

Stanford



Si Wu

Postdoctoral Research Fellow, Genetics

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- Excellent Master Foundation for innovative projects, Second Military Medical University (03.2012)
- 4th National Pharmaceutical Analysis and Pharmaceutical Metabolism Excellent Thesis Exchange, National Pharmaceutical Analysis Society (07.2013)
- EMBO grant for Metabolomics course, EMBO (02.2015)
- Science Foundation Ireland Student Travel Award at Metabolomics conference, Metabolomics society (06.2016)

PROFESSIONAL EDUCATION

- Doctor of Science, University of Potsdam (2017)
- Master of Medicine, Second Military Medical College (2013)
- Bachelor of Science, Huazhong University Of Science & Technology (2010)

LINKS

- LinkedIn Link: <https://www.linkedin.com/feed/?trk=>
- Lab link: <http://snyderlab.stanford.edu/index.html>

Publications

PUBLICATIONS

- **A Customizable Analysis Flow in Integrative Multi-Omics.** *Biomolecules*
Lancaster, S. M., Sanghi, A., Wu, S., Snyder, M. P.
2020; 10 (12)
- **Molecular Choreography of Acute Exercise.** *Cell*
Contrepois, K. n., Wu, S. n., Moneghetti, K. J., Hornburg, D. n., Ahadi, S. n., Tsai, M. S., Metwally, A. A., Wei, E. n., Lee-McMullen, B. n., Quijada, J. V., Chen, S. n., Christle, J. W., Ellenberger, et al
2020; 181 (5): 1112–30.e16
- **Extensive Posttranscriptional Regulation of Nuclear Gene Expression by Plastid Retrograde Signals** *PLANT PHYSIOLOGY*
Wu, G., Meyer, E. H., Wu, S., Bock, R.
2019; 180 (4): 2034–48
- **Characterization of three different classes of non-fermented teas using untargeted metabolomics** *FOOD RESEARCH INTERNATIONAL*
Zhang, Q., Wu, S., Li, Y., Liu, M., Ni, K., Yi, X., Shi, Y., Ma, L., Willmitzer, L., Ruan, J.
2019; 121: 697–704
- **Mapping the Arabidopsis Metabolic Landscape by Untargeted Metabolomics at Different Environmental Conditions** *MOLECULAR PLANT*

- Wu, S., Tohge, T., Cuadros-Inostroza, A., Tong, H., Tenenboim, H., Kooke, R., Meret, M., Keurentjes, J. B., Nikoloski, Z., Fernie, A. R., Willmitzer, L., Brotman, Y.
2018; 11 (1): 118–34
- **Guidelines for Sample Normalization to Minimize Batch Variation for Large-Scale Metabolic Profiling of Plant Natural Genetic Variance** *PLANT METABOLOMICS: METHODS AND PROTOCOLS*
Alseekh, S., Wu, S., Brotman, Y., Fernie, A. R., Antonio, C.
2018; 1778: 33–46
 - **Combined Use of Genome-Wide Association Data and Correlation Networks Unravels Key Regulators of Primary Metabolism in Arabidopsis thaliana** *PLOS GENETICS*
Wu, S., Alseekh, S., Cuadros-Inostroza, A., Fusari, C. M., Mutwil, M., Kooke, R., Keurentjes, J. B., Fernie, A. R., Willmitzer, L., Brotman, Y.
2016; 12 (10): e1006363
 - **Lipidomic profiling reveals significant alterations in lipid biochemistry in hypothyroid rat cerebellum and the therapeutic effects of Sini decoction** *JOURNAL OF ETHNOPHARMACOLOGY*
Wu, S., Chen, S., Dong, X., Tan, G., Li, W., Lou, Z., Zhu, Z., Chai, Y.
2015; 159: 262–73
 - **A strategy for rapid analysis of xenobiotic metabolome of Sini decoction in vivo using ultra-performance liquid chromatography-electrospray ionization quadrupole-time-of-flight mass spectrometry combined with pattern recognition approach** *JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS*
Tan, G., Liu, M., Dong, X., Wu, S., Fan, L., Qiao, Y., Chai, Y., Wu, H.
2014; 96: 187–96
 - **Investigation of the therapeutic effectiveness of active components in Sini decoction by a comprehensive GC/LC-MS based metabolomics and network pharmacology approaches** *MOLECULAR BIOSYSTEMS*
Chen, S., Wu, S., Li, W., Chen, X., Dong, X., Tan, G., Zhang, H., Hong, Z., Zhu, Z., Chai, Y.
2014; 10 (12): 3310–21
 - **Myocardial lipidomics profiling delineate the toxicity of traditional Chinese medicine Aconiti Lateralis radix praeparata** *JOURNAL OF ETHNOPHARMACOLOGY*
Cai, Y., Gao, Y., Tan, G., Wu, S., Dong, X., Lou, Z., Zhu, Z., Chai, Y.
2013; 147 (2): 349–56
 - **Metabolic Profiling Provides a System Understanding of Hypothyroidism in Rats and Its Application** *PLOS ONE*
Wu, S., Tan, G., Dong, X., Zhu, Z., Li, W., Lou, Z., Chai, Y.
2013; 8 (2): e55599
 - **Serum metabolomics coupled with Ingenuity Pathway Analysis characterizes metabolic perturbations in response to hypothyroidism induced by propylthiouracil in rats** *JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS*
Wu, S., Gao, Y., Dong, X., Tan, G., Li, W., Lou, Z., Chai, Y.
2013; 72: 109–14
 - **Chiral Separation of New Triazole Antifungal Active Compounds by Capillary Electrophoresis and Molecular Modeling Study of Chiral Recognition Mechanisms** *CHINESE JOURNAL OF ANALYTICAL CHEMISTRY*
Li Wu-Hong, Zhang Xin-Rong, Wu Si, Tan Guang-Guo, Liu Chao-Mei, Zhu Zhen-Yu, Chai Yi-Feng
2012; 40 (7): 1031–36