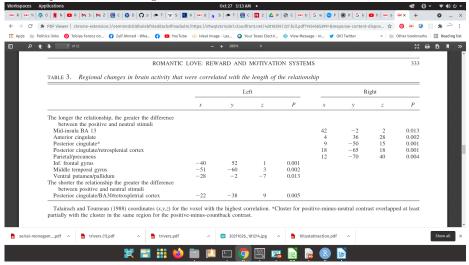
NEUROBIOLOGY OF HUMAN MONOGAMY

ZULFIKAR MOINUDDIN AHMED

This note is not original research at all but rather just examines the beautiful work examining some of the neurobiological correlates for long term romantic relationships in human beings.



I am examining the work that finds ventral pallidum activations that correlates with long term romantic relationships. Helen Fisher explicitly suggests that she believes monogamy evolved 4.4 million years ago in humans. I am very interested because my hypothesis is that love preceded growth of human intellect.

Helen Fisher's characterisation of our mating behaviour as serial monogamy with clandestine adultery is reasonable going back 7 million years. I am not compelled at all by theories of recent transition to monogamy or at least serial monogamy, as there are some theories of this type. We did not suddenly 20,000 years ago have evolutionary adaptations that marked ventral pallidum (which is millions of years old part of our brain) as a function of relationship length. All these 'recent monogamy' theories are wrong.

References

 Arthur Aron, Helen Fisher, Debra J. Mashek, Greg Strong, Haifang Li, and Lucy L. Brown, Reward, Motivation, and Emotion Systems Associated With Early-StageIntense Romantic Love, J Neurophysiol94: 327–337, 2005

Date: October 27, 2021.