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Section for Molecular Plant Biology  
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## Qualifications

PhD in Biotechnology, University of Copenhagen  
15 Nov 2018 → 14 May 2022  
Award Date: 22 Jul 2022

## Employment

**Research Assistant**  
Section for Molecular Plant Biology  
Frederiksberg C  
1 Sep 2022 → nu

## Research outputs

### **Systematic engineering pinpoints a versatile strategy for the expression of functional cytochrome P450 enzymes in *Escherichia coli* cell factories**

Poborsky, Michal, Crocoll, C., Motawie, Mohammed Saddik & Halkier, Barbara Ann, 2023, In: *Microbial Cell Factories*. 22, 10 p., 219.

### **Comparison of Genome and Plasmid-Based Engineering of Multigene Benzylglucosinolate Pathway in *Saccharomyces cerevisiae***

Wang, Cuiwei, Poborsky, Michal, Crocoll, C., Nødvig, C. S., Mortensen, U. H. & Halkier, Barbara Ann, 2022, In: *Applied and Environmental Microbiology*. 88, 22, 15 p., e00978-22.

### **Engineering *Escherichia coli* towards production of plant specialized metabolites**

Poborsky, Michal, 2022, Department of Plant and Environmental Sciences, Faculty of Science, University of Copenhagen. 129 p.

### **Transport engineering in microbial cell factories producing plant-specialized metabolites**

Belew, Zeinu Mussa, Poborsky, Michal, Nour-Eldin, Hussam Hassan & Halkier, Barbara Ann, 2022, In: *Current Opinion in Green and Sustainable Chemistry*. 33, 100576.

### **Effects of the engineering of a single binding pocket residue on specificity and regioselectivity of hydratases from *Lactobacillus Acidophilus***

Zhang, Y., Eser, B. E., Kougioumtzoglou, G., Eser, Z., Poborsky, Michal, Kishino, S., Takeuchi, M., Ogawa, J., Kristensen, P. & Guo, Z., 2021, In: *Biochemical Engineering Journal*. 171, 108006.

### **Rational Engineering of Hydratase from *Lactobacillus acidophilus* Reveals Critical Residues Directing Substrate Specificity and Regioselectivity**

Eser, B. E., Poborsky, Michal, Dai, R., Kishino, S., Ljubic, A., Takeuchi, M., Jacobsen, C., Ogawa, J., Kristensen, P. & Guo, Z., 2020, In: *ChemBioChem*. 21, 4, p. 550-563