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**From:** Jeffrey Epstein <jeevacation@gmail.com>  
**Sent:** Thursday, July 4, 2013 1:01 PM  
**To:** Nowak, Martin; Ed Boyden; Neil Gershenfeld; Whitfield Diffie  
**Subject:** fun

What I would like to explore/fund, is the premise that biological, cellular, neuronal, signals are all highly encrypted, and the possibility that each entity has its own unique encoding algorithm. Where Mathematics has no need for protection, Biology and its agents on the other hand consists of fundamentally merely helpless prey without a system that protects them from the free-energy seeking predators in their environment, I wonder whether the chemical signals in biology along with their topological, electrical and maybe quantum characteristics (isotopes) could be teased apart using the same type of advanced signal analysis used for code breaking, possibly including a temporal component

. My thought is that the current mappings of brain activity, and cells are merely reading a complex ciphertext, and therefore at least for now, are of little value.

Martin is thinking about the origin of evolution. Do physical systems evolve or only biological ones.

Neil is determined to make things and things that make things and basic components to make anything (man made molecules)

Ed is mapping individual brain cells using opto genetics.

<iv> Whit has thought a great deal about encryption

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