

Plant Tracer: An App to quantify Plant Movement

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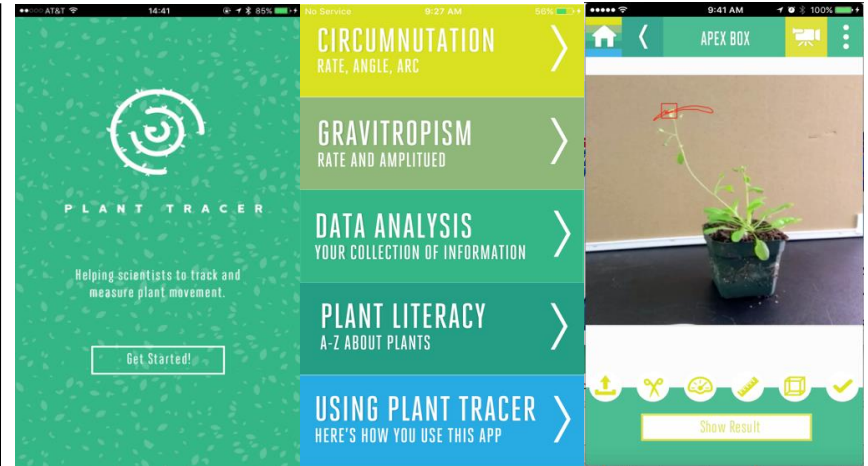
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- Plants are constantly on the move with shoots and roots searching for light, water, nutrients and interacting with their neighbors. The molecular underpinnings of this dynamism is poorly understood.
- We are developing, *Plant Tracer*, an App that enables students and researchers to quantify plant movement using their smart phone or tablets.

- We are using *Plant Tracer* to detect mutants in *Arabidopsis thaliana* (pictured above) that are impaired in Circumnutation (periodic swaying) and gravitropism (movement against gravity) to identify the genes that control these processes.
- We are distributing *Plant Tracer* to our partner universities in a crowd sourced effort to both expand this mutant screen and interest students in plant biology as a way of alleviating the widespread problem of "*Plant Blindness*".