

Yiwei Liang

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Education

Massachusetts Institute of Technology

Sep 2024 – Present

Undergraduate student double major in Chemistry & Biology and Artificial Intelligence & Decision Making (GPA: 4.9/5.0)

Selected Coursework: The Hallmarks of Cancer, Human Physiology, Deep Learning (Grad), Organic Chemistry II, Fundamentals of Chemical Biology, AI and Decision Making in Medicine.

Princeton International School of Mathematics and Science

Sep 2021 – Jun 2024

The High School Affiliated to Renmin University of China

Sep 2017 – Jun 2021

Early Development Program

Honors and Awards

- **Regeneron Science Talent Search (STS) Scholar** *Jan 2024*
- **US National Chemistry Olympiad Study Camp (Top 20 Nationwide)** *Jun 2023*
- **S.-T. Yau High School Science Award (USA Regional Silver Medal)** *Nov 2023*

Research Experience

- **Cancer Genomics Research** *Sep 2024 – Present*
Sellers Lab, Broad Institute of MIT and Harvard
Mentor: Matthew J. Emmett, M.D., Ph.D.
Research on *in vivo* cancer dependencies utilizing a Cas9/Anti-CRISPR switch in the tumor microenvironment. Poster to be presented at 2025 Broad Institute Cancer Program Retreat.
- **Cancer Immunotherapy Research** *May 2022 – Aug 2023*
Gabr Lab, Weill Cornell Medicine
Identified and validated a small-molecule TIGIT inhibitor for immune checkpoint therapy: performed virtual screening and confirmed binding/activity via cell-free and cell-based assays.

Other Experience

- **President, SYMPH Undergraduate Student Association** *Sep 2025 – Present*
The Stanford–Yale–MIT–Princeton–Harvard (SYMPH) is an Chinese student association with **500+** members. Organized Thanksgiving and Summer multi-day retreats for **300+** participants.
- **President, MIT Greater China Student Network** *Sep 2025 – Present*
Organized multiple events for **100+** MIT undergraduate Chinese students.
- **Scientific Committee Chair, Harvard-MIT Chemistry Olympiad (HMChO)** *Mar 2025 – Present*
Lead the problem-writing and grading teams; oversee quality control for the annual competition with **100+** high school global participants.
- **Emergency Radiology Volunteer, Massachusetts General Hospital** *Oct 2024 – Present*
Assist with patient transport and imaging workflows; support patients of all ages in diagnostic pathways.
- **Board Member, MIT Science Bowl** *May 2024 – Present*
Author for chemistry section; help organize annual national tournament (**30+** high school teams).
- **Volunteer, American Chemical Society** *2022 – 2024*
Taught free online USNCO prep to **200+** students; wrote annotated solutions; co-organized a webinar for **500+** attendees.