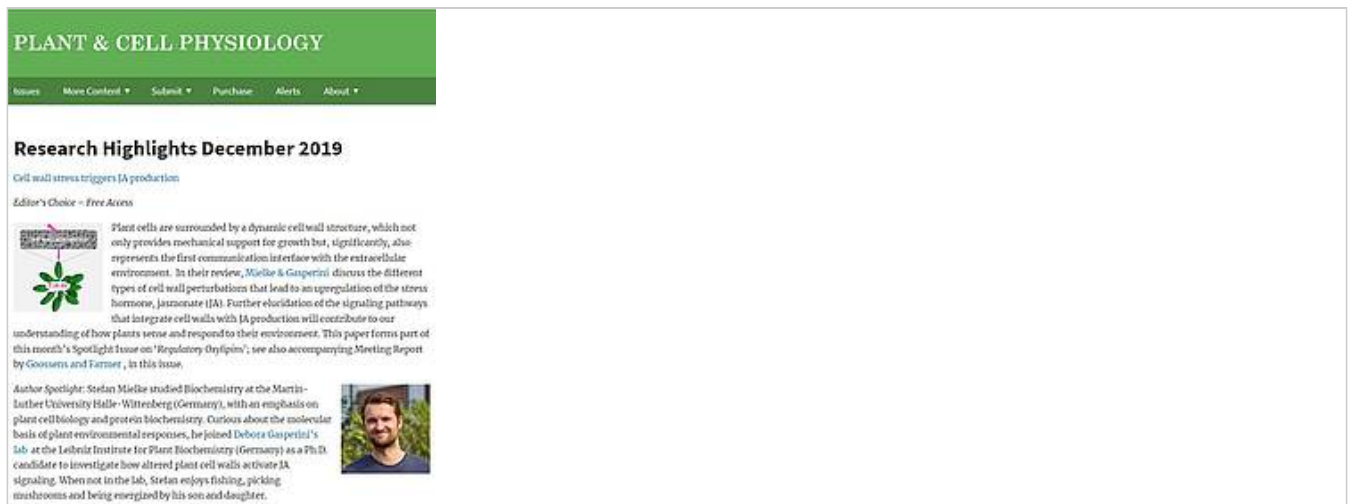


11.12.2019

## +++ News Ticker Science #18 +++ Highlighted Article +++



The screenshot shows the 'PLANT & CELL PHYSIOLOGY' website interface. At the top, there is a navigation bar with links for 'Issues', 'More Content', 'Submit', 'Purchase', 'Alerts', and 'About'. Below this, the main heading reads 'Research Highlights December 2019'. The featured article is titled 'Cell wall stress triggers JA production' and is marked as 'Editor's Choice - Free Access'. The article text describes the dynamic cell wall structure of plant cells and its role in mechanical support and communication with the environment. It mentions a review by Mielke & Gasperini on cell wall perturbations leading to jasmonate (JA) production. A small image of a plant is visible next to the text. Below the article, there is an 'Anchor Spotlight' section featuring a portrait of Stefan Mielke and a short biography of his research interests and background.

### Plant Cell & Physiology: Research Highlights in December.

Congratulations to Stefan Mielke and Debora Gasperini! Their latest review on the interplay between cell wall damage and jasmonate production was selected by [Editor's Choice](#) and highlighted on the *Plant Cell & Physiology* website. Plant cells are surrounded by a dynamic cell wall structure, which not only provides mechanical support for growth but, significantly, also represents the first communication interface with the extracellular environment. In their review, Mielke & Gasperini discuss the different types of cell wall perturbations that lead to an upregulation of the stress hormone, jasmonate (JA). First author Stefan Mielke was also spotlighted. He studied Biochemistry at the University of Halle and joined [Debora Gasperini's lab](#) at the IPB as a Ph.D. candidate to investigate how altered plant cell walls activate JA signaling. When not in the lab, Stefan enjoys fishing, picking mushrooms and being energized by his son and daughter.

### Reference:

Stefan Mielke & Debora Gasperini. Interplay between Plant Cell Walls and Jasmonate Production. *Plant & Cell Physiology*, **60**, 2629–2637.