

Christa Kanstrup
Postdoc

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Qualifications

PhD student at the Department of Plant and Environmental Sciences (PLEN), University of Copenhagen
1 Jan 2019 → 3 Oct 2022
Award Date: 3 Oct 2022

Master in Biology-Biotechnology, Copenhagen University, University of Copenhagen
Award Date: 28 Sep 2018

Bachelor in Biology-Biotechnology, Copenhagen University, University of Copenhagen
Award Date: 24 Jun 2016

Employment

Postdoc

Section for Molecular Plant Biology

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1 Sep 2022 → nu

Research outputs

An UMAMIT-GTR transporter cascade controls glucosinolate seed loading in *Arabidopsis*

Sanden, Niels Christian Holm, Kanstrup, Christa, Crocoll, C., Schulz, Alexander, Nour-Eldin, Hussam Hassan, Halkier, Barbara Ann & Xu, Deyang, 2024, In: Nature Plants. 10, p. 172-179

Inverse pH Gradient-Assay for Facile Characterization of Proton-Antiporters in *Xenopus* Oocytes

Belew, Zeinu Mussa, Kanstrup, Christa, Hua, C., Crocoll, C. & Nour-Eldin, Hussam Hassan, 2024, In: Membranes. 14, 2, 11 p., 39.

Artificial Fluorescent Glucosinolates (F-GSLs) Are Transported by the Glucosinolate Transporters GTR1/2/3

Kanstrup, Christa, Jimidar, C. C., Tomas, J., Cutolo, G., Crocoll, C., Schuler, M., Klahn, P., Tatibouët, A. & Nour-Eldin, Hussam Hassan, 2023, In: International Journal of Molecular Sciences. 24, 2, 26 p., 920.

Elucidation of the structure-function relationship in the Nitrate and Peptide Transporter Family

Kanstrup, Christa, 2022, Department of Plant and Environmental Sciences, Faculty of Science, University of Copenhagen . 189 p.

Structural Insights into the Substrate Transport Mechanisms in GTR Transporters through Ensemble Docking

Peña-Varas, C., Kanstrup, Christa, Vergara-jaque, A., González-avendaño, M., Crocoll, C., Mirza, Osman Asghar, Dreyer, I., Nour-Eldin, Hussam Hassan & Ramírez, D., 2022, In: International Journal of Molecular Sciences. 23, 3, 20 p., 1595.

The emerging role of the nitrate and peptide transporter family: NPF in plant specialized metabolism

Kanstrup, Christa & Nour-Eldin, Hussam Hassan, 2022, In: Current Opinion in Plant Biology. 68, 10 p., 102243.

The GORKY glycoalkaloid transporter is indispensable for preventing tomato bitterness

Kazachkova, Y., Zemach, I., Panda, S., Bocobza, S., Vainer, A., Rogachev, I., Dong, Y., Ben-Dor, S., Veres, D., Kanstrup, Christa, Lambertz, S. K., Crocoll, C., Hu, Y., Shani, E., Michaeli, S., Nour-Eldin, Hussam Hassan, Zamir, D. & Aharoni, A., 2021, In: Nature Plants. 7, p. 468-480

mGWAS Uncovers Gln-Glucosinolate Seed-Specific Interaction and its Role in Metabolic Homeostasis

Slaten, M. L., Yobi, A., Bagaza, C., Chan, Y. O., Shrestha, V., Holden, S., Katz, E., Kanstrup, Christa, Lipka, A. E., Kliebenstein, D. J., Nour-Eldin, Hussam Hassan & Angelovici, R., 2020, In: *Plant Physiology*. 183, 2, p. 483-500 18 p.