

SFB 924-/BZR – Kolloquium

Donnerstag, 23. Mai 2019

11:00 Uhr, Seminarraum DE 2.121

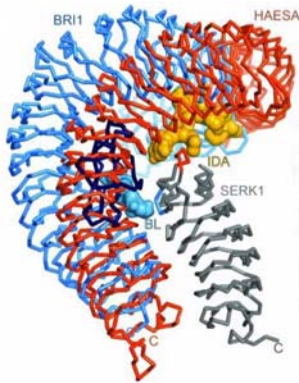


Prof. Dr. Melinka Alonso Butenko

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“The IDA Peptide Modulates Cell Separation and Immunity in Arabidopsis”

The Butenko-lab studies peptide ligand-receptor interactions in the model system *Arabidopsis thaliana*.



By using the Arabidopsis mutant inflorescence deficient in abscission (*ida*) they are trying to decipher the signaling pathway that controls cell separation during floral abscission. IDA encodes a putative peptide ligand that interacts with various receptor-like kinases including HAESA and HAESA-LIKE2, to activate and inhibit members of the KNOX family of transcription factors.

They are currently using genetic interactions and biochemical approaches to investigate the role of IDA, HAESA-LIKE (HSL) and other LRR-RLK receptor genes in stress responses in Arabidopsis. Collaborate studies on structural investigations aided to understand the IDA-HAESA receptor complex.

Host: Prof. Dr. Thomas Dresselhaus



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