Growing Extreme Assemblages explores the process of component aggregation through variation at multiple scales. The critical application of form is a process of assembly through a logic of growth. As the species cultivate, they adapt and configure based on opportunistic traits that allow the system to either disfigure, discontinue, reorganize and adapt or evolve further. The process is based on a generative logic grown from a singular component that is explored through the development of a taxonomy. The species transforms both through biological implications and tectonic logics that exhibit conditions of spatiality, surface articulation and structural capacity.

The work emphasizes an analytical and parametrically driven design methodology through individually developed rule based techniques. The methodology is based on systematic evaluation and behavioral aspects of programs, as singular and multiple, crossbreed at the local and global level.
In the process of hybridization, discourse revolves around reinventing the operative mechanism underlying the individual programmatic needs. In the development of creating new spatial opportunities, reactive and adaptable structural patterns are diagrammed in order to redistribute functional organization.

The work pursues generative and variegated growth of skeletal and organ structurally patterned systems. The system grows and adapts according to internal and external parameters.

IMAGE CREDITS

Figure 1. Mohammad Ahmed Alharkan, Fikret Cihan Asena, John Eikevik, Huizhong Fang, Munirah Habib, David Lefkowitz, Chunyao Liu, Jingyuan Luo, Cynthia Sari, Jessica Tangeman

Figure 2. AGGLAB : Monica Tiulesscu

Figure 3-4. Mohammad Ahmed Alharkan, Fikret Cihan Asena, John Eikevik, Huizhong Fang, Munirah Habib, David Lefkowitz, Chunyao Liu, Jingyuan Luo, Cynthia Sari, Jessica Tangeman

Figure 5. Si Beck Nam, Jesus Gutierrez
GROWING EXTREME ASSEMBLAGES
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ALEX NEYMAN is the co-founder of Agglab. She has taught courses in design and theory at the AAU in San Francisco and the University of Michigan. Alex’s experimental research aims to invent generative spatial organizations that have an influence on physiologies of form, its’ evolution and complex behaviors. The work develops a series of generative rule based methodologies, based on advanced tectonic systems with distinct biases towards varied aggregation. Agglab has been exhibited at multiple venues in San Francisco and Oakland as well as Cranbrook Academy of Art and was recently published in the 180 Magazine. Ms. Neyman earned her Bachelors and Masters degrees from the University of Michigan.