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How and why did the brain evolve? What are the molecular determinants of individual brain development? How lactic is matured brain?

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Development of brain is based on DNA forward rolling and its molecular constituents are neurotransmitters and electrical synaptic and DNA forward rolling evolutionized our brain and subconscious brain is more neuro plastic than conscious brain.

Brain theory: Development of brain starts from embryonic stage ASPM gene is responsible for the Development of the brain.

Aim: Observing different brain of the animals and comparison with human brain.

Apparatus: Dissected brain of human, amphibian, aves and reptiles.

Procedure: Observe structures in the microscopes.

Observation: Different stages of development of the brain were observed according to need. No convolution in aquatic to amphibians, little convolution in reptiles to small mammals, highly convoluted and specialized brain in human.

Why and how did brain evolve?

Brain evolved as a central functioning unit because as organisms start increasing in size and start developing new structure than DNA modified accordingly and generated a new gene ASPM gene which created new cells neurons and these develop peripheral nervous system in hydra and small organism and according to complexity neurons gathered and developed the CNS and after that complexity increased the brain was developed in the fishes. DNA forward rolling occurred in the small organisms to humans according to need, complexity and environment and internal environment of cell brain evolved.

What are molecular determinant of individual brain?

Molecular determinants of brain are basically amount of neurotransmitters secreted and amount of hormones secreted from the glands present in the brain. The neurotransmitters and secretions of neurohormones vary according to needs and conditions of organisms even presence electrical transmission is also considered as the molecular determinant of brain as their count varies from person to person and even organisms to organisms.

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How plastic is matured brain?

Depends on the memory and convolution of brain, it is divided into two parts subconscious and conscious. Subconscious constitute more than 70% of our brain and stores photogenic and learned memory, generates thought and dreams. Conscious works on thought and dreams constitute less than 30% of brain. So, subconscious brain is more plastic than Conscious brain as we can generate the thought. So accordingly the plasticity of brain depends on the convolution of brain and moldiness of brain.

Keywords: DNA forward rolling, Neurotransmitters, Neuroplastic, Neuroplasticity, Hormones.

Biography

Kunal Joon is currently pursuing MBBS in Nizam's Institute of Medical Sciences, India and done MSC virology. He worked on brain mapping in [Science beam](#).

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