


BIOGRAPHICAL SKETCH

NAME Yunong Wang	
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EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	MM/YY	FIELD OF STUDY
Texas A&M University, College Station, TX	Ph. D.	2022/01 - Present	Analytical Chemistry
Indiana University, Bloomington, IN	Ph. D.	2019/08 - 2022/01	Analytical Chemistry
Southern University of Science and Technology	B. S.	2015/09 - 2019/06	Chemistry

A. Personal Statement

I spent my undergraduate years and received bachelor's degree in chemistry from Southern University of Science and Technology, China, during which, I worked in Prof. Chongyang Liu's group, focusing on establishing super-resolution scanning ion conductance microscopy (SICM) and optimization on hardware and software algorithms for the system. After my graduation, I followed and joined in Prof. Lane A. Baker's group at Indiana University Bloomington in 2019. My current research interests include designing ultra-fast, extensive and modular SICM system on biological dynamic topography, non-invasive single cell mechanical property measurements and mapping, automated carbon nano-electrode fabrication system design, and high-throughput electrochemical detection on cancer cells.

B. Positions

Professional Employment

Spring 2022 – Present Research Assistant, Texas A&M University, Department of

Chemistry

Fall 2019 – Spring 2022

Associate Instructor/Research Assistant, Indiana University,
Department of Chemistry

Autumn 2017 – Spring 2019

Teaching Assistant, Southern University of Science and Technology,
China, Department of Chemistry

C. Publications

1. Zhu, C.; Huang, K.; Wang, Y.; Alanis, K.; Shi, W.; Baker, L. A. Imaging with Ion Channels. *Anal. Chem.* **2021**, 93, 13, 5355-5359.