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**ORIGIN OF THE HUMAN EXCEPTION: T-PATTERNS AND UNIQUE AND SUDDEN BIOMATHEMATICAL SELF-SIMILARITY BETWEEN PROTEIN AND HUMAN MASS-SOCIETIES.****Magnus S. Magnusson***University of Iceland, Iceland*

This talk represents a kind of coming a full circle after nearly half a century of search for a scientific biological and mathematical explanation of the uniqueness of humans among all animals and lifeforms, which compared to modern humans are utterly ignorant and unlikely to ever create thousands of volumes of advanced mathematics or physics nor spaceships, microscopes or computers only created by recent human mass-societies bigger than any except insect societies. So, understandably, insect societies were at the heart of E. O. Wilson's 1975 opus "Sociobiology", but still no animal models seem to provide satisfying understanding of the extreme human exception where culture and biology have often appeared as opposites. Through development of new mathematical pattern types (T-patterns and T-strings) and empirical and computational research concerning both human and animal interactions and the molecular structure of DNA and proteins, reveals unique self-similarity, that after billions of years of evolution happened in a biological eyeblink between protein and human mass-societies, that is, across some nine orders of magnitude. T-patterns, T-strings and self-similarity are described, but the species studied in the biology of behavior, Ethology, where Niko Tinbergen, Konrad Lorenz and Karl von Frisch shared a Nobel Prize (in Physiology or Medicine, in 1973), no species was a part of another so while analogy was of much interest, self-similarity and nanoscale actors were not. Biology and culture now seem based on the same mathematical pattern types and thus exist on the same biomathematical continuum with culture and biology finally appearing as one.

**Biography**

Magnus S. Magnusson, PhD, Emeritus Research Professor, founder, and director of the Human Behavior Laboratory, School of Health Sciences, University of Iceland. Author of the T-system and THEMETM (PatternVision). Co-directed project "DNA analysis with Theme". Keynotes in biology, neuroscience, mathematics, science of religion, proteomics, A.I., and nanoscience. Deputy Director 1983-1988 in the Museum of Mankind of the National Museum of Natural History, Paris. Repeatedly, invited Professor at the University of Paris V, VIII & XIII. Since 1995 in formal collaboration between now 40 European and American universities initiated at the University of Paris V, Sorbonne, based on "Magnusson's analytical model".