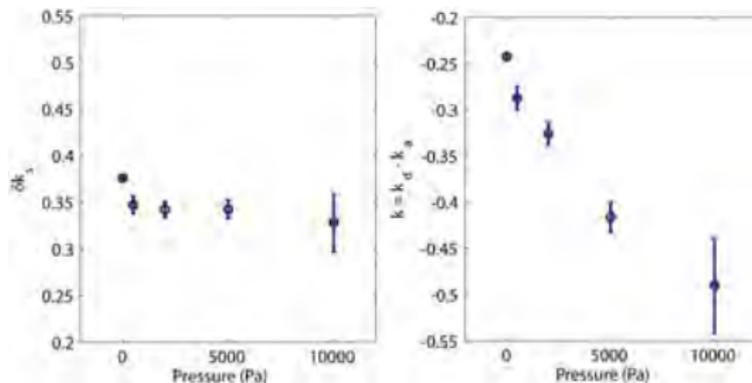
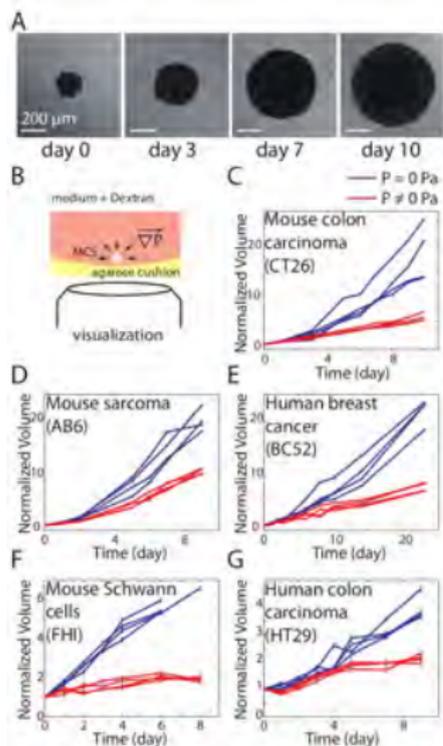
Pression homéostatique *M. Basan*



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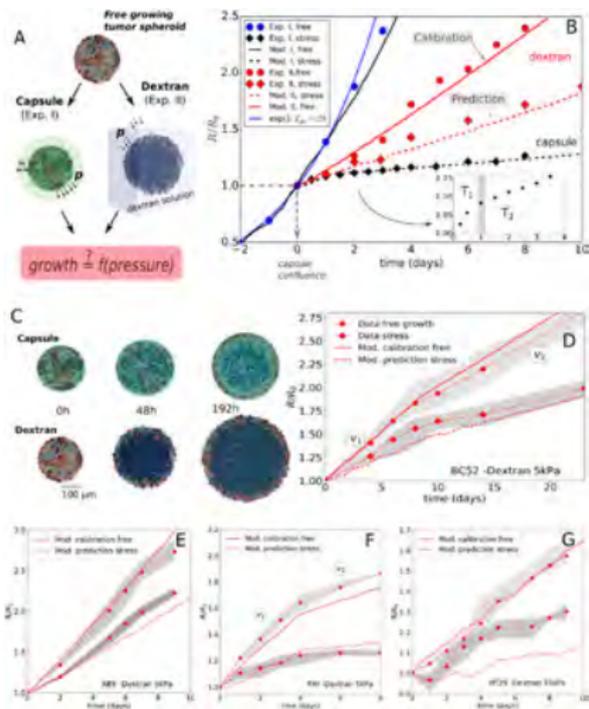
Croissance de sphéroïdes *M. Delarue*



Pression homéostatique négative

Elgeti

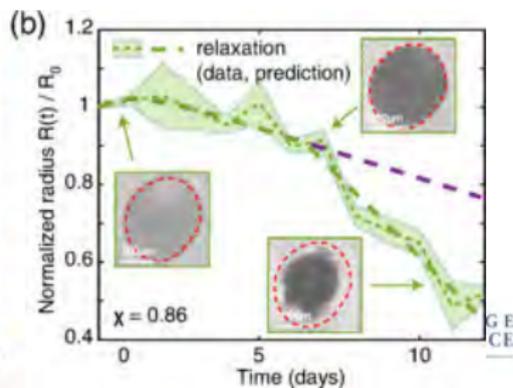
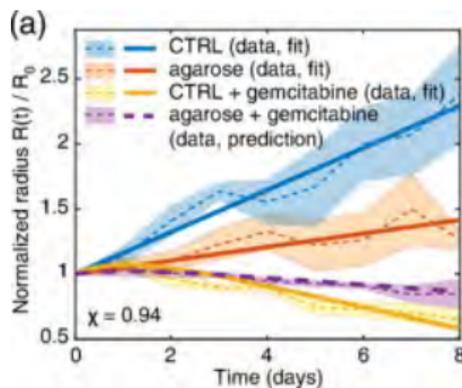
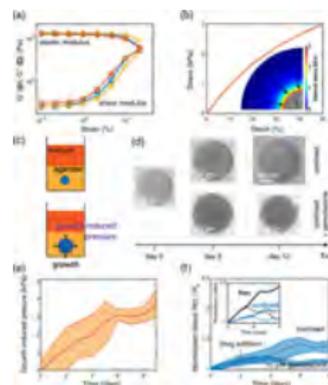
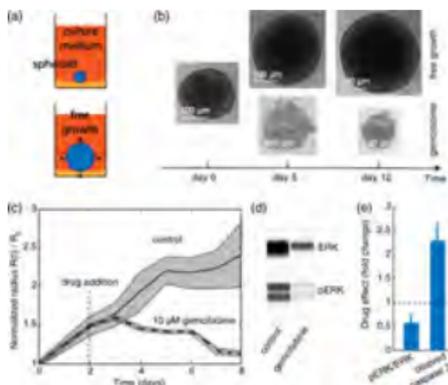
Simulations numériques *Drasdo, Nassoy*



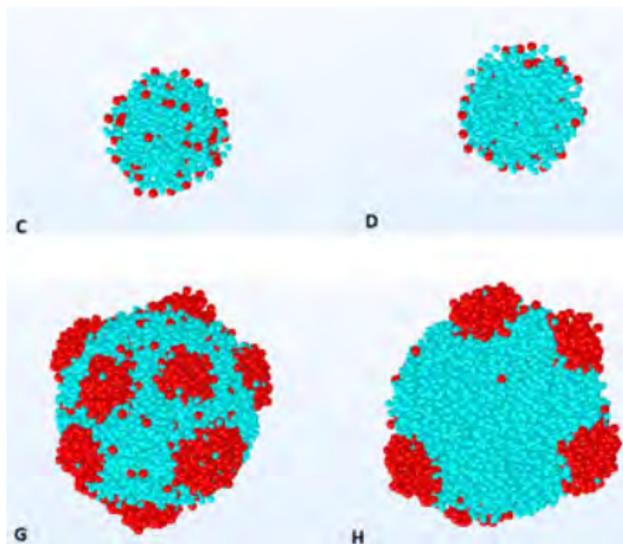
- Croissance de la pression au coeur due à des effets actifs : le tissu est un liquide actif
Delarue et al.



Effet de drogue sur la croissance d'un sphéroïde *M. Delarue*



Sphéroïdes en co-culture *P. Benaroch, J.Nikolic*



J. Ackermann



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