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## **PIN protein phosphorylation by plant AGC3 kinases and its role in polar auxin transport**

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## **Curriculum Vitae**

Fang Huang was born on August 14<sup>th</sup>, 1979 in Jining, Shandong, China. She attended high school at the Senior High School Attached to Shandong Normal University. In September 1998, she started studies in Microbiology at Shandong University, and got her bachelor degree in Biotechnology in 2002 at the same university. Between 2002 and 2004, she continued her master studies in Microbiology and did research under the supervision of Professor Changkai Zhang in the State Key Lab of Microbial Technology at Shandong University. In 2004, Fang was awarded a scholarship from the China Scholarship Council to study abroad. Then from 2004 to 2005, she was a master student at the Molecular Developmental Genetics Department in the Institute of Biology of Leiden University, working on the functional characterization of PINOID kinase interacting proteins under supervision of H el ene Robert-Boisivon and Dr. Remko Offringa. In August 2005, Fang received her master degree in Biology from Leiden University, The Netherlands, and continued her PhD research in the same group, to study the phosphorylation regulation of polar auxin transport components in *Arabidopsis thaliana* (this thesis). From August 2010 on, she works as a post-doc under the supervision of Prof John F. Allen at the School of Biological and Chemical Sciences, Queen Mary, University of London, U.K. Her research focuses on the regulation of photosynthesis by phosphorylation and on redox signaling in cell evolution.



## Publications

**Huang F.**, Zago M.K., Abas L., van Marion A., Galván-Ampudia, C., Offringa R. Phosphorylation of conserved PIN motifs directs *Arabidopsis* PIN1 polarity and auxin transport. ***Plant Cell***, 2010, 22: 1129–1142

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Michniewicz M., Zago M.K., Abas L., Weijers, D., Schweighofer, A., Meskiene, I., Heisler M.G., Ohno, C., Zhang, J., **Huang F.**, Schwab R., Weigel D., Meyerowitz E.M., Luschnig C., Offringa R., Friml J. Antagonistic regulation of PIN phosphorylation by PP2A and PINOID directs auxin flux. ***Cell***, 2007, 130: 1044-1056.

