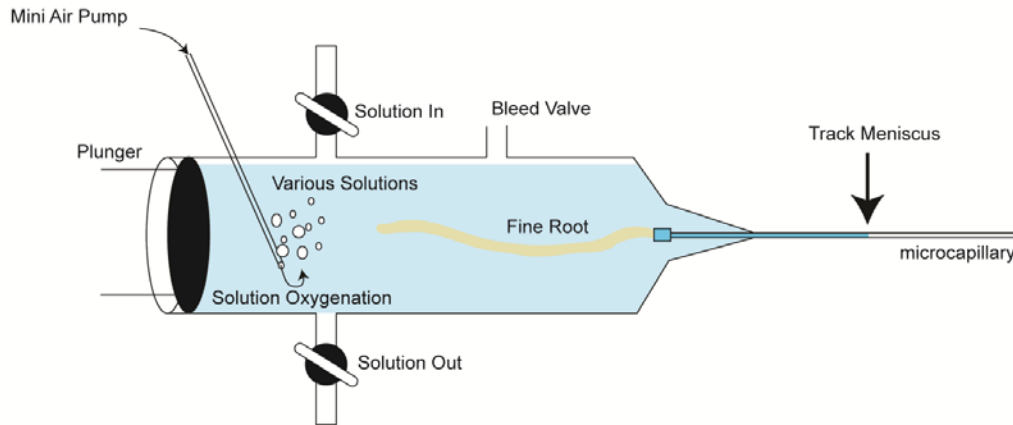


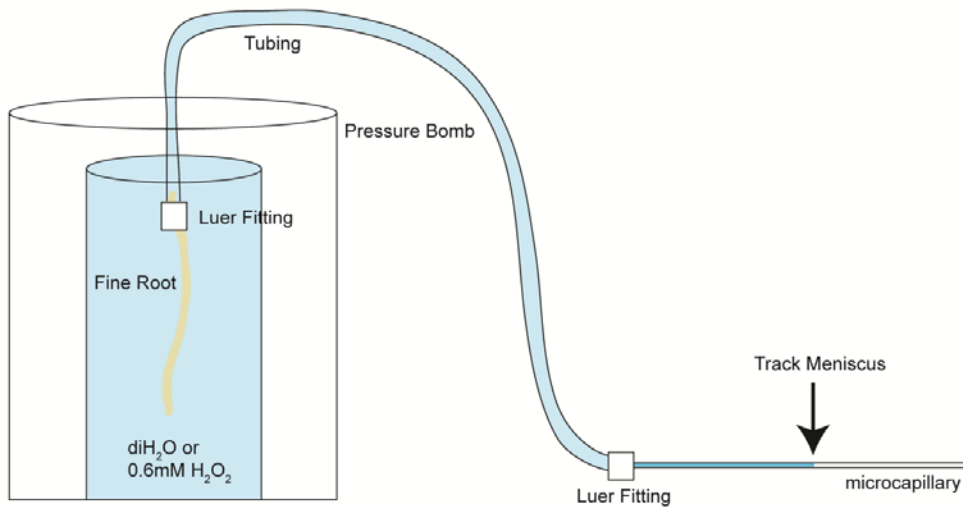
TITLE: The relationship between root hydraulics and scion vigor across *Vitis* rootstocks: What role do root aquaporins play?

Gambetta GA², Manuck CM¹, Drucker ST², Shaghasi T², Fort K², Matthews MA², Walker MA², McElrone AJ^{1,2,3}

Determination of L_p , using osmotic pressure gradients



Determination of L_p , using hydrostatic pressure gradients



Supplemental Figure 1. Experimental set-up for the determination of L_p with osmotic (top) and hydrostatic pressure gradients (bottom). The custom made chamber for osmotic measurements was constructed out of a large disposable syringe in which two valves were glued in order to change solutions. A bleed valve was installed and a fine tube connected to a small aquarium pump to oxygenate the solution. The tip of the syringe was modified to perfectly fit the 500 μ m capillary without leakage. Flow was quantified via the movement of the air-water meniscus in the capillary.