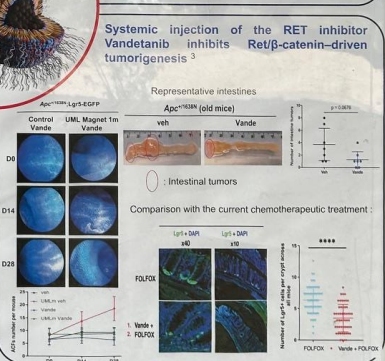
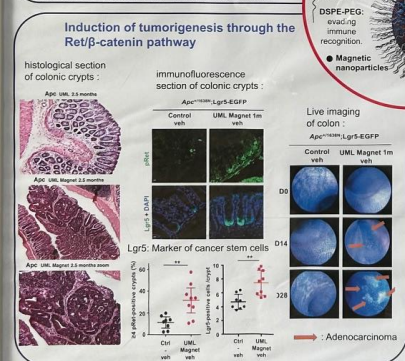
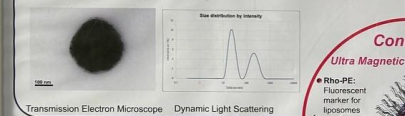
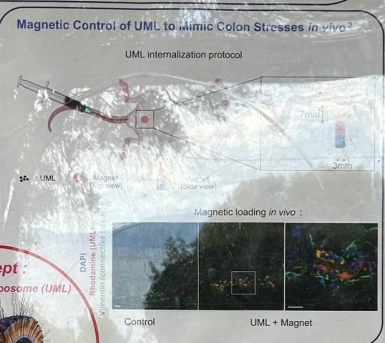
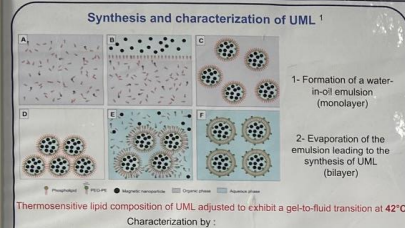
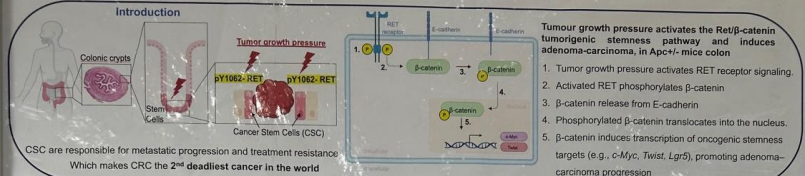


Mechanical induction of colon stem cells by tumor growth pressure in cancer progression

Laurie Expósito^{1,2}, ME Fernández-Sánchez^{1,2}, THN Ho-Bouloires^{1,2}, K Sollier^{1,2}, L Zamfirou^{1,2}, F Broders-Bondan^{1,2}, P Bradbury^{1,2}, C Champenois^{1,2}, R Leclère^{1,2}, N André^{1,2}, D Mesleard^{1,2}, A Michel^{1,2}, C Demeure^{1,2}, M Tanter^{1,2}, C Ménager^{1,2}, E Farge^{1,2}

¹Physique des Matériaux, ESPCI-ParisTech, PSL Research University, Sorbonne Université, CNRS UMR 3680 Physique des Cellules et des Tissus, Sorbonne Université, 13 rue Pierre et Marie Curie, 75005, Paris, France. ²Physique des Matériaux, ESPCI-ParisTech, PSL Research University, Sorbonne Université, CNRS UMR 3215, INSERM U934, Sorbonne Université, 13 rue Pierre et Marie Curie, 75005, Paris, France. ³Physico-chimie des Électrolytes, Sorbonne Université, CNRS, Paris, France. ⁴Physico-chimie des Électrolytes, Sorbonne Université, CNRS, Paris, France. ⁵Sorbonne Université, INSERM, CNRS, Institut de la vision, Paris, France.

* Corresponding author: lexposito@curie.fr



Conclusion

- Our results show that mechanical stress activates the tumorigenic Ret/β-catenin pathway in the colonic epithelium of Apc^{+/+}1638N mice.
- This mechanotransduction also occurs in non-tumorous crypts compressed by hyperproliferative neighbors.
- These observations suggest that mechanical stimulation of oncogenic pathways in adjacent normal tissues may fuel a feedback loop that promotes tumor initiation and progression.

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