



# Mimi the microglia

## strip cartoon – episode 2

Mimi is taking a stroll in the brain with Bibli and meets an astrocyte that Bibli knows

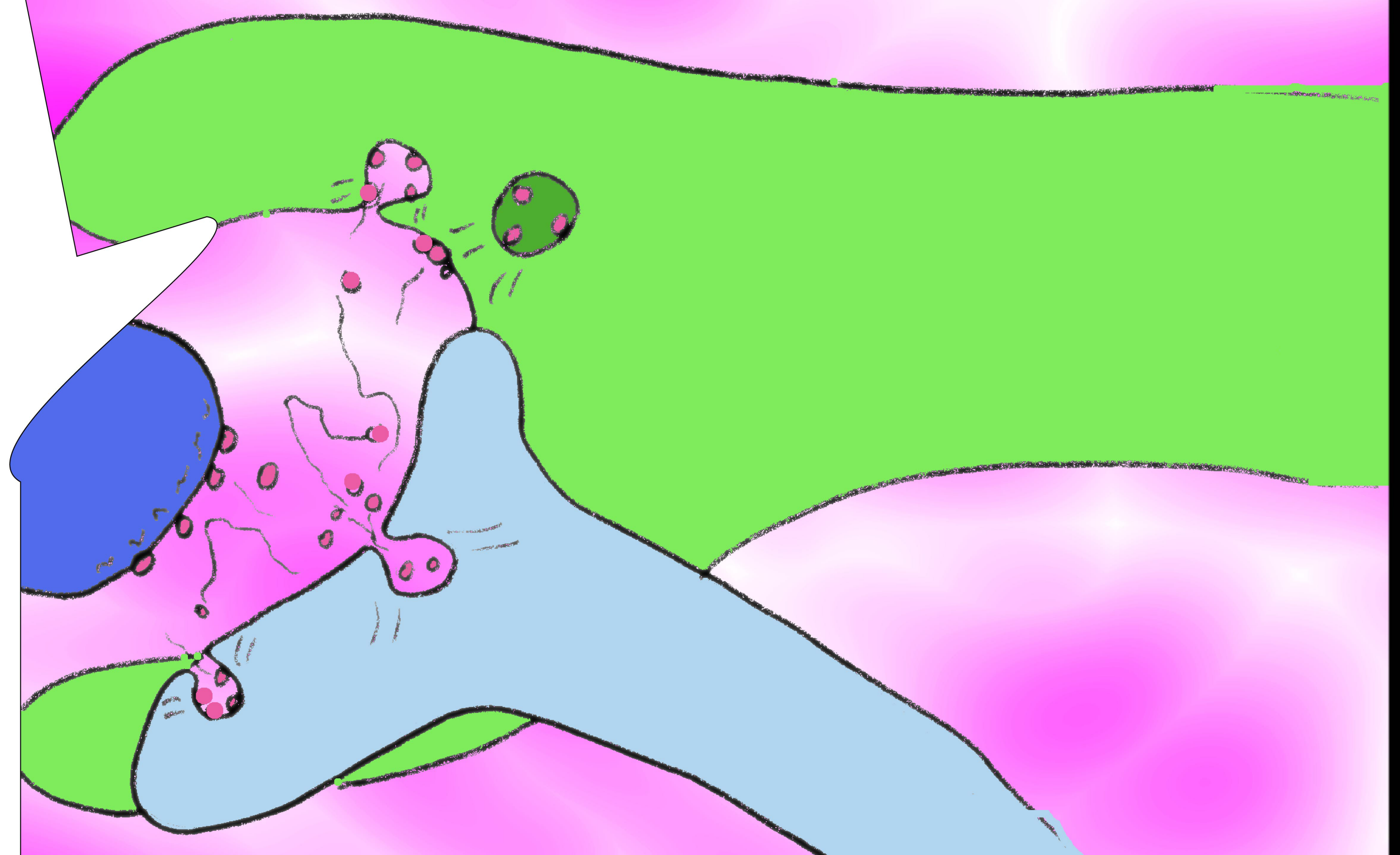
Hello Astrid

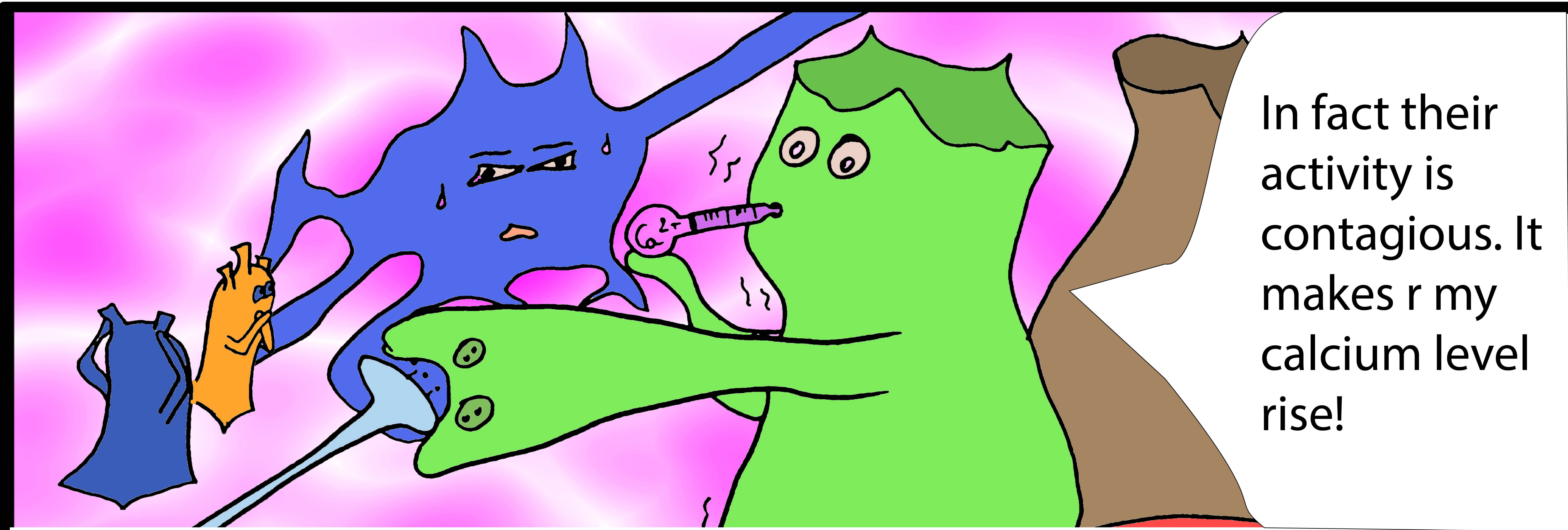
Tell me, Astrid. What is your job as an astrocyte?

Well we do not move a lot compared to you, microglias. But we have a lot of things to do here...

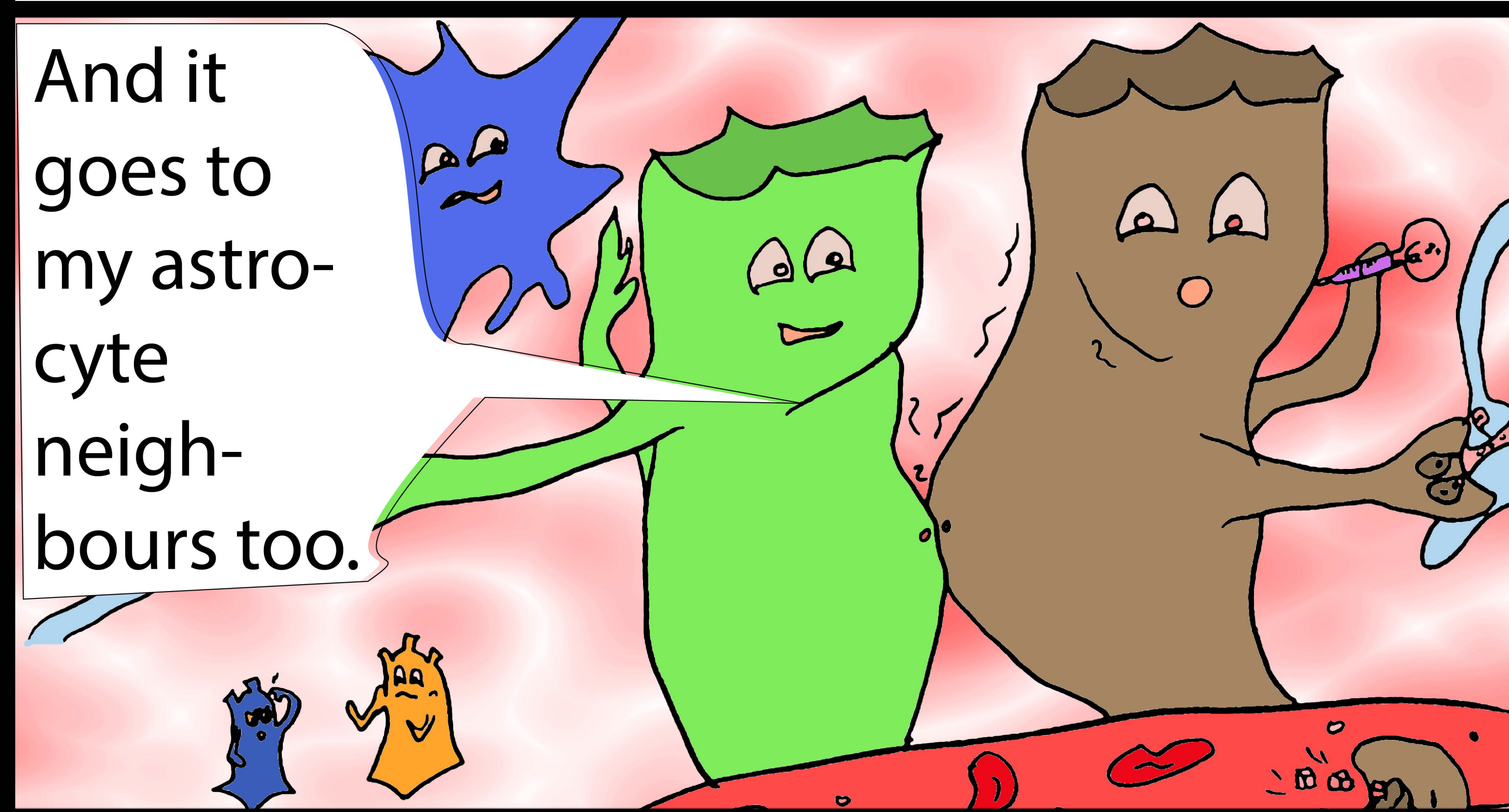
I suck glucose out of the blood and transform it into lactate for neurons. This one begins to complain, he doesn't have so much energy left.

Neurons communicate a lot between each other, especially thanks to neurotransmitters that they exchange via this gap between them, the synapse. I help regulate the flow of those little molecules.





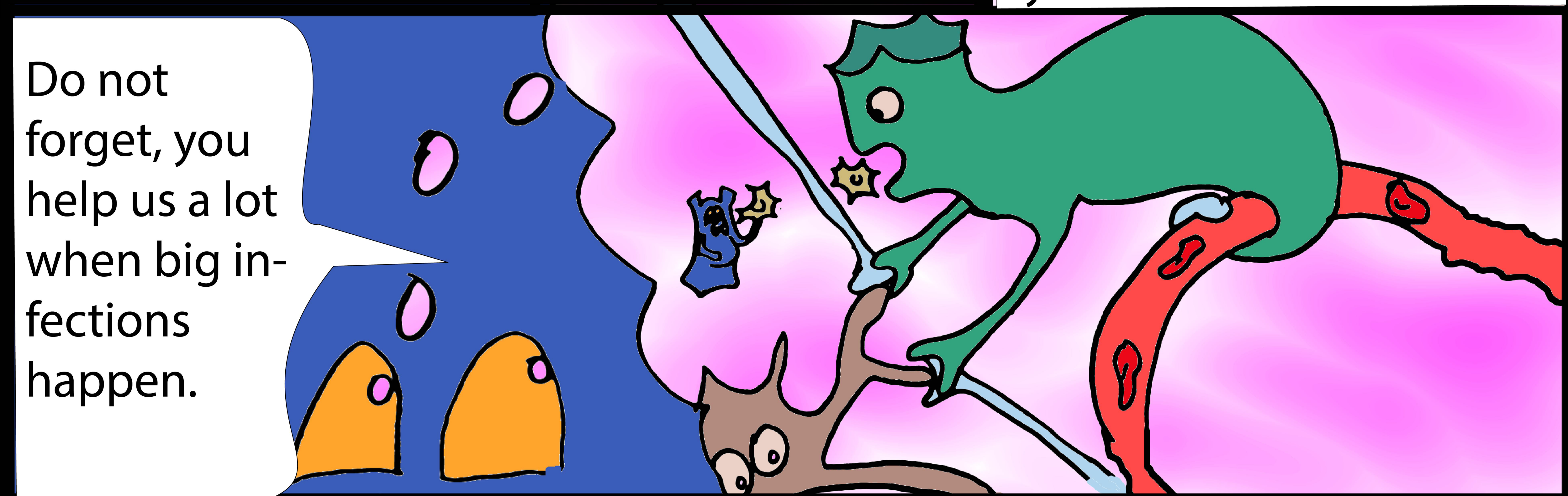
In fact their activity is contagious. It makes r my calcium level rise!



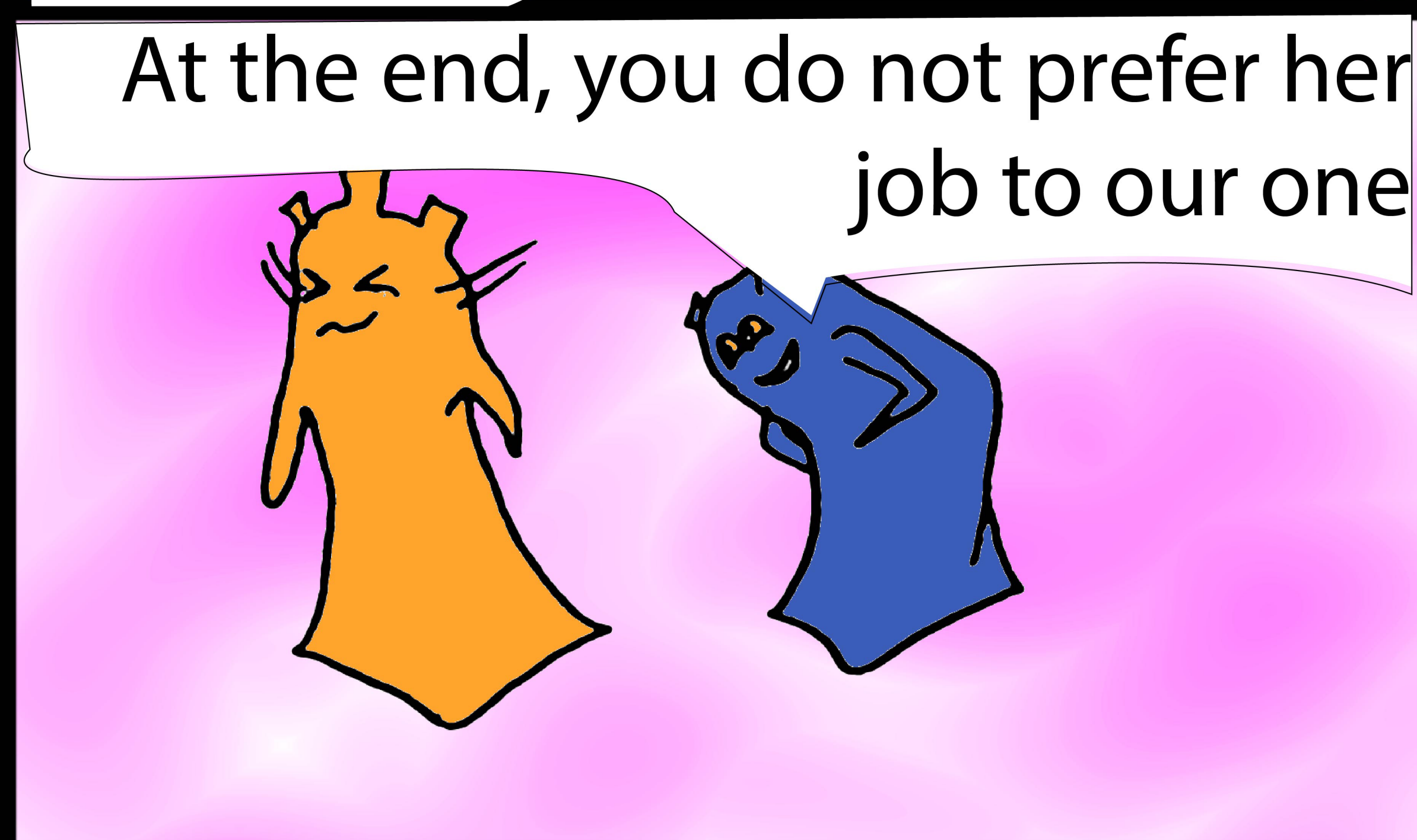
And it goes to my astrocyte neighbours too.



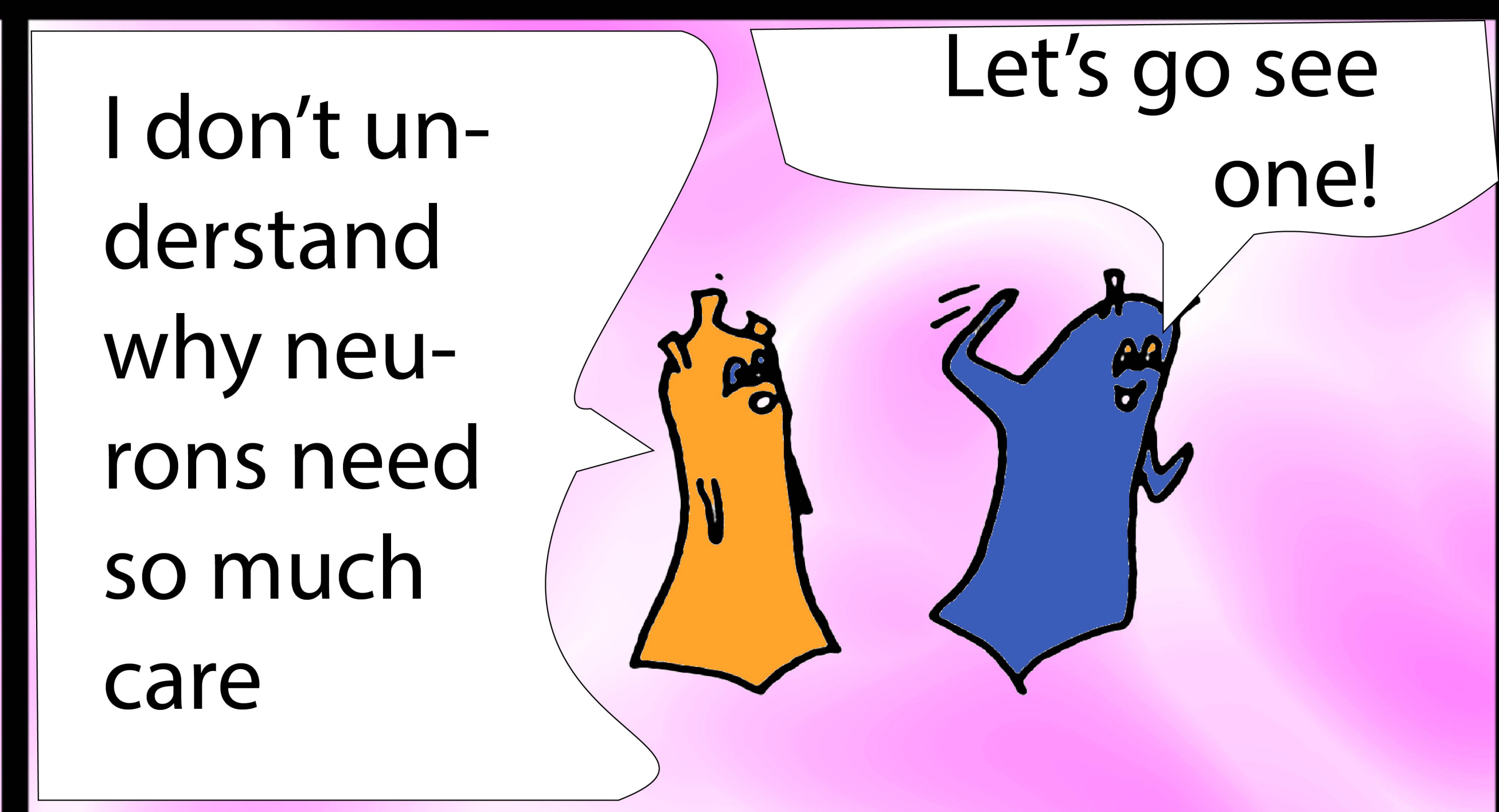
I see that neurons give you a lot to do!



Do not forget, you help us a lot when big infections happen.



At the end, you do not prefer her job to our one



I don't understand why neurons need so much care

Let's go see one!

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Illustrations : Roselyne Chauvin

Reference :

Local gene expression in axons and nerve endings: the glia-neuron unit.

Giuditta A1, Chun JT, Eyman M, Cefaliello C, Bruno AP, Crispino M. - Physiol Rev. 2008 Apr

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