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Connectome: How the Brain's Wiring Makes Us Who We Are (Hardback)

By Sebastian Seung

Cengage Learning, Inc, United States, 2012. Hardback. Book Condition: New. 231 x 155 mm. Language: English . Brand New Book. We know that each of us is unique, but science has struggled to pinpoint where, precisely, our uniqueness resides. Is it in our genes? The structure of our brains? Our genome may determine our eye color and even aspects of our personality. But our friendships, failures, and passions also shape who we are. The question is: how? Sebastian Seung, a dynamic professor at MIT, is on a quest to discover the biological basis of identity. He believes it lies in the pattern of connections between the brain's neurons, which change slowly over time as we learn and grow. The connectome, as it's called, is where our genetic inheritance intersects with our life experience. It's where nature meets nurture. Seung introduces us to the dedicated researchers who are mapping the brain's connections, neuron by neuron, synapse by synapse. It is a monumental undertaking the scientific equivalent of climbing Mount Everest but if they succeed, it could reveal the basis of personality, intelligence, memory, and perhaps even mental disorders. Many scientists speculate that people with anorexia, autism, and schizophrenia are...



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Reviews

This book is fantastic. This is certainly for all those who state there had not been a really worth reading. It is extremely difficult to leave it before concluding, once you begin to read the book.

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It is great and fantastic. Sure, it is actually perform, nevertheless an amazing and interesting literature. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Ivy Hill DDS