

# Kuan-Jen Lu

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## Education

2016 Ph.D. ETH Zurich

## Professional Experience

2014-Present Assistant Research Fellow, Agricultural Biotechnology Research Center,  
Academia Sinica

2017-2024 Post-doctoral fellow, IBC Academia Sinica

2016-2017 Post-doctoral fellow, ETH Zurich

## Selected Publications

Kuan-Jen Lu, Chiung-Wen Chang, Chun-Hsiung Wang, Frederic YH Chen, Irene Y Huang, Pin-Hsuan Huang, Cheng-Han Yang, Hsiang-Yi Wu, Wen-Jin Wu, Kai-Cheng Hsu, Meng-Chiao Ho, Ming-Daw Tsai, James C Liao, An ATP-sensitive phosphoketolase regulates carbon fixation in cyanobacteria. *Nature Metabolism*, 2023. 5(7), 1111-1126.

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functions of STARCH SYNTHASE 4 domains in starch granule formation. *Plant Physiology*, 2018. 176(1), 566-581.

David Seung, Julien Boudet, Jonathan Monroe, Tina B Schreier, Laure C David, Melanie Abt, Kuan-Jen Lu, Martina Zanella, Samuel C Zeeman, Homologs of PROTEIN TARGETING TO STARCH control starch granule initiation in Arabidopsis leaves. *The Plant Cell*, 2017. 29(7), 1657-1677.

Barbara Pfister, Antoni Sanchez-Ferrer, Ana Diaz, Kuanjen Lu, Caroline Otto, Mirko Holler, Farooque Razvi Shaik, Florence Meier, Raffaele Mezzenga, Samuel C Zeeman, Recreating the synthesis of starch granules in yeast. *eLife*, 2016. 5, e15552.

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