Even though the cortex can be divided into sensory, motor and association cortex, no single area brings all the information together. Yet, our experience seems unified. This is known as the binding problem. Why do you suppose it continues to challenge neuroscientists?

Because we can't figure out where all this information comes together into a unified whole so that our brains can make decisions. If our seeing and feeling was completely disconnected from our motor functions, we wouldn't be able to make decisions using the two areas. The reason we can't figure it out is because its really hard to tell what areas are doing what, as we can't just remove an area from someone's head and see what happens.

What do you think about the fact that we have, essentially, two brains in our heads?

It sounds really weird at first, but it makes evolutionary sense that the same areas in the different sides of our heads would handle different function. And they are connected, by the corpus callosum, a huge band of neurons that runs between the two halves.