

# IBIOL EXTERNAL SEMINAR



**27 NOVEMBER 2025**



12:15–13:15



ROOM F 200



Pamela van Berkum

**Max Planck Institute for Chemical Ecology, Jena**

**Knowing your surroundings matters:**

**How does plant diversity shape plant volatile profiles?**

Plant volatiles are key info-chemicals in ecosystems, mediating multiple biotic interactions, but how does surrounding diversity shape this chemical dialogue? This study explores how community diversity and shared soil–plant history influence volatile profiles, showing that diversity directly and indirectly shapes volatiles at both species and community levels, with effects strengthening as communities mature.