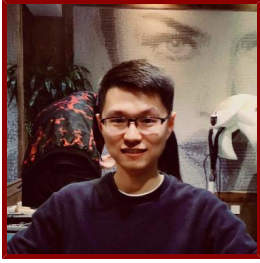


Stanford



Xiaotao Shen

Postdoctoral Research Fellow, Genetics

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- Travel Award, Journal Metabolites (2018)
- Student Travel Award, The International Metabolomics Society (2018)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Chinese Academy Of Sciences (2019)
- BS, Inner Mongolia University (2013)

STANFORD ADVISORS

- Michael Snyder, Postdoctoral Faculty Sponsor

LINKS

- Personal website: <http://shenxt.info/>

Research & Scholarship

LAB AFFILIATIONS

- Michael Snyder, Snyder Lab (4/1/2019)

Publications

PUBLICATIONS

- **Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women** *OBSTETRICAL & GYNECOLOGICAL SURVEY*
Liang, L., Rasmussen, M., Piening, B., Shen, X., Chen, S., Rost, H., Snyder, J. K., Tibshirani, R., Skotte, L., Lee, N. Y., Contrepois, K., Feenstra, B., Zackriah, et al
2020; 75 (11): 649–51
- **Metabolic Dynamics and Prediction of Gestational Age and Time to Delivery in Pregnant Women.** *Cell*
Liang, L., Rasmussen, M. H., Piening, B., Shen, X., Chen, S., Rost, H., Snyder, J. K., Tibshirani, R., Skotte, L., Lee, N. C., Contrepois, K., Feenstra, B., Zackriah, et al
2020; 181 (7): 1680
- **Metabolic reaction network-based recursive metabolite annotation for untargeted metabolomics** *NATURE COMMUNICATIONS*
Shen, X., Wang, R., Xiong, X., Yin, Y., Cai, Y., Ma, Z., Liu, N., Zhu, Z.
2019; 10: 1516
- **LipidIMMS Analyzer: integrating multi-dimensional information to support lipid identification in ion mobility-mass spectrometry based lipidomics** *BIOINFORMATICS*

Zhou, Z., Shen, X., Chen, X., Tu, J., Xiong, X., Zhu, Z.

2019; 35 (4): 698–700

● **Development of a Correlative Strategy To Discover Colorectal Tumor Tissue Derived Metabolite Biomarkers in Plasma Using Untargeted Metabolomics** *ANALYTICAL CHEMISTRY*

Wang, Z., Cui, B., Zhang, F., Yang, Y., Shen, X., Li, Z., Zhao, W., Zhang, Y., Deng, K., Rong, Z., Yang, K., Yu, X., Li, et al

2019; 91 (3): 2401–8

● **MetFlow: An Interactive and Integrated Workflow for Metabolomics Data Cleaning and Differential Metabolite Discovery** *Bioinformatics*

Shen, X., Zhu, Z.

2019

● **LipidCCS: Prediction of Collision Cross-Section Values for Lipids with High Precision To Support Ion Mobility-Mass Spectrometry-Based Lipidomics** *ANALYTICAL CHEMISTRY*

Zhou, Z., Tu, J., Xiong, X., Shen, X., Zhu, Z.

2017; 89 (17): 9559–66

● **Large-Scale Prediction of Collision Cross-Section Values for Metabolites in Ion Mobility-Mass Spectrometry** *ANALYTICAL CHEMISTRY*

Zhou, Z., Shen, X., Tu, J., Zhu, Z.

2016; 88 (22): 11084–91

● **Serum metabolomics for early diagnosis of esophageal squamous cell carcinoma by UHPLC-QTOF/MS** *METABOLOMICS*

Wang, J., Zhang, T., Shen, X., Liu, J., Zhao, D., Sun, Y., Wang, L., Liu, Y., Gong, X., Liu, Y., Zhu, Z., Xue, F.

2016; 12 (7)

● **Normalization and integration of large-scale metabolomics data using support vector regression** *METABOLOMICS*

Shen, X., Gong, X., Cai, Y., Guo, Y., Tu, J., Li, H., Zhang, T., Wang, J., Xue, F., Zhu, Z.

2016; 12 (5)

PRESENTATIONS

- Metabolic Reaction Network-based Recursive Metabolite Identification for Untargeted Metabolomics - Metabolic Reaction Network-based Recursive Metabolite Identification for Untargeted Metabolomics (oral) The 14th International Conference of the Metabolomics Society
- Normalization and Integration of Large-Scale Mass Spectrometry-based Metabolomics Data Using Support Vector Regression - The 34th China Mass Spectrometry Society Conference