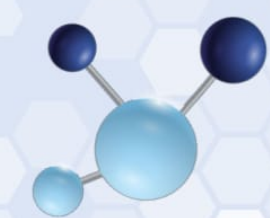




From Worms to the Ward: My Interest in Pursuing an MD/PhD

**Margaret Wan
Freshman @ Amherst College
Neuroscience**



Baby Steps



Middle School Me After Her 1st
Science Research
Presentation in 2019!



Working in the **Savage-Dunn
Lab @ Queens College
CUNY** during my sophomore
year at Bronx Science

- **Starting Research**
 - Finding out an **underlying cause**:
“Figure it out yourself!”
 - Joined Bronx Science’s 3 year-research elective program



- **Experiencing Failure and Troubleshooting**
 - An **unavoidable part of research and life!**
 - “**This is science!**”

Basic Science Research → So What?



Completed my **independent research project** and **published a research paper** after **2 years of trial and error**

Journal of Disease Models and Mechanisms,
doi: [10.1242/dmm.052357](https://doi.org/10.1242/dmm.052357)



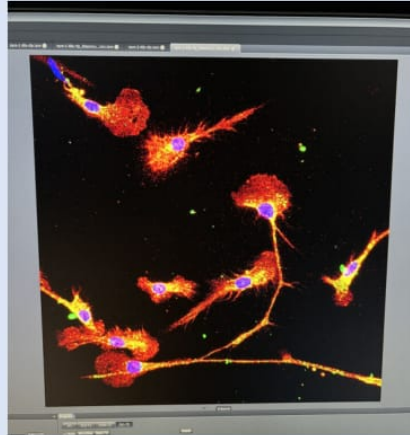
Advanced to represent NYC
at the **National JSHS**
Research Competition in
2025

- “How can this be applied to humans?”
- **NYPQ Volunteering** simultaneously exposed me to healthcare
- How do I **connect research to direct patient impact?**

Transitioning to Translational Research: Alzheimer's @ Mount Sinai

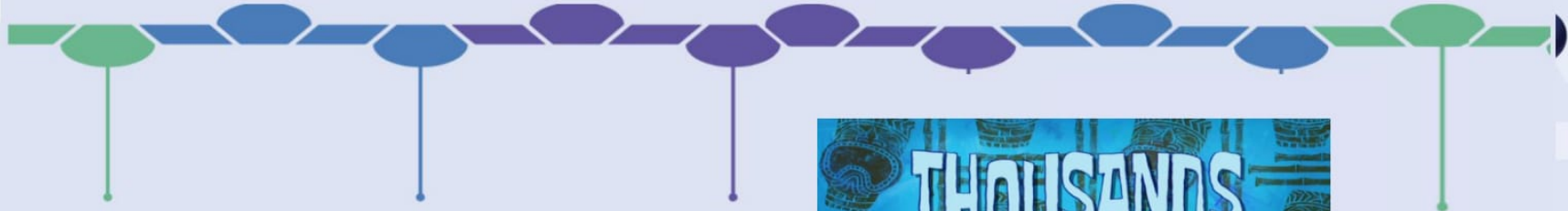
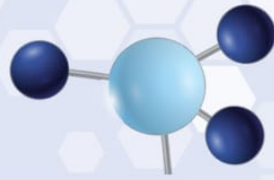


ChinaAIDSFund
offered me the
perfect opportunity
to explore
human-focused
research through
their **partnership**
with the **Jun Wang**
Lab @ Mount Sinai



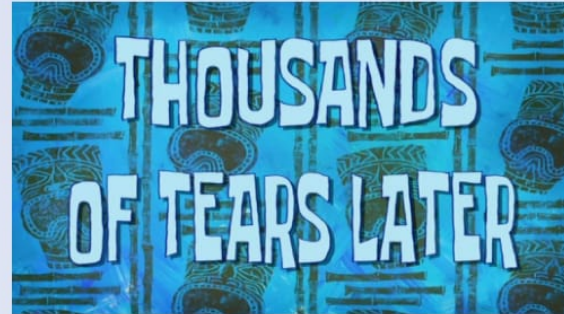
- Research on **mice**
- Connects directly back to **Alzheimer's in humans**
- Better understand **Alzheimer's** development and **formulate better treatments**
- Collaborate with **Veterans Affairs** to research **spinal cord injury** to better aid veteran recovery

Short & Long Term Goals



- Pursue bachelors in **Neuroscience**
- **Continue research** at Mount Sinai
- **Peer mentoring at lab** via **shadowing sessions**

- **Shadowing**
- **Hands-on clinical experience**
- **Community service**
- **Pursue more in-depth research**
- **Build leadership experience**



- **Apply for MD/PhD**
- **Ace all Board Exams**
- **Gain independence at 30-40 years of age... yippee!**

Special Thanks To

特別感謝

My Queens College Mentors

Cathy Savage-Dunn
Katerina Yamamoto



Me with my
mentors
and lab
mates @
Queens
College
CUNY

My Mount Sinai Mentors

Jun Wang
Carrie Lin

ChinaAIDSFund Team

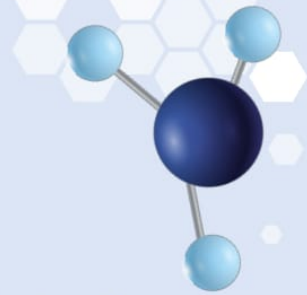
For giving us opportunity to help us realize our
passions and share our journeys with each
other today

My mentor
Carrie and
I @ Mount
Sinai after
a busy day
at the lab



I hope to become as inspirational, nurturing, and community-focused as everyone above!

Questions?



All questions are welcome!

Can be about my journey, my research, what I'm doing in previous slideshow images, etc

I may have Alzheimer's,
but at least I don't have
Alzheimer's.



Why yes, I am a bit stressed.



Why do you ask?

Also, please enjoy this
cool collage I made of my
work at the lab!! 🤔🤔

