Nerve Cell Key Chain

Materials:
- String (have at least 60cm → it will depend on how long you want your axon)
- Beads
- Key Loop

Steps:
1. To make the first dendrite, put 4 beads and the key loop on the middle of the string. Separate the key loop away from the 4 beads. Take the end of the string that does not have the four beads and place it back through the four beads. Pull the string until the key loop and the 4 beads are in line. You should now have one complete dendrite.

2. To start the cell body, place one bead on each side of the string. Put one end of the string through the other ends bead (should look like an X) then do the same on the opposite side. Pull both ends until the two beads are together against the dendrite.

3. To make another dendrite, put 5 beads on one end of the string. Separate one bead away from the 5 beads. Take the end of string you are working with that does not have the four beads and place it back through the four beads. Pull the string until the five beads are back in line. You should now have another complete dendrite.

4. Repeat step 3 with the other end of the string. You should now have a total of three dendrites.
5. Place three beads on one end of the string. Take the other end of the string and go through the three beads (should look like an X). Pull tight.

6. To make more dendrites repeat step 3 and 4. You should now have a total of 5 dendrites.

7. Repeat step 2. You should now have a complete cell body.

8. Place one bead on one end of the string then put the other end through the bead (should look like an X). Pull tight.

9. Repeat step 8 until you have a desired axon length.

10. Tie a knot with both ends of the string. You’re Done!