The advent of new digital technologies has had a twofold impact on architectural thinking and urban design, transforming, on one hand, the processes for form generation and design production through algorithmic and parametric technologies, and, on the other hand, enabling an escape from the static fate of the built environment by facilitating dynamic interaction between inhabitants and their surrounding. Our interest in this orientation “Artificial Morphogenesis” is to explore meaningful form generating processes by the use of algorithmic and parametric tools and introduce the notion of growth typologies in architectural and urban design thinking. In particular, we examine the potential of responsive morphogenetic design to explore intuitive form finding processes that address bio-climatic and socio-economic challenges. In 2016/17 our studio site will be Changi Business Park in Singapore, a rapidly growing nation island that has evolved from a port city to a logistics, service and knowledge hub. We will develop urban and architectural strategies for the site that explore the productive imbrication of architectural form and urban infrastructures and ecologies.