

**Yao Liu, B.A.**  
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Education:

B.A. Chemistry *cum laude*, Washington University in St. Louis (2008 – 2012)  
M.D. (Tentative), TTUHSC School of Medicine - Lubbock (2014 – 2018)

Relevant Coursework (Undergraduate):

- 3 semesters of Biology (including Molecular Biology and Genetics)
- 2 semesters of Biology laboratory
- 2 semesters of General Chemistry laboratory
- 3 semesters of Organic Chemistry
- 3 semesters of Organic Chemistry laboratory
- 1 semester of Inorganic Chemistry
- 1 semester of Inorganic Biochemistry
- 1 semester of Physical Chemistry laboratory

Research Experience:

Research Technician I, 2010 – 2011 (Summers)  
Newberry/Li Lab, Tissue Procurement Facility  
Washington University in St. Louis School of Medicine, Department of Gastroenterology  
*The relationship between the human enteric biome and inflammatory bowel diseases*

Research Technician II & Lab Manager, 2012 – 2014 (Full-Time)  
Chou-Long Huang Lab  
UT Southwestern, Department of Nephrology  
*The role of the protein Klotho in cardiac hypertrophy and CKD*

### Research Skills:

- Tissue/blood/lymphocyte processing and storage
- Conventional PCR
- Quantitative real-time PCR
- DNA and mRNA extraction using Oragene and Trizol techniques
- mRNA quantification
- Mice husbandry (specifically CD-1, 129sv, and CS57/Bl6 mouse lines)
- Gene(s)-specific mice breeding (knockout/transgenic)
- Mice dissection and organ harvest
- Mouse metabolic cage studies

### Projects and Presentations:

Liu, Yao (2011). *Synthesis of p-nitrobenzoyl amino acid derivatives: Exploration of more efficient balsalazide analogs*. Presented at the Washington University in St. Louis Undergraduate Advanced Organic Laboratory Symposium.

Kasilingam, Aarthi; Liu, Yao; Ngo, Ryan; and Young, Christina (2015). *Effects of health insurance literacy on personal healthcare choices*. Presented at the TTUHSC School of Medicine MS1 Honors Project Poster Review.

### Awards and Honors:

Missouri Academic Scholarship, 2008

Dean's List, Washington University in St. Louis, 2008 - 2011

Cum laude in Chemistry, Washington University in St. Louis, 2011

Dean's Scholarship, TTUHSC School of Medicine, 2014

### Volunteer Experience:

Patient Escort, 2010 – 2011 (Mercy Hospital, Springfield, MO)

Auxiliary Volunteer, 2007 – 2010 (Missouri Rehabilitation Center, Mt. Vernon, MO)

Student Doctor Volunteer, 2015 – Current (The Free Clinic, Lubbock, TX)

Qualifications:

- Trained in HIPAA protocol and handling of infectious materials
- Extensive experience with Microsoft Office (Word, Excel)
- Intermediate knowledge of HTML & CSS, beginner knowledge of JQuery
- Fluent in English and Mandarin

Personal Details:

Date of Birth: January 13<sup>th</sup>, 1990 (Age 25)

Ethnicity: Chinese

Gender: Male

Work Status: US Citizen

Hobbies: Songwriting, music production, exercise, reading, cooking, and electronics

References:

Excellent references available upon request