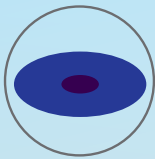


NEW FINDING: SCHIZOPHRENIA RESEARCH

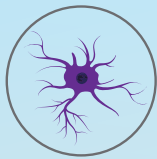
Long-held belief

Most scientists have long-held a belief that red, white and immune blood cells are independent from the brain pathology in psychotic illnesses.

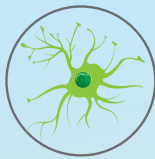
3 key original suspects



Endothelial cells



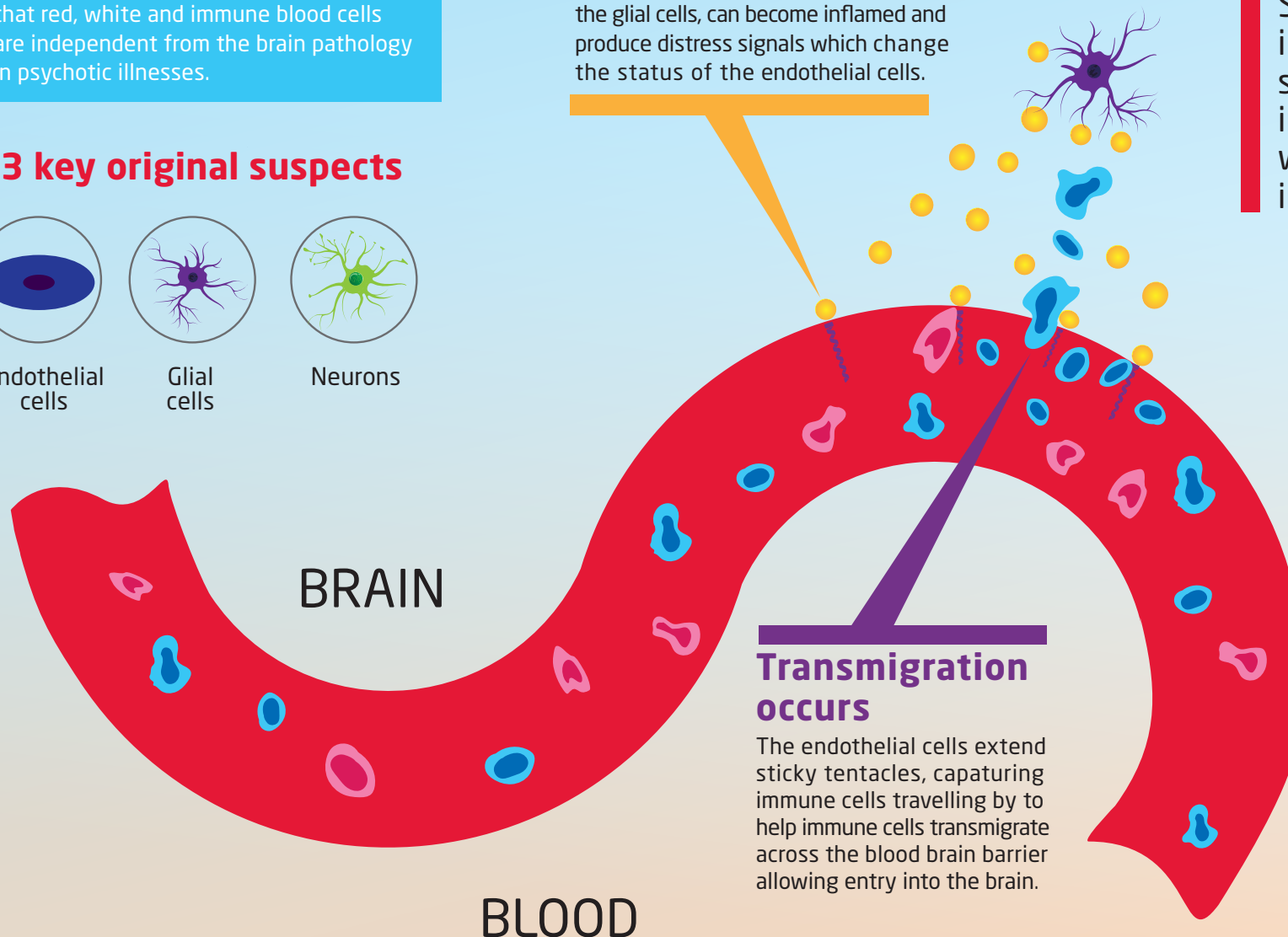
Glial cells



Neurons

Distress signals

In some people with schizophrenia, the glial cells, can become inflamed and produce distress signals which change the status of the endothelial cells.



Transmigration occurs

The endothelial cells extend sticky tentacles, capturing immune cells travelling by to help immune cells transmigrate across the blood brain barrier allowing entry into the brain.

BIG INSIGHT

Scientists have found immune cells on the brain side of the endothelial wall in greater amounts in people with schizophrenia with inflammation.

New suspect



Immune cell

New finding

Some people with schizophrenia have increased immune cells on the brain side.