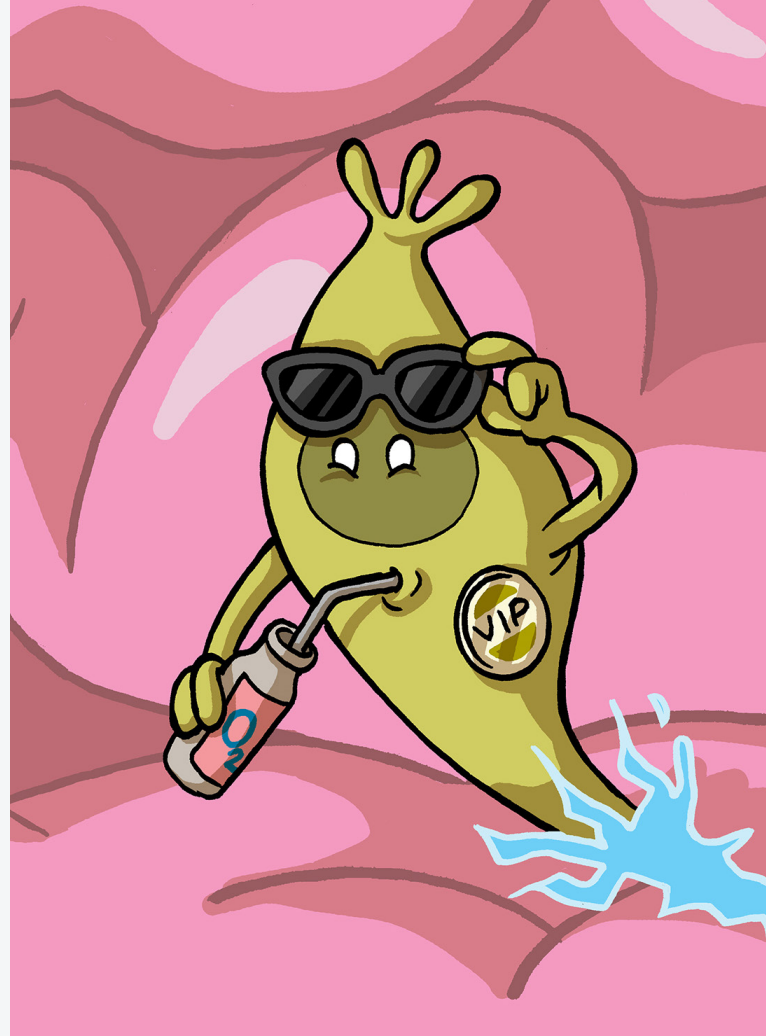


NEURONS

Neurons receive and transmit electrical signals. They are very busy and don't have time to think about efficiency.

They are very active, and therefore are always hungry: they need a lot of food and oxygen.

They are VIPs, they don't have time to check which substances visit them, and they need someone to protect them.





OLIGODENDROCYTES

Oligodendrocytes function as isolators and improve the transmission of electrical signals.

They are leaders: they guide the electrical signal in specific directions.

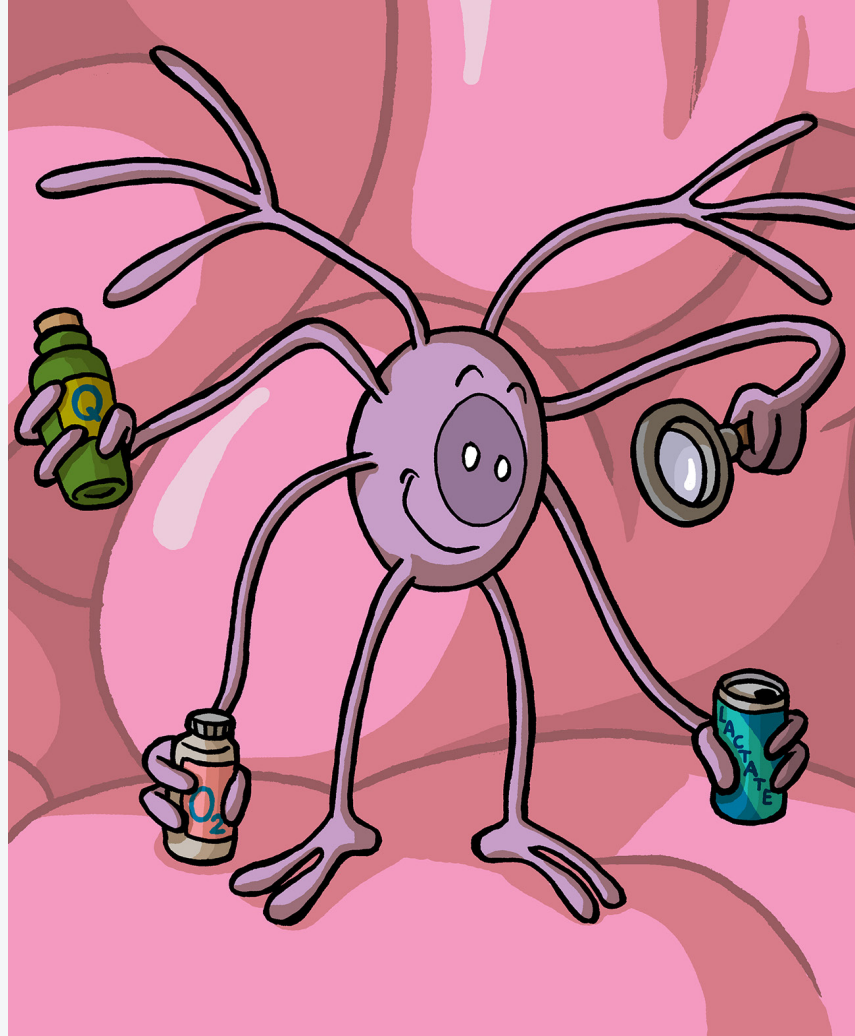
They are meticulous: they want to transmit the electrical signal in the most efficient way.

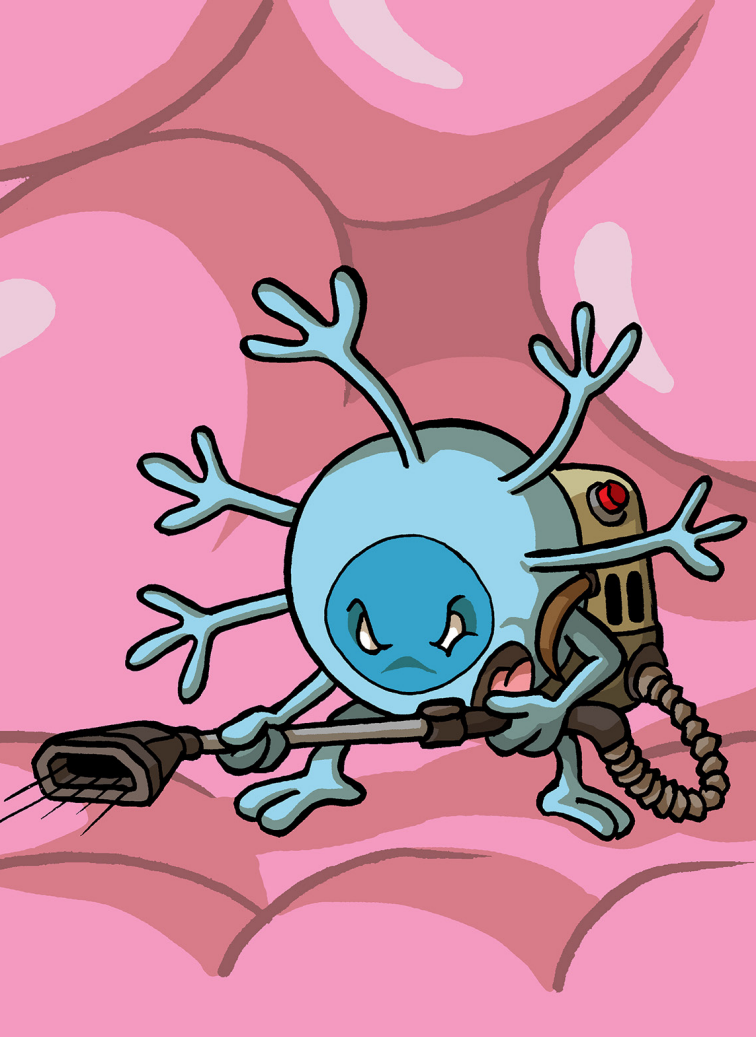
ASTROCYTES

They look like stars.

They are trained bodyguards screening everyone who wishes to cross the “blood-brain-barrier”. They specifically watch out for toxins.

They love to cook and provide food as well as oxygen to whoever needs it.





MICROGLIA

Microglia are warriors, they protect the brain from pathogens, such as bacteria and viruses, by destroying them.

They are very clean: they are constantly looking for and getting rid of old or damaged cells.

Their body becomes very big when they are in defense mode.