

CV - Michal Ackerman-Lavert

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Academic background

2010 – 2013 B.Sc. in Plant sciences at the Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem.

2013 – 2015 M.Sc. in Plant sciences at the Robert H. Smith Faculty of Agriculture, Food and Environment, The Hebrew University of Jerusalem.

2016 – 2021 Ph.D. in Plant sciences at the Technion-Israel Institute of Technology, Faculty of Biology

Research experience

2021 – 2023 Postdoctoral position at Northern Agriculture R&D- Migal research institute

2023 –..... Researcher at Northern Agriculture R&D- Migal research institute

Recent relevant publications

Ackerman-Lavert M, Fridman Y, Matosevich R, Friedlander R, Vragović K, Ben-El R, Horev G, Efroni I, Savaldi-Goldstein S. (2021). Auxin requirements for a meristematic state in roots depend on a dual brassinosteroid function. *Current Biology*. 31: 4462-4472. Link: [https://www.cell.com/current-biology/pdf/S0960-9822\(21\)01065-4.pdf](https://www.cell.com/current-biology/pdf/S0960-9822(21)01065-4.pdf)

Fridman Y, Strauss S, Horev G, **Ackerman-Lavert M**, Reiner Benaim A, Lane B, Smith R.S, Savaldi-Goldstein, S (2021). The root meristem is shaped by brassinosteroid control of cell geometry. *Nature Plants*. 7: 1475-1484. Link: <https://www.nature.com/articles/s41477-021-01014-9>

Ackerman-Lavert, M. and Savaldi-Goldstein, S. (2020). Growth models from a brassinosteroid perspective . *Current Opinion in Plant Biology*. 53: 90-97. Link: <https://www.sciencedirect.com/science/article/abs/pii/S1369526619300998>

Ackerman, M. and Samach A. (2015). Doubts regarding carbohydrate shortage as a trigger towards abscission of specific Apple (*Malus domestica*) fruitlets. *New Negatives in Plant Science*. 2: 46-52. Link: <https://www.sciencedirect.com/science/article/pii/S2352026415300258>

Haberman, A., **Ackerman, M.**, Crane, O., Kelner, J-J., Costes, E. and Samach A. (2016). Different flowering response to various fruit loads in apple cultivars correlates with degree of

transcript reaccumulation of a TFL1 encoding gene. Plant Journal. 87: 161-173. Link: <https://onlinelibrary.wiley.com/doi/full/10.1111/tpj.13190>

Singh AP, Fridman Y, Holland N, **Ackerman-Lavert M**, Zananiri R, Jaillais Y, Henn A, Savaldi-Goldstein S. (2018). Interdependent Nutrient Availability and Steroid Hormone Signals Facilitate Root Growth Plasticity. Developmental Cell. 46: 59-72. Link: [https://www.cell.com/developmental-cell/pdf/S1534-5807\(18\)30456-8.pdf](https://www.cell.com/developmental-cell/pdf/S1534-5807(18)30456-8.pdf)

Inventions or patents

A. Samach, M. Ackerman-Lavert, P. Fresnillo Herrero, O. Crane. (2020). Use Of Uniconazole For Potentiating Absciscic Acid Effects In Plants. US Provisional Patent Application No 63/077,626.