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## The neuronal connectivity of our thoughts into actions

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While most of us use and enjoy the Internet every day, we do not imagine that our brain has more interactivity and connections than the entire worldwide web. In fact, 20 years from now, there will still be more connections and interconnections in one human brain than in all the servers and networks used by the Internet. It is the brain that separates humans from all others in the huge animal kingdom. Our brain can receive information via our olfactory, visual, tactile and auditory senses simultaneously. It can compute information stored in its recesses, have decision making capabilities based on incoming information and can immediately take action by controlling other parts of the bodies. In February, 1943, Erwin Schrodinger (1887-1961) a Nobel Prize physicist from Austria, gave a lecture at Trinity College, Dublin, Ireland entitled "What is Life?" He identified the problem as follows: Incredibly small groups of atoms much too small to display exact statistical laws play a dominating role in the very orderly and lawful events with a living organism. This presentation explains how we concentrate and focus and cause these particles to go into an organized formation and initiate enzymatic activity. In addition, we shall discuss how mutations occur in somatic cells including those neurons in the brain. These mutations occur more often in the genes a neuron most often uses. By sequencing individual cells rare mutations are illuminated.

### Biography

Jack Kushner was graduated from Tulane University and University of Alabama Medical Center, USA. He did a Surgical Internship at George Washington University and a General Surgical Residency at the University of Michigan. He has served as a combat Surgeon at the 91<sup>st</sup> Evacuation Hospital in Vietnam and completed his Neurosurgical Residency at Wake Forest University. He is a board certified Neurosurgeon and practiced Neurosurgery in Annapolis, Maryland. He has obtained his Master's degree in Finance from the University of Maryland while practicing neurosurgery. Later he founded a medical transcription company in Bangalore, India and worked on a medical telemedicine and surgical simulation project in Israel. He has received an Honorary Professor of Medicine and Healthcare Award in Cambridge, England and he was made an Honorary Director General of the World Forum in Oxford, England. Presently he is working with George Washington University to create a Genomic Medical Center in Viet Nam. He has lectured at many universities in the USA and around the world.

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