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Pelton Award Special Lecture

Neelima Singh
University of California, Davis

Dr. Neelima Singh is best known for her ongoing work on understanding the developmental and evolutionary basis for leaf form, starting with her examination of the role of KNOX homebox genes in regulating the development of simple versus compound leaves. Her integrative work on the evolution of form spans a broad range of forward-thinking approaches, from morphometrics and gene family evolution, to recent work using single cell transcriptomics and network approaches to decipher conserved and divergent modules involved in leaf development. Her enormous influence has touched on morphology, developmental genetics, evolutionary biology and even agriculture. A testament to her impact on the field of plant morphology and development is the long list of influential students and postdocs that were mentored in her lab. http://www-plb.ucdavis.edu/labs/sinha/