08.06.18

From a Google Hangout conversation about how quickly cells react to ECM fibers

Yes, I think that makes sense. At least in teh follower cells. not sure if you'll want to do that in leader cells

I can find / show cool videos that show how amazingly fast cells are in very biased fibers.

it's like a hyperloop

amazing

Okay

[[](https://plus.google.com/u/0/101316660871137655238/about)](https://plus.google.com/u/0/101316660871137655238/about" \t "_blank)

they become essentially non-random

That sounds good and was our conceptual goal

I am all for that

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thanks!

this is a quick example

<https://www.youtube.com/watch?v=3OhyObQbFHs>

Yeah, that is instant

[[](https://plus.google.com/u/0/101316660871137655238/about)](https://plus.google.com/u/0/101316660871137655238/about" \t "_blank)

this may be helpful

[http://iopscience.iop.org/article/10.1088/1367-2630/16/11/115005/meta](https://www.google.com/url?q=http://iopscience.iop.org/article/10.1088/1367-2630/16/11/115005/meta&sa=D&source=hangouts&ust=1533653743103000&usg=AFQjCNGagFUJ_E2Dy_ZH1OUwhs8V1QPkWA)

this one is cool

jcb.rupress.org/content/211/3/683

video 7 is neat here

[http://jcb.rupress.org/content/184/4/481](https://www.google.com/url?q=http://jcb.rupress.org/content/184/4/481&sa=D&source=hangouts&ust=1533654156005000&usg=AFQjCNFaHNyXmmm_e-UrTlwq-WeLTsN55A)

here's a cell potts model by luigi that might also hel

p

help

[http://www.aimsciences.org/journals/displayArticlesnew.jsp?paperID=8001](https://www.google.com/url?q=http://www.aimsciences.org/journals/displayArticlesnew.jsp?paperID%3D8001&sa=D&source=hangouts&ust=1533654156005000&usg=AFQjCNEYy_nTLyatxAKXCJq6ClzHPJymZQ)

and this shows that may be also cell mechanics and division orientation should perhaps be influenced by anisotropy

[http://cancerres.aacrjournals.org/content/76/14/4249](https://www.google.com/url?q=http://cancerres.aacrjournals.org/content/76/14/4249&sa=D&source=hangouts&ust=1533654312538000&usg=AFQjCNHwq-NHPU7UJGycjiw6wF7forNKbw)