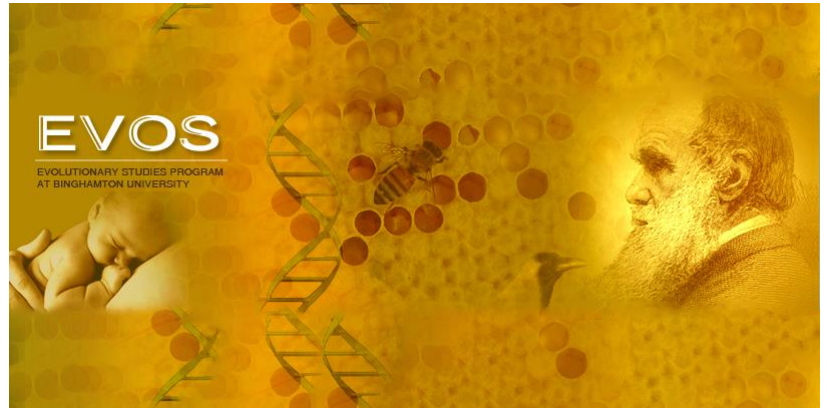


*EvoS and Mountainview  
STEAM (STEM + the Arts)  
invite you to join us on:*

**Monday, Oct 12, 2015  
5:15 pm in AA-G008**



## ***Bloom and the Pollinators*** **by Debra Swack**

***Exploration and Visualization of Bio-acoustic Communication in Plants***



*Figure 1. Bloom-Simulated growth patterns through bio-acoustic stimulation ©Debra Swack 2015*

**Abstract:** How and why plants communicate bio-acoustically is not well understood nor documented, however it is known that they do so in order to relay information about their neighbors and the conditions of their environment (such as drought conditions and predator threat) to each other. My work utilizes the research of evolutionary biologist Monica Gagliano, at the University of Western Australia, who studies their communication and records and analyzes both the sounds they make and their responses to sounds they hear or feel through vibrations.

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For more information, visit [binghamton.edu/evos](http://binghamton.edu/evos) or contact [evos@binghamton.edu](mailto:evos@binghamton.edu)