Come and design the future's fuels and materials with us!

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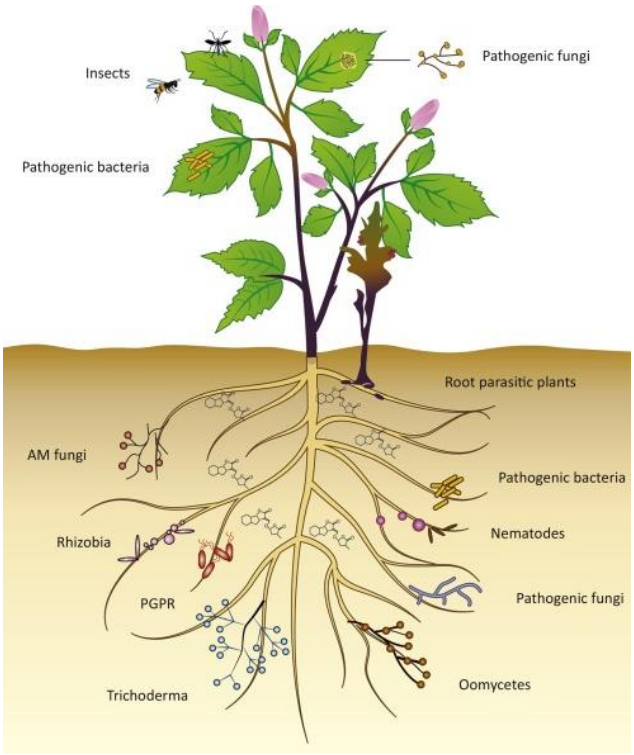
Do you want to learn about…

… the enigmatic machinery microorganisms use to penetrate plant cell wall?

&

… how to leverage the way microorganisms interact with plants for the future's circular bioeconomy

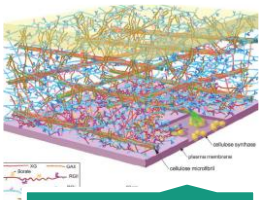


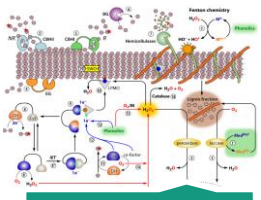
As the first step of plant colonization, fungi attack and try to loosen the plant cell wall so that they can enter the plant tissue. To date, the exact mechanism of action of the plant cell wall-loosening proteins is unknown. If you want to take part in a quest to study these proteins and discover new enzyme activities that will enable targeted conversion of biomass to biofuels and biomaterials, join us at the PEP-group.

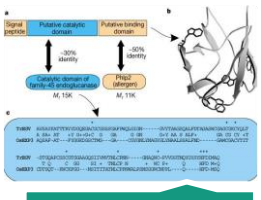
What we offer

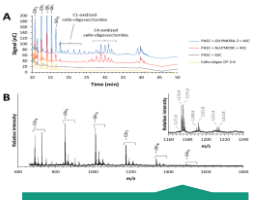
You will get the chance to learn a set of methods useful in later career choices: enzyme production and purification, cloning techniques, a wide range of biochemical assays, biomass processing and cutting-edge analytical tools such as HPLC and mass spectrometry.

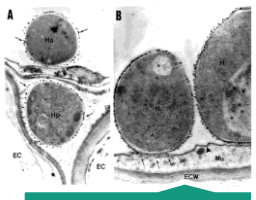
With us, you can learn about…


Plant cell wall architecture


Fungal enzymatic machinery


Bioinformatic analysis of target proteins


Cutting-edge analytics


Microscopy techniques