



31. Oktober 2024 | 14:15 Uhr | Hörsaal Ö1

# From big to small small things, big impact: post-translationally modified peptides in plants

Plant peptides share several similarities with classical hormones, though their significance was long underestimated. Small post-translationally modified peptides (SPMPs) originate from pre-pro-proteins and undergo proteolytic processing and further modifications like tyrosine sulfation, proline hydroxylation, and O-glycosylation. However, questions remain: how do plant cells manage peptide production? Why are so many modifications needed? Do these steps occur randomly or in order? In this lecture I will address these questions in the context of plant growth, development and stress responses.



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hält mit diesem Vortrag die Antrittsvorlesung im Rahmen seines Habilitationsverfahrens. Er erwirbt damit die Lehrbefugnis für das Fach Molekulare Botanik.

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