WE SEEM TO BE INSIDE A LABYRINTH. WILL YOU JOIN US? ENTER IF YOU WANT TO KNOW MORE ABOUT HOW THE BRAIN'S INNER NAVIGATOR WORKS.

















LATER ON, ANOTHER TYPE OF NEURONS WAS IDENTIFIED IN THE ENTORHINAL CORTEX. AS WE MOVE THROUGH AN ENVIRONMENT, THESE NEURONS ARE ACTIVATED ONE BY ONE AT REGULAR INTERVALS, EVERY CERTAIN DISTANCE. UNLIKE "PLACE CELLS", THEY DO NOT CORRESPOND TO A SPECIFIC PLACE, TO SOMETHING THAT CAPTURES OUR ATTENTION, BUT RATHER ARE LIKE THE BREADCRUMBS THAT TOM THUMB REGULARLY DROPPED TO MARK THE WAY.

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WHAT IS MOST INTERESTING IS THAT THE NEURONS THAT DELIMIT EACH CELL COMMUNICATE WITH EACH OTHER. AND THIS ALLOWS THE BRAIN TO KNOW WHICH SECTOR WE ARE IN AT ANY GIVEN MOMENT, WHEN WE MOVE FROM ONE TO ANOTHER, AND WHICH ONE WE ENTER.





THESE NEURONS ARE CALLED "GRID CELLS" BECAUSE WHAT THEY DO IS SIGNAL OR PLACE MARKS IN SPACE AND ALL TOGETHER, THEY FORM OR GENERATE A FRAME OF REFERENCE. TO PUT IT SIMPLY: WHAT THESE NEURONS DO IS TO FRAME THE SCENE IN A GRID, A SYSTEM OF COORDINATES, SOMETHING SIMILAR TO THE GRIDS ON STREET MAPS.























AND POSSIBLY THERE ARE EVEN MORE TYPES OF NEURONS WITH SPECIFIC FUNCTIONS THAT HAVE NOT YET BEEN IDENTIFIED ALL THESE NEURONS ARE CONNECTED TO EACH OTHER. IN THIS WAY, THE BRAIN'S POSITIONING SYSTEM, OUR "INTERNAL GPS", INTEGRATES ALL THIS INFORMATION AND PROCESSES IT...

> ...AND IN DOING SO, IT ENABLES US TO ORIENT OURSELVES EFFECTIVELY IN THE ENVIRONMENT IN WHICH WE ARE MOVING, WHETHER IT IS FAMILIAR OR UNFAMILIAR, CLEAR OR MAZE-LIKE.

YET BEEN IDENTIFIED.