

World Congress on **INFECTIOUS AND CONTAGIOUS DISEASE** CONFERENCE

May 17-18, 2022 | Webinar

**T-pattern Theory and Molecular and Textual Viruses as T-strings on the Same Bio-mathematical Continuum.****Magnus S. Magnusson***Human Behavior Laboratory, University of Iceland*

At the time of this writing, only about 66%, or two-thirds of the US population, have been vaccinated against the Covid virus despite easy and free access. A major cause is a disinformation, called by CNN a virus and a leading cause of death in the US. Based on T-pattern Theory, a unified view is presented of (constructive and destructive) molecular and textual viruses as T-patterned strings, called T-strings, which coexist, interact, collaborate and compete on the same bio-mathematical continuum. This presentation is mostly based on a 2020 paper: "T-patterns, external memory and mass-societies in proteins and humans: In an eye-blink, the naked ape became a string-controlled citizen" <https://doi.org/10.1016/j.physbeh.2020.113146>

A T-pattern is a set of elements recurring in the same order with significant translation symmetry on a single dimension, a hierarchical self-similar pattern of patterns. Using modern language, T-patterns can thus be seen as particular statistical or pseudo fractal objects recurring with significant translation symmetry. Using the dedicated THEME software ([patternvision.com](http://patternvision.com)), TPA or T-pattern detection and Analysis of many kinds of human, animal, and neuronal behavior and interactions has revealed a multitude of such patterning and so has TPA of strings, notably DNA and proteins and texts. The development of writing, thousands of years ago, also was that of a unique T-patterned self-similarity between nano and human scales of which humanity remained unaware until the very recent access to intracellular nanoscale phenomena, including their DNA-based mass societies of proteins. With the material texts, external to the individuals, the formation of mass social individuals is increasingly transferred to T-strings outside them, the textome of each mass society, such as written laws and technical and scientific knowledge. Numerous molecular and textual T-strings thus may compete and/or collaborate. For example, helping the covid virus: "the holy spirit will protect you" and "covid is a hoax" or competing with it "wash your hands" or "get vaccinated". Thus, under T-pattern Theory, biology and culture are one, coexisting on the same bio-mathematical continuum.

**Biography**

Magnus S. Magnusson, PhD, founder, and director of the Human Behavior Laboratory. 1998-2019 Research Professor, University of Iceland. Author of the T-Pattern Theory with corresponding detection algorithms and the dedicated THEMETM software ([PatternVision.com](http://PatternVision.com)) initially focusing on the real-time organization of behavior. Co-directed the two-year project "DNA analysis with Theme". International conference talks and keynotes in ethology, neuroscience, mathematics psychiatry, religion, proteomics, A.I., and nanoscience. Associate professor and assistant director 1983-1988 in the Museum of Mankind, National Museum of Natural History, Paris. Then invited Professor at the University of Paris VIII, XIII, and V until 1993. Works in formalized inter-university collaboration network, MASI, between 38 European and American universities initiated in 1995 in the Sorbonne based on "Magnusson's analytical model".