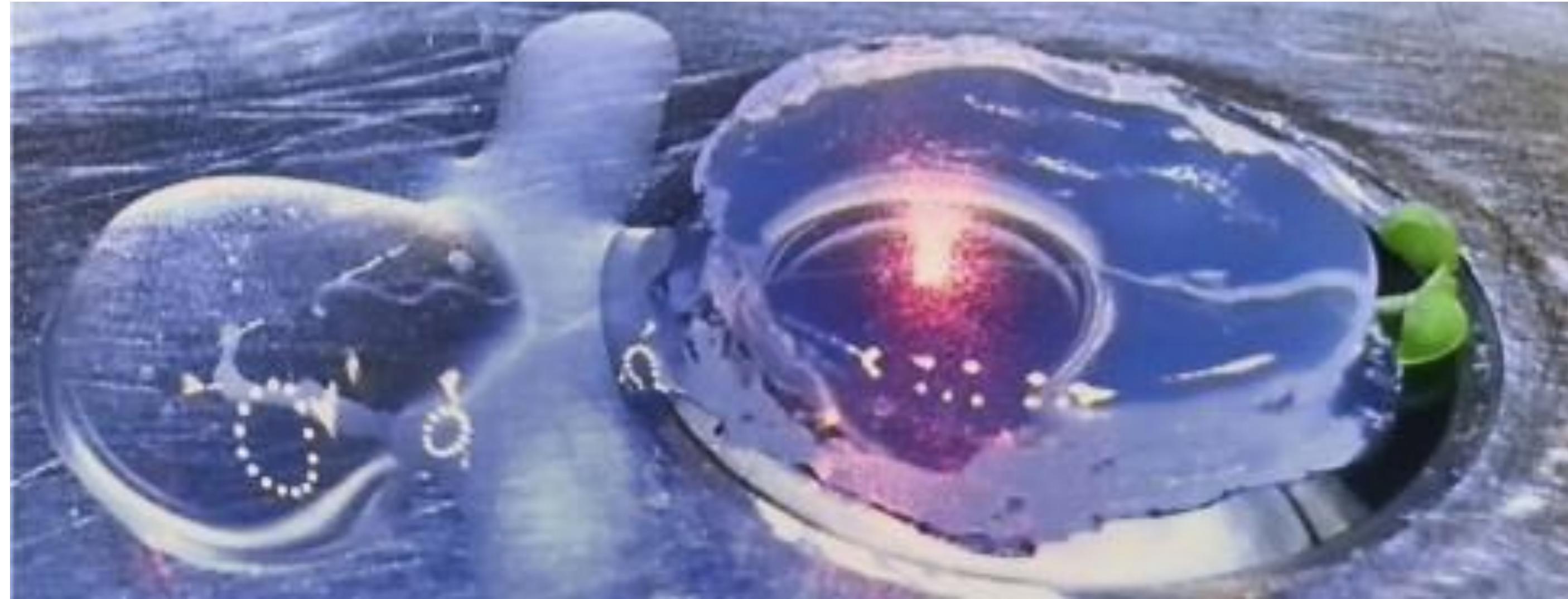


Non-invasive hydrodynamic imaging



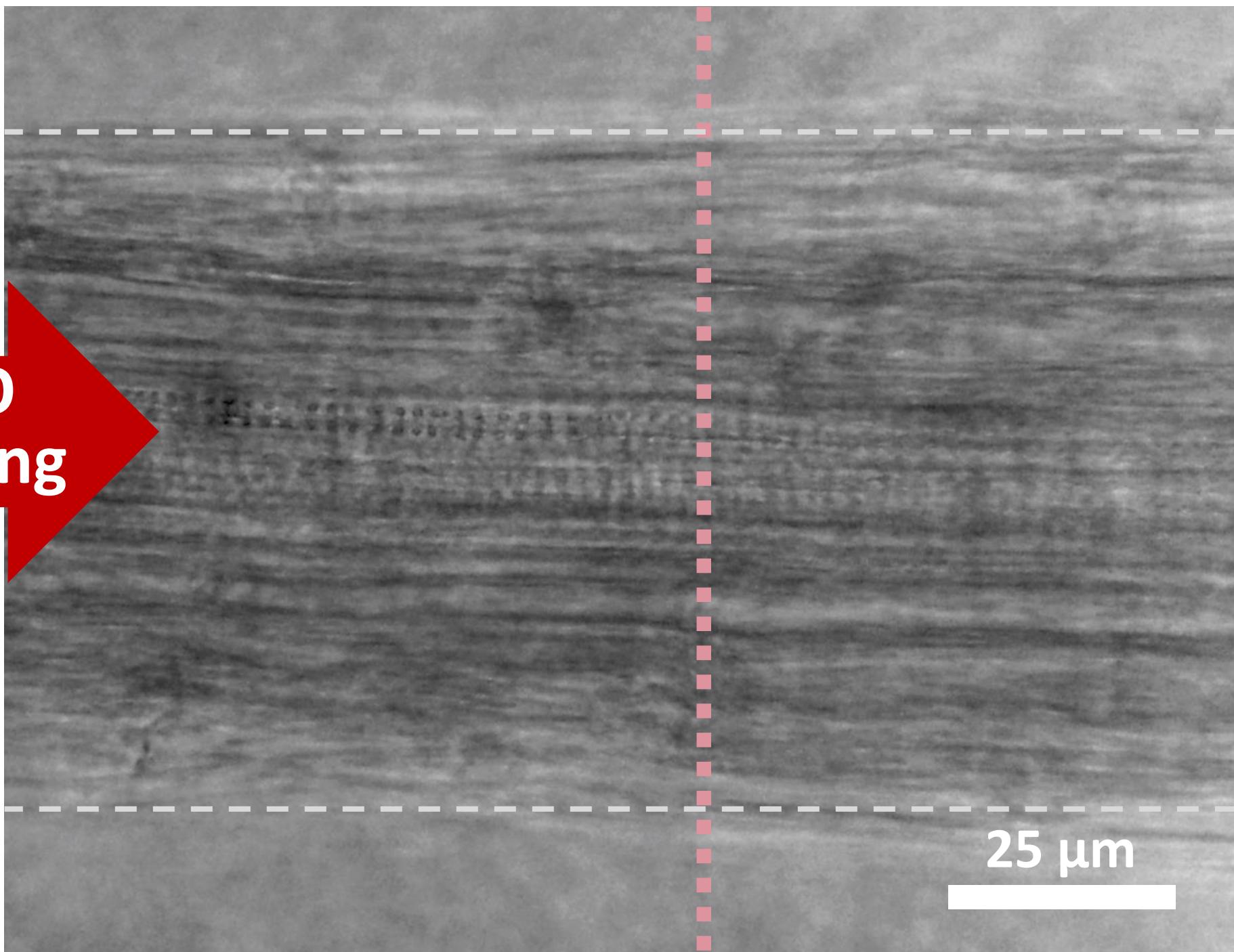
in plant roots
at cell resolution

FC Pascut, V Couvreur, D Dietrich, N Leftley, G Reyt, Y Boursiac, M Calvo-Polanco,
I Casimiro, C Maurel, DE Salt, X Draye, DM Wells, MJ Bennett & KF Webb



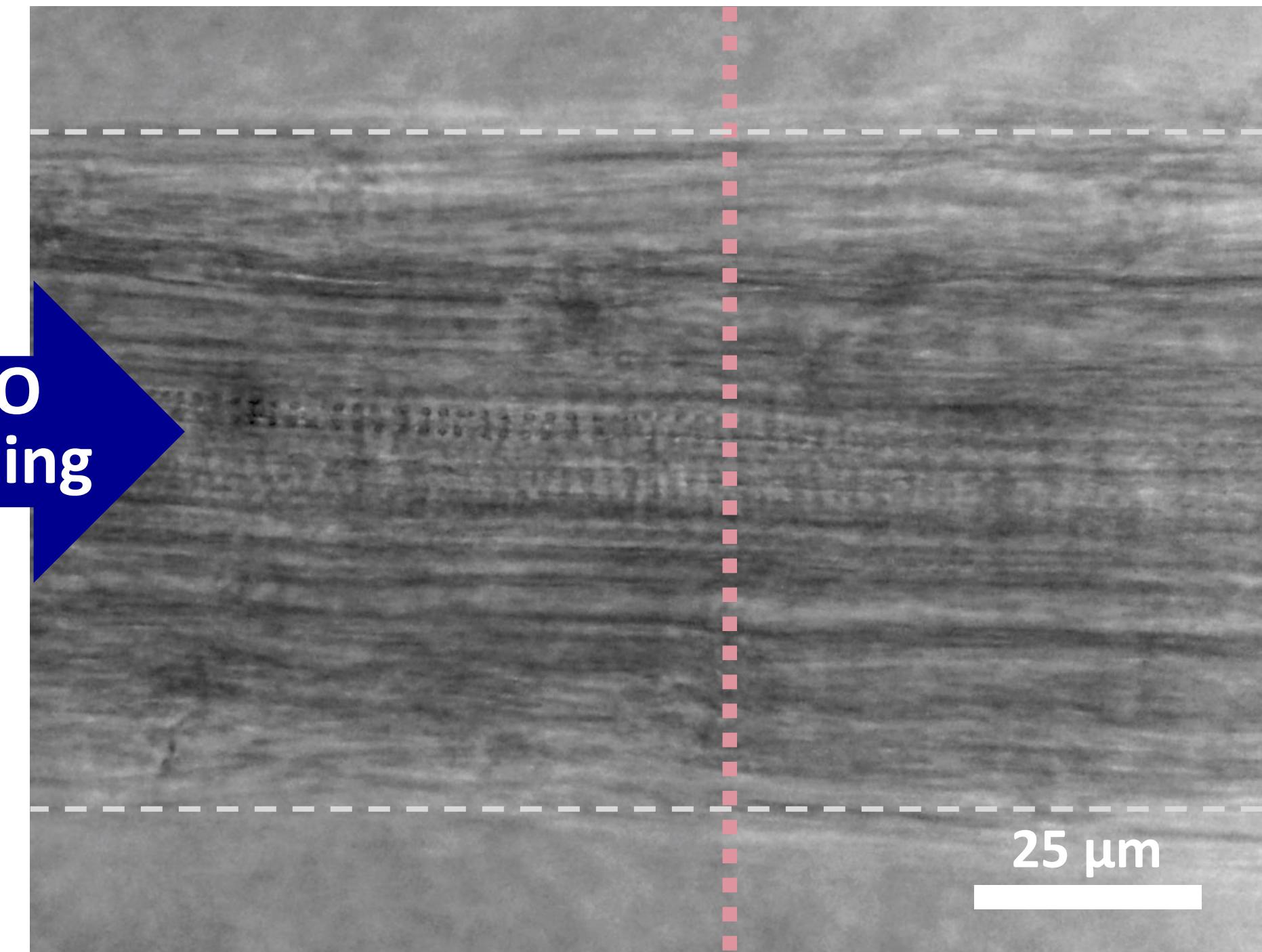
Laser

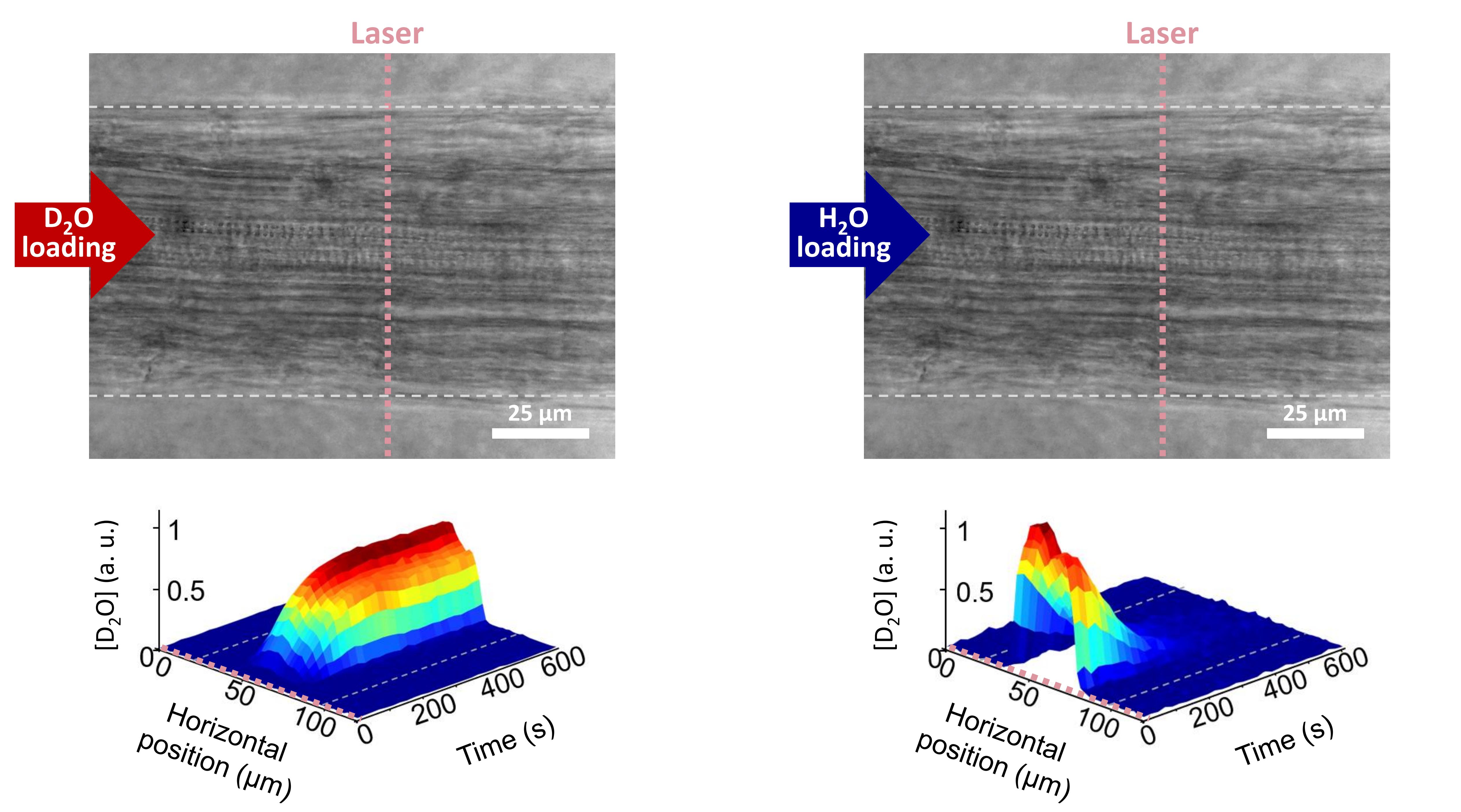
D₂O
loading



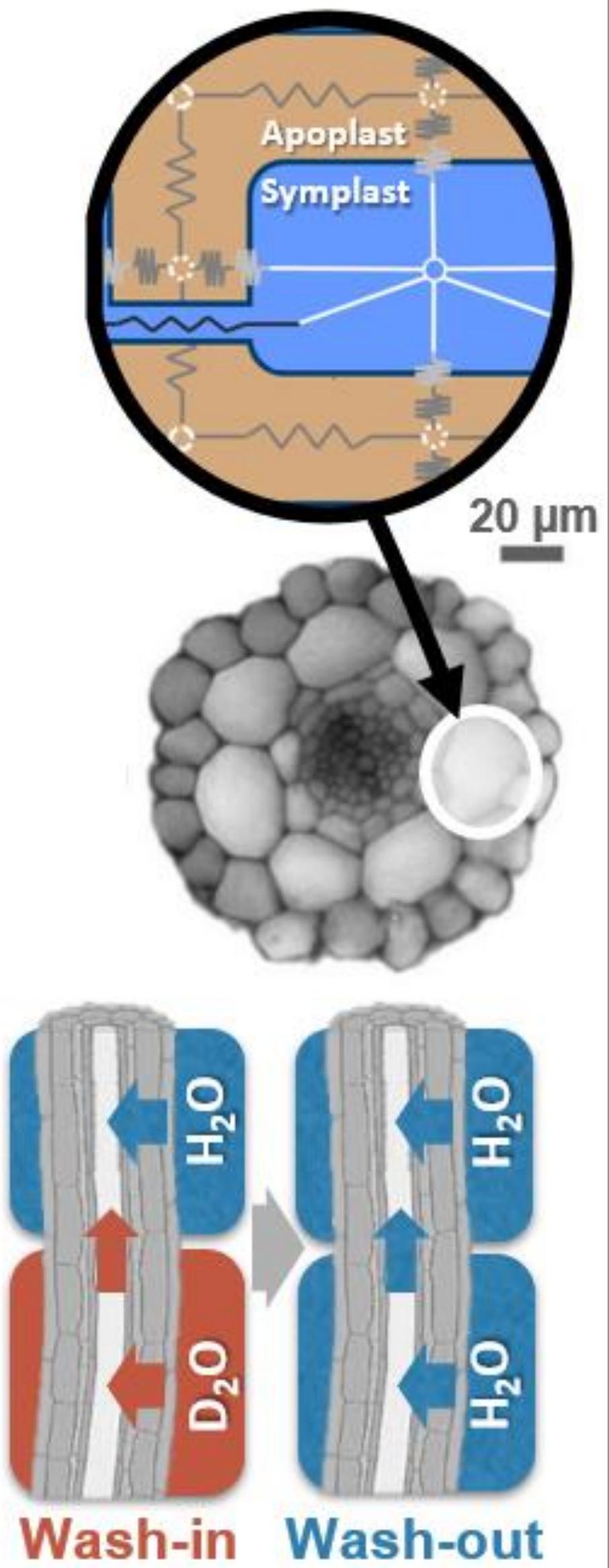
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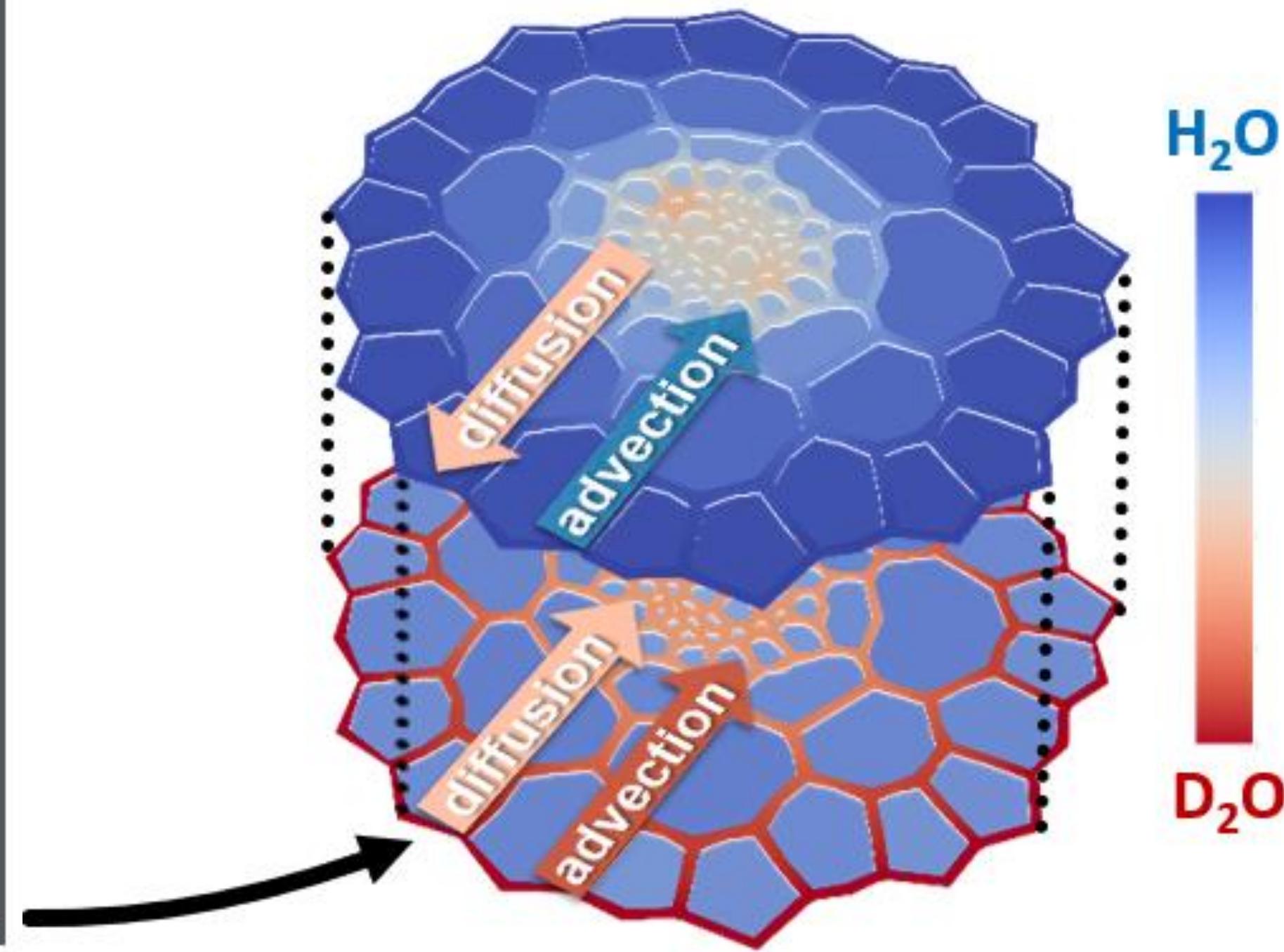
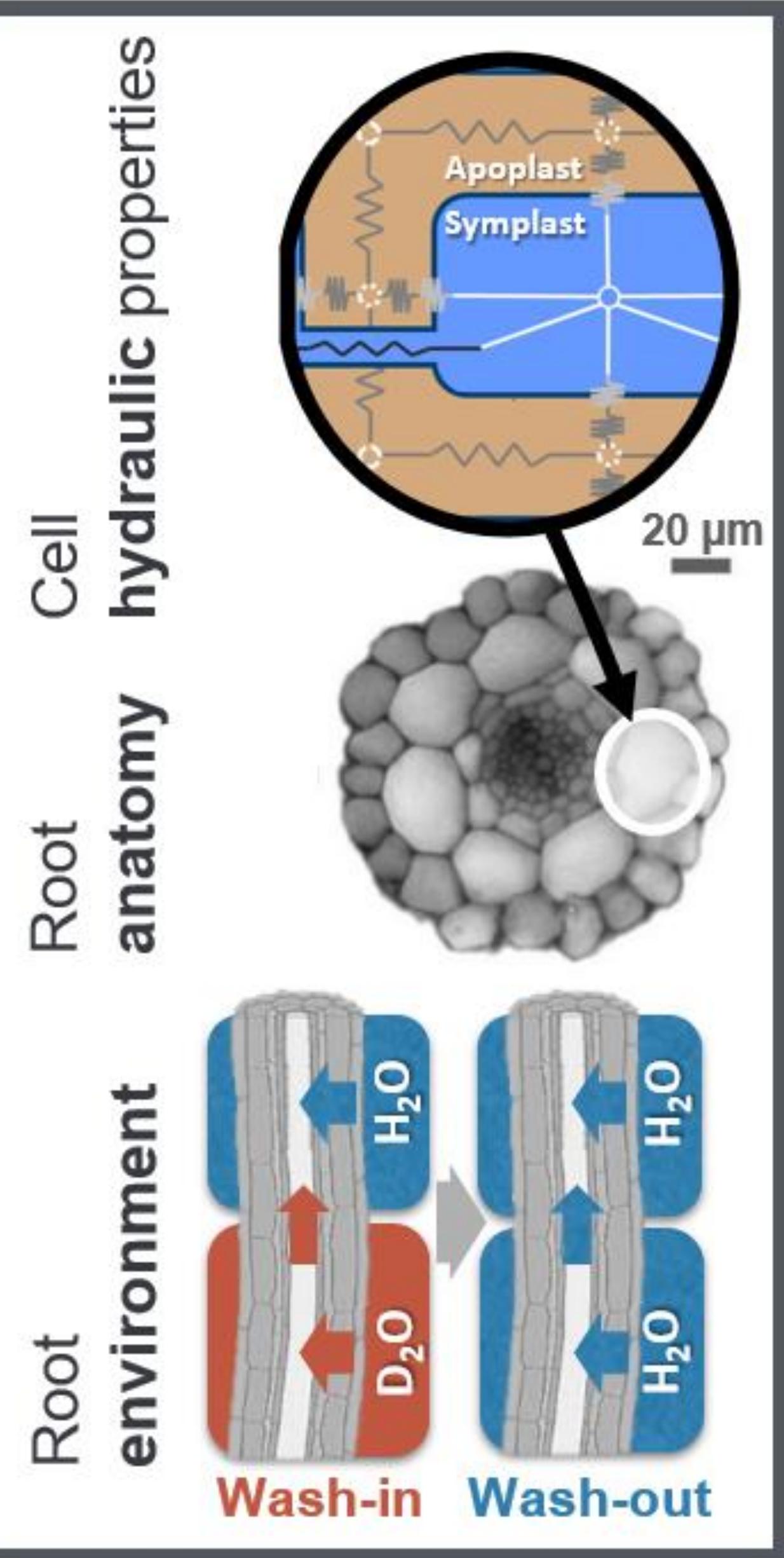
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loading



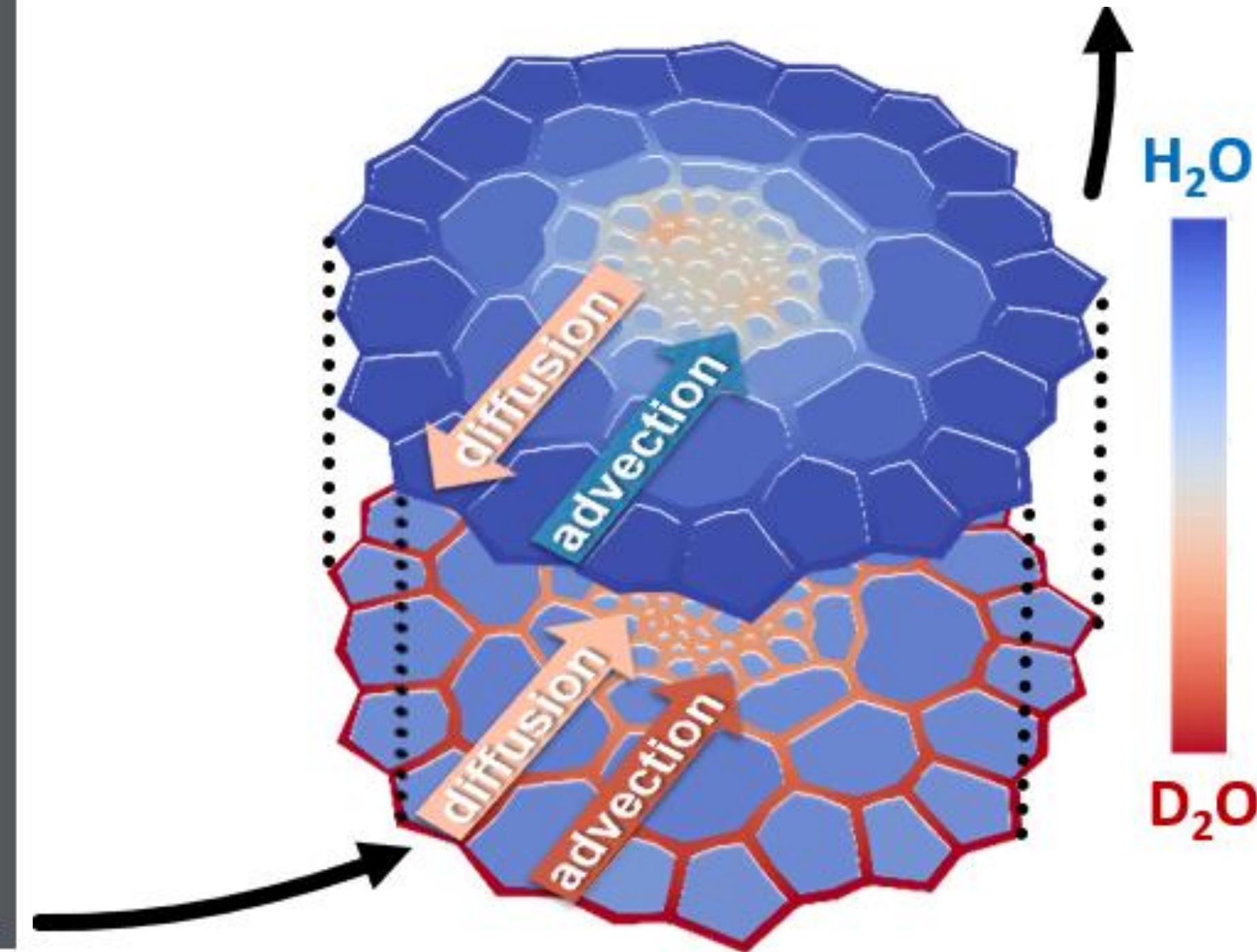
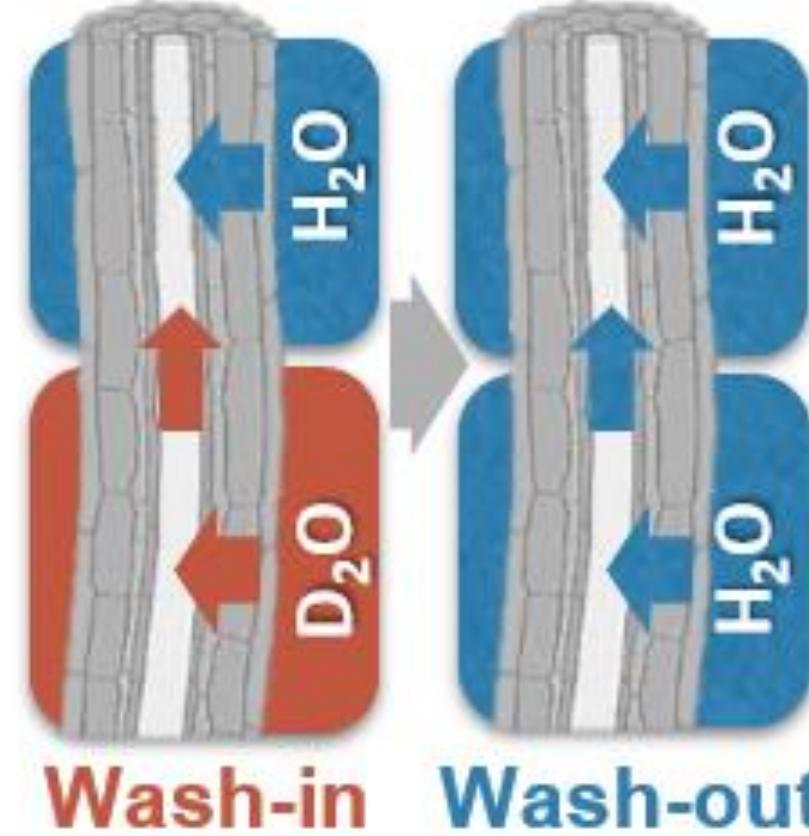
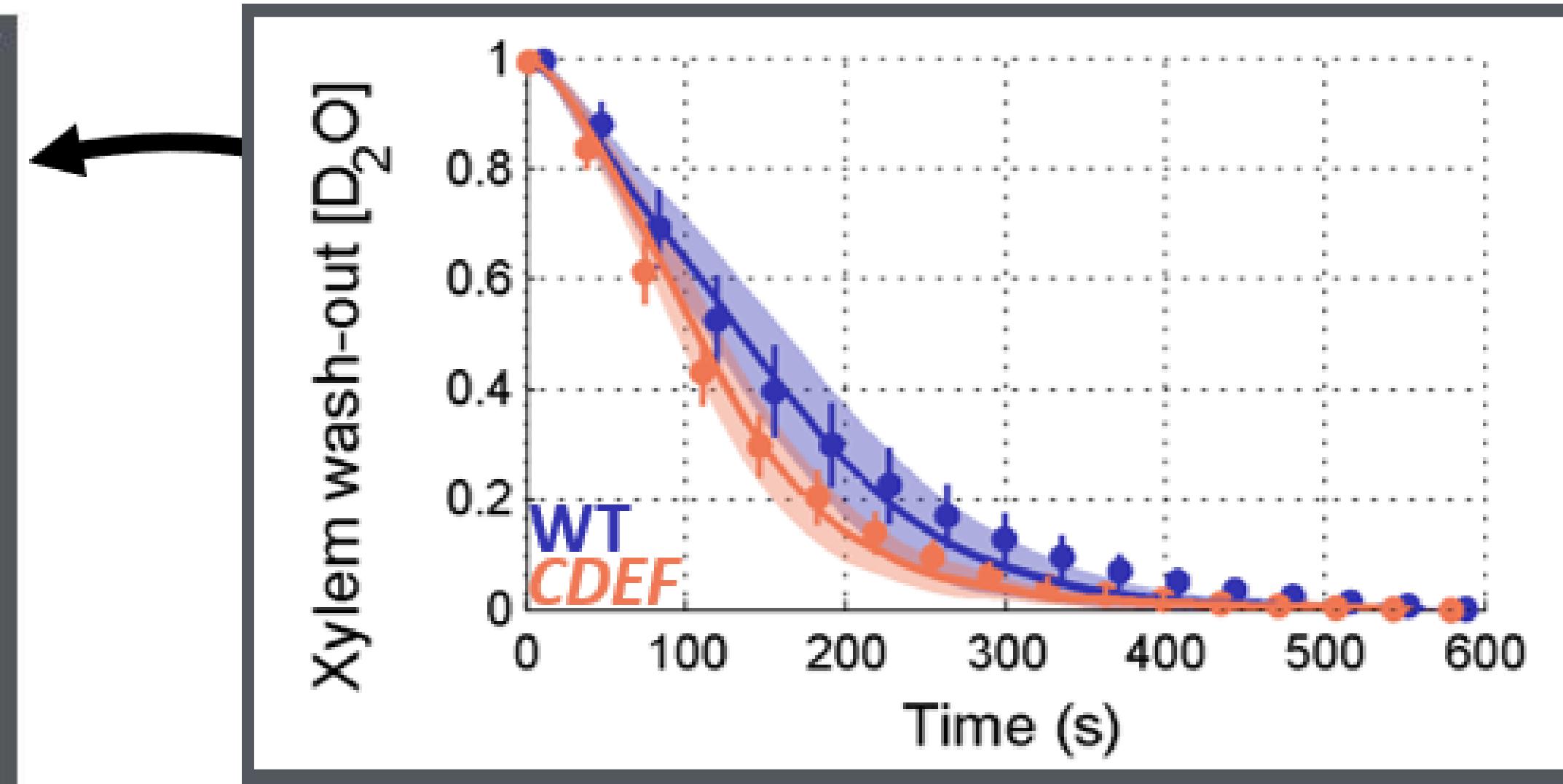
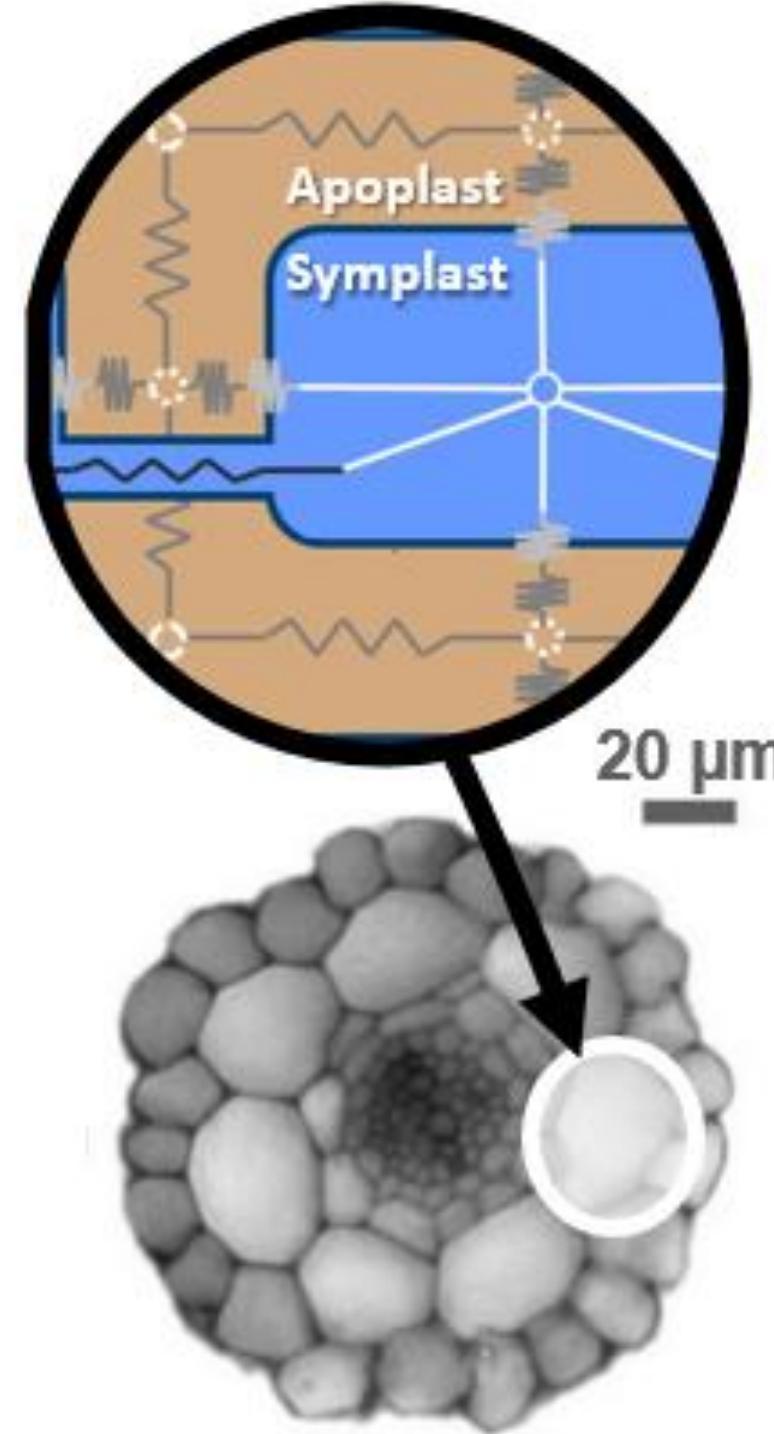


Root environment Root anatomy Cell hydraulic properties

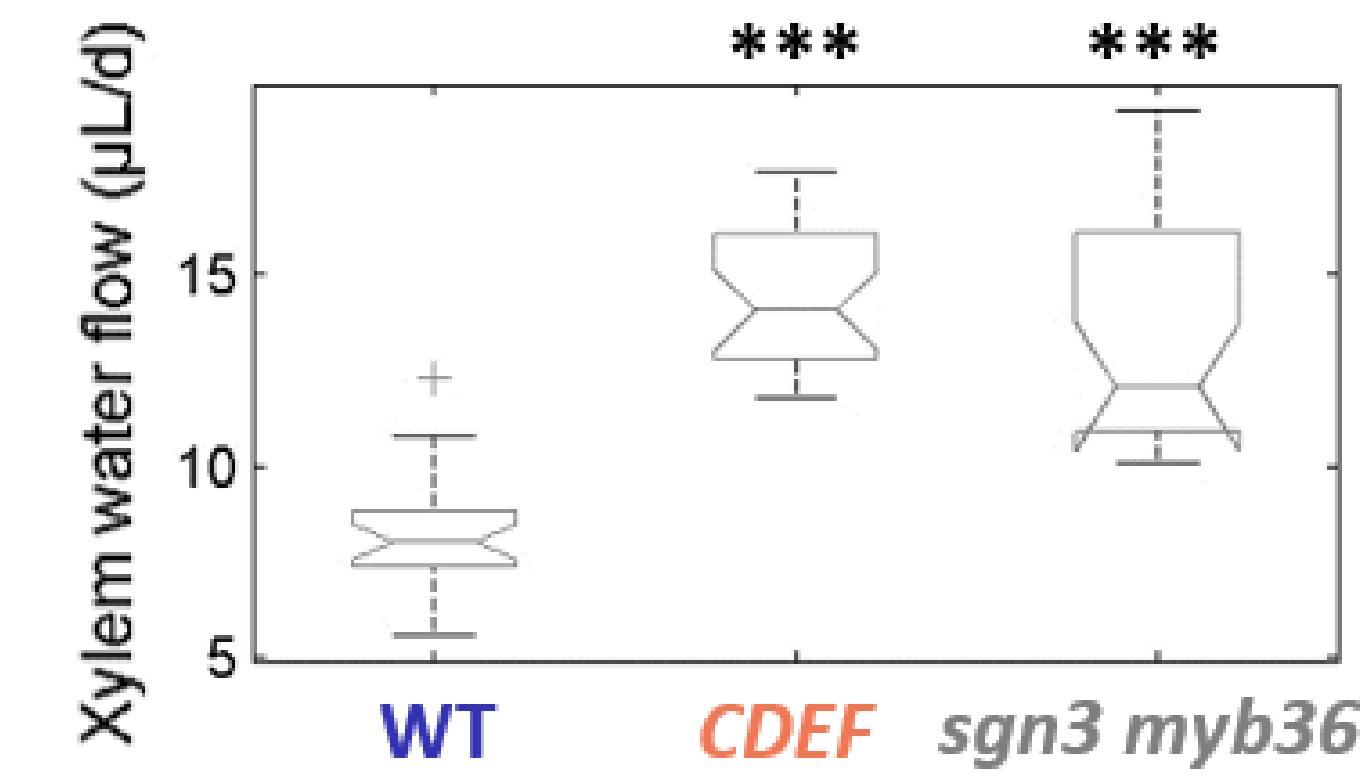
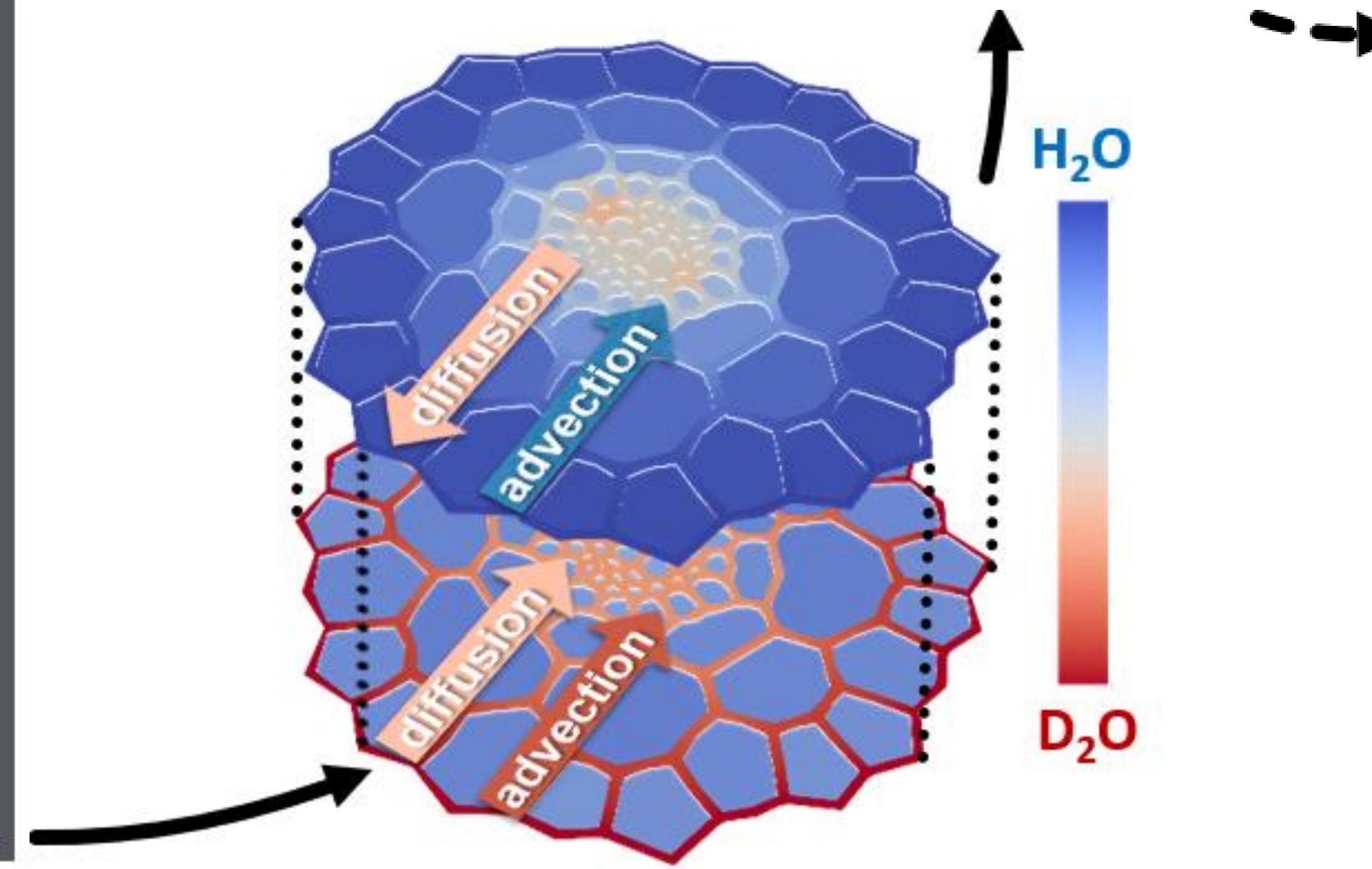
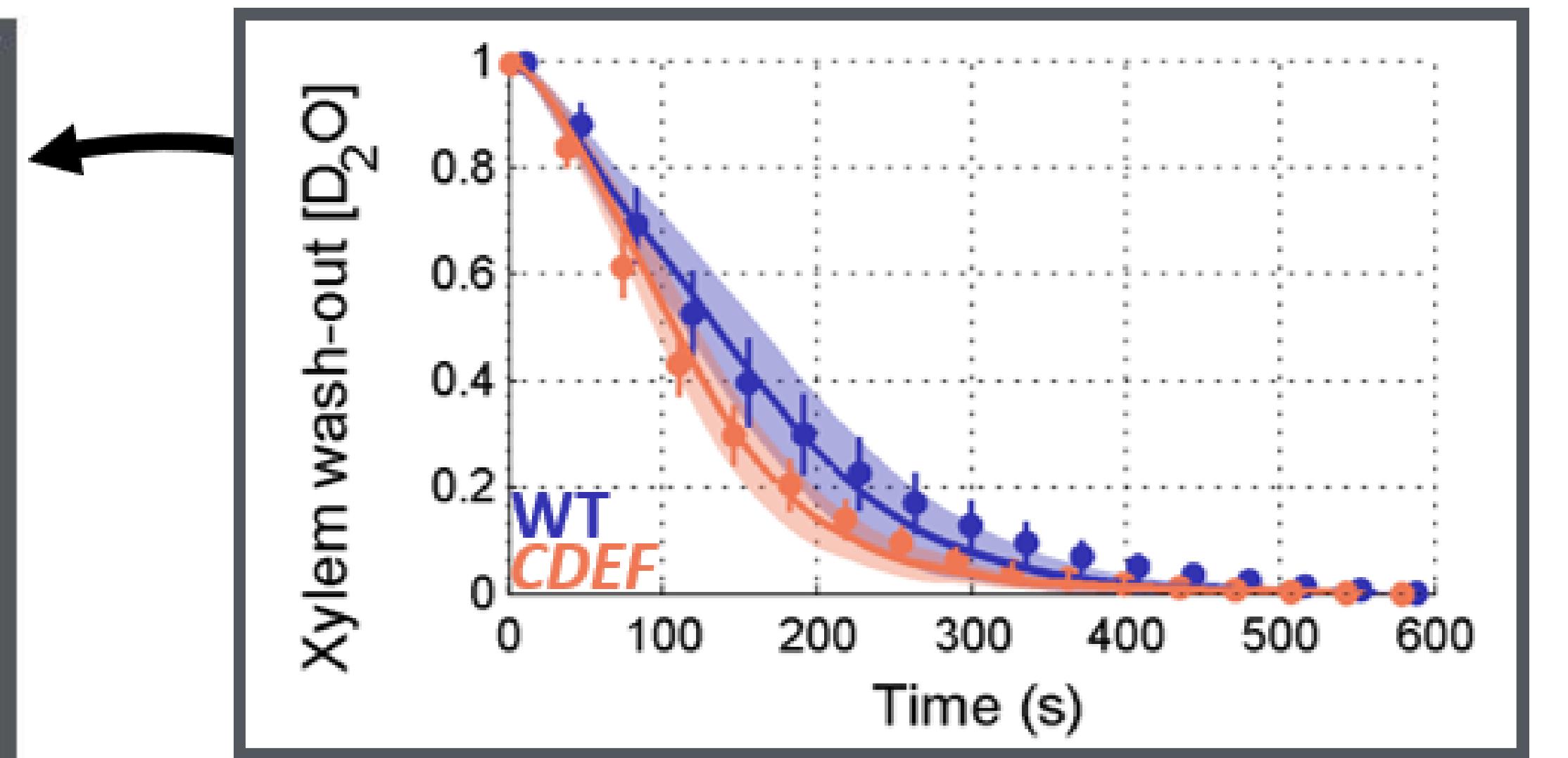
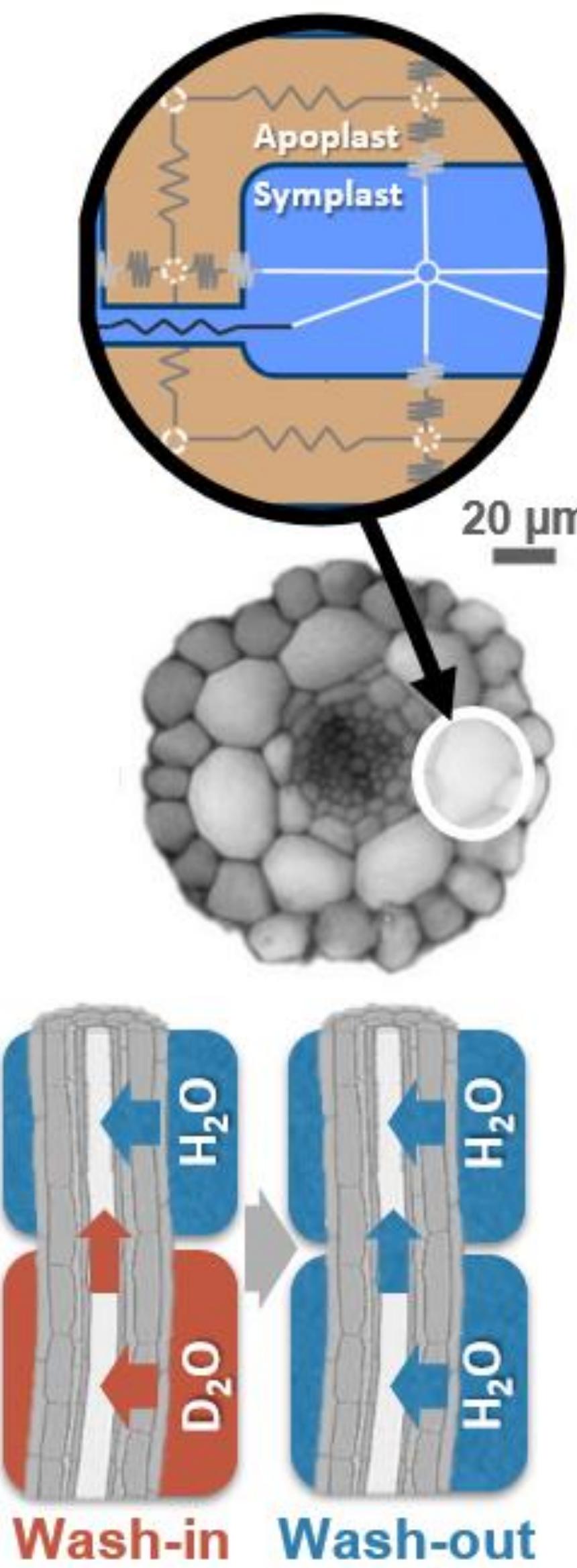




Root environment
Root anatomy
Cell hydraulic properties

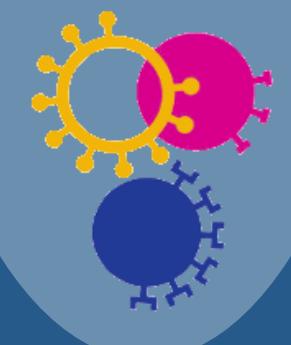


Root environment
Root anatomy
Cell hydraulic properties



THANK YOU FOR YOUR ATTENTION! 😊

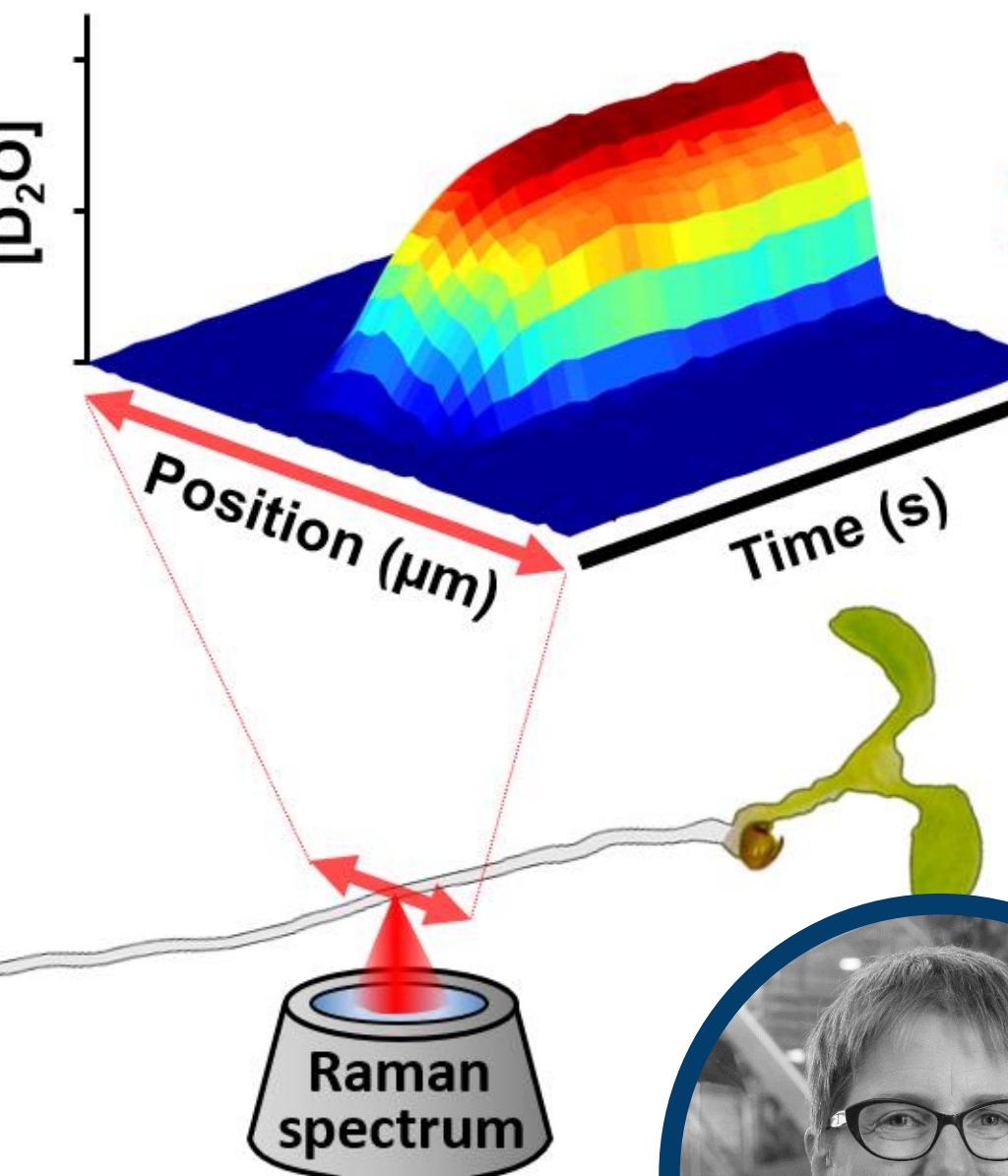
Funding



Watching plants drink



D₂O



Raman spectrum

