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BIOMATRIXGENESIS From [MajorT's Blog](#)

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"Biomatrixgenesis is the spontaneous initiation, self-assembling, and proliferation of animal and human life supporting matrices through DNA directed enzyme mediated scaffolding of hierarchical hyaluronic acid fragments. Reverse engineering strategies form the basis for device fabrication"

Biomatrixgenesis is the creation of animal and human life supporting matrices or nanofiber mesh from nanoscale pre-cellular incubators formed from the spontaneous self-assembly of hyaluronic acid (HA), a simple carbohydrate polymer. The hyaluronic acid forms an array of such interconnected incubators. A single tetramer may form a single incubator. Each nanoscale incubator is capable of providing a nanoscale environment suitable for macromolecular synthesis, which is required for stem cell genesis. Multidimensional scaling and the conservation of molecular symmetry across these different size scales allow for dynamic 3D matrices capable of site-to-site information and material transfer dictated by DNA. The nanoscale environment is highly hydrated and ion rich. The scaffolding polymeric repeat units for these life supporting matrices can be enzyme modified or completely removed at any point during Biomatrixgenesis. Based on the above conjecture, we can fabricate novel devices by controlling the microenvironment of hyaluronic acid fragments. The micro environmental factors include: ion type and charge, degree of hydration, HA fragment size distribution and the concentration, and the electromagnetic and gravitational forces impacting the matrix. The fact that HA can bind cationic dyes (some fluorescent) and nanoparticles, form antibacterial composites, and is non-immunogenic makes it the idea template for human interface technology. For more information, visit <http://bostonmatrix.us>.

The conjecture presented here is revolutionary and is based on my personal research and observation over the years. It is for this reason, peer-review publishing of my research would be difficult if not impossible. This site affords maverick scientists like me to get my ideas to the public. I am grateful to Scientific American for this site.