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From cities of proteins to the only large-brain mass-societies: Is excessive brain power a hindrance in the emergence of modern human societies?

Hundreds of millions of humans adhering to ancient texts reject all western science, while scientifically educated modern humans seem to generally accept that man descends not only from other animals, but also from the big bang, atoms, molecules and single cell organisms. Similarities of structure and function are evident between the social life styles of distantly related organisms such as social insects and modern humans. Moreover, self-similarity is also found such as between human cities and the cities of proteins, sometimes even called cell city because of the striking resemblance. In a fractal universe, omnipresent self-similarity should probably not be a surprise and will here be empirically exemplified through a particular kind of dynamic (real-time) statistical self-similar (fractal) patterns, T-Patterns, found in interactions of humans and brain neurons, while resembling patterns on DNA and proteins. The self-similarity relating the cities of proteins and the human bodies (cities of cells) that are the citizens of human mass-societies, suggests that knowledge of life in the fundamental brain-less mass-societies of protein cities may provide essential ideas and insights for the understanding of the only and recent large-brain mass-societies; those of modern humans with large brains inherited from a recent small-group past. A possible new understanding of, among other, religion, is suggested as a means to reduce the discrepancy and deal with issues in mass-social emergence.

Biography

Magnus S Magnusson is a Professor, completed his PhD in 1983 at University of Copenhagen. He has presented various papers and invited for talks at mathematical, neuroscience and proteomic conferences and at universities in Europe, USA and Japan. He was a Deputy Director in 1983-1988 at Anthropology Laboratory, Museum of Natural History Paris. Then, he was repeatedly invited as temporary Professor of Psychology and Ethology at University of Paris. Since 1991, he is Founder and Director of the Human Behavior Laboratory, University of Iceland.

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