

Xu Yang

PhD Student

Complex Carbohydrate Research Center, University of Georgia
315 Riverbends Rd
Athens, GA 30602
xu.yang1@uga.edu
(706) 586-1498

EDUCATION

- Current University of Georgia (*January 2021-Present*)
Doctor of Philosophy, Analytical Chemistry (pursuing)
- 2019 Xiamen University (*September 2016-June 2019*)
Master of Science in Chemical Biology
- 2014 Xiamen University (*September 2010-July 2014*)
Bachelor of Science in Chemical Biology

CURRENT APPOINTMENTS

Analytical Services & Training, Complex Carbohydrate Research Center, Graduate Research Assistant
August 2021-present

PREVIOUS APPOINTMENTS

Tianjin Rohto Herbal Medicine Co., Ltd, Tianjin, China, Quality Control Chemist
May 2015-August 2016

PUBLICATIONS

- 2023 Two collaborative and 1 first author manuscripts are under review.
- 2023 Antonio R Cerullo, Maxwell B McDermott, Lauren E Pepi, Zhi-Lun Liu, Diariou Barry, Sheng Zhang, **Xu Yang**, Xi Chen, Parastoo Azadi, Mande Holford, Adam B Braunschweig, Comparative mucomic analysis of three functionally distinct Cornu aspersum Secretions. *Nature Communications*, 14, 5361.

- 2022 Qianru Ma, Wentao Wang, **Xu Yang**, Yunhong Chen, Yan Liu, Hongxu Chen, and Yufen Zhao. Development and application of a sensitive phosphonium-hydrazide oligosaccharide labelling reagent in capillary electrophoresis-electrospray ionization-mass spectrometry. *Journal of Chromatography A*, 1680, 463409.
- 2019 Jianxi Ying, Peng Chen, Yile Wu, **Xu Yang**, Kaili Yan, Pengxiang Xu, and Yufen Zhao. Effect of high hydrostatic pressure on prebiotic peptide synthesis. *Chinese Chemical Letters*, 30 (2), 367-370.
- 2018 Hang Yuan, **Xu Yang**, Peng Chen, Yan Liu, Guo Tang, and Yufen Zhao. Appraisal of an oligomerization behavior of unprotected carbohydrates induced by phosphorus reagent. *Science China Chemistry*, 61, 243-250.
- 2017 **Xu Yang**, Jiepeng Gan, Hang Yuan, Peng Chen, Yan Liu, Yuyang Jiang, Hongxia Liu, and Yufen Zhao. MALDI MS-based analysis of oligosaccharides using 4-(diphenylphosphinyl) benzenamine as non-reductive amination derivatization reagent. *International Journal of Mass Spectrometry*, 417, 76-82.

Conferences

2023 Society of Glycobiology Annual Meeting, Waikoloa, HI, *Enhancing N-Glycopeptide Enrichment with Phosphorylcholine ZIC-HILIC Resins as a Complement to iSPE®-HILIC*, poster presentation.

RESEARCH INTERESTS

Glycopeptide enrichment strategy

Alginate polysaccharide characterization

VOLUNTEER SHIP

2023 American Society of Virology Annual Meeting (ASV2023), Athens, GA

2012 International Symposia on Advancing the Chemical Sciences: Challenges in Nanoscience (ISACS9), Xiamen, China

Skills

Mass spectrometry, glycoprotein analysis, glycomics, small molecule synthesis and analysis