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A grand challenge, it would plant physiologist would likely come up with a list of chal

lenges in their own area of work, to be truly grand these should span the entire discipline of plant physiology, and ideally have significant impact on both science and technology. The question then is what is the scope of “plant physiology?” Turns out there are numerous definitions in use. The Journal of Plant Genetics and Breeding considers it to encompass the “nature of functioning of an organism” studied at various levels of complexity and embracing the full range of technologies from cell biology to systems biology. Likewise, the journal with this name considers it to include broad aspects of plant biology, in