

Christa Kanstrup  
Postdoc

Section for Molecular Plant Biology

**Postal address:**  
Thorvaldsensvej 40  
1871

Frederiksberg C  
**Email:** cka@plen.ku.dk  
**Phone:** +4535336738

**Web address:** <https://plen.ku.dk/forskning/molekylaer-plantebiologi/>



## 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

Frederiksberg C

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.