

Scientists devise new stem cell-based approach to studying epilepsy

A new stem cell-based approach to studying epilepsy has yielded a surprising discovery about what causes one form of the disease, and may help in the search for better medicines to treat all kinds of seizure disorders.

The findings, reported by a team of scientists from the University of Michigan Medical School and colleagues, use a technique that could be called “epilepsy in a dish”.

By turning skin cells of epilepsy patients into stem cells, and then turning those stem cells into neurons, or brain nerve cells, the team created a miniature testing ground for epilepsy. They could even measure the signals that the cells were sending to one another, through tiny portals called sodium channels.

Read the full article here: [Epilepsy in a dish: Stem cell research reveals clues to disease's origins and possible treatment](#)