



Qiong Xia

Basic Life Res Scientist, Pathology Sponsored Projects

Bio

EDUCATION AND CERTIFICATIONS

- Ph.D., Université Pierre-et-Marie-Curie , Plant Biology (2016)
- M.S., Northeast Normal University , Genetics (2012)
- B.S., Jilin University (2009)

Publications

PUBLICATIONS

- **Re-localization of hormone effectors is associated with dormancy alleviation by temperature and after-ripening in sunflower seeds** *SCIENTIFIC REPORTS*
Xia, Q., Ponnaiah, M., Thanikathansubramanian, K., Corbineau, F., Bailly, C., Nambara, E., Meimoun, P., El-Maarouf-Bouteau, H.
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- **Activation of plasma membrane H⁺-ATPases participates in dormancy alleviation in sunflower seeds** *PLANT SCIENCE*
De Bont, L., Naim, E., Arbelet-Bonin, D., Xia, Q., Palm, E., Meimoun, P., Mancuso, S., El-Maarouf-Bouteau, H., Bouteau, F.
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- **One Way to Achieve Germination: Common Molecular Mechanism Induced by Ethylene and After-Ripening in Sunflower Seeds** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
Xia, Q., Saux, M., Ponnaiah, M., Gilard, F., Perreau, F., Hugué, S., Balzergue, S., Langlade, N., Bailly, C., Meimoun, P., Corbineau, F., El-Maarouf-Bouteau, H.
2018; 19 (8)
- **Integrating proteomics and enzymatic profiling to decipher seed metabolism affected by temperature in seed dormancy and germination** *PLANT SCIENCE*
Xia, Q., Maharajah, P., Cuff, G., Rajjou, L., Prodhomme, D., Gibon, Y., Bailly, C., Corbineau, F., Meimoun, P., El-Maarouf-Bouteau, H.
2018; 269: 118–25
- **Laser Irradiation-Induced DNA Methylation Changes Are Heritable and Accompanied with Transpositional Activation of mPing in Rice** *FRONTIERS IN PLANT SCIENCE*
Li, S., Xia, Q., Wang, F., Yu, X., Ma, J., Kou, H., Lin, X., Gao, X., Liu, B.
2017; 8: 363
- **The Core Subunit of A Chromatin-Remodeling Complex, ZmCHB101, Plays Essential Roles in Maize Growth and Development** *SCIENTIFIC REPORTS*
Yu, X., Jiang, L., Wu, R., Meng, X., Zhang, A., Li, N., Xia, Q., Qi, X., Pang, J., Xu, Z., Liu, B.
2016; 6: 38504
- **Determination of Protein Carbonylation and Proteasome Activity in Seeds.** *Methods in molecular biology (Clifton, N.J.)*
Xia, Q., El-Maarouf-Bouteau, H., Bailly, C., Meimoun, P.
2016; 1450: 205–12
- **Ethylene, a key factor in the regulation of seed dormancy** *FRONTIERS IN PLANT SCIENCE*
Corbineau, F., Xia, Q., Bailly, C., El-Maarouf-Bouteau, H.

2014; 5: 539

- **Induced Pib Expression and Resistance to Magnaporthe grisea are Compromised by Cytosine Demethylation at Critical Promoter Regions in Rice** *JOURNAL OF INTEGRATIVE PLANT BIOLOGY*

Li, Y., Xia, Q., Kou, H., Wang, D., Lin, X., Wu, Y., Xu, C., Xing, S., Liu, B.
2011; 53 (10): 814–23