

Yi Fan Chen

Curriculum Vitae

MD/PhD Candidate, Harrington-MSTP Scholar
 Case Western Reserve University School of Medicine
 Department of Genetics and Genome Sciences
 Biomedical Research Building 747A
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EDUCATION

2018-Present **Case Western Reserve University School of Medicine**
 MD, PhD, Genetics & Genome Sciences, Chemical Biology & Drug Discovery

2014-2018 **Cornell University**
 BS, Biological Sciences (Summa Cum Laude with Distinction in Research)

2010-2014 **Stuyvesant High School**

HONORS & AWARDS

Fellowships and Grants

2022 Invited Application, Predoctoral Fellowship in Drug Discovery, **PhRMA Foundation**

2022-2023 Functional Genomics Training Grant (T32GM135081), **National Institutes of Health**

2020-2022 Harrington-MSTP Scholar Award (Principal Investigator), **Harrington Discovery Institute**

2017 Amgen Scholar, **Amgen Foundation**

Other Awards

2022 3rd Place, **Three Minute Thesis**, Case Western Reserve University

2017 Best Entrepreneurship at **iGEM Jamboree** (out of 310 projects)

2016 Best Human Practices at **iGEM Jamboree** (out of 265 projects)

2015 Best Environment Project, Applied Design, Entrepreneurship at **iGEM Jamboree** (out of 280 projects)

2014 Finalist First Award, **New York City Science and Engineering Fair**

2013-2014 Semifinalist with High Honors, **USA Biology Olympiad** (National Top 50)

2011-2014 Invited Qualifier, **American Invitational Mathematics Examination** (National Top 2%)

PROFESSIONAL EXPERIENCE

2021 **Biotranscribe, LLC**, Bedford, MA
 Translation Consultant | Supervisor: Karma Carrier, PhD
 Description: Translated Chinese Pre-Clinical Data on Drug Candidates into English

2018-Present **Case Western Reserve University School of Medicine**, Department of Genetics and Genome Sciences
 MD/PhD Student | Advisor: Drew Adams, PhD
 Research: Chemical Profiling Reveal Novel Drug Targets and Mechanisms Underlying T Cell Activation

Summer 2017 **University of California, San Francisco**, Department of Pharmaceutical Chemistry
 Amgen Scholar | Advisor: Charles Craik, PhD
 Research: Chemical Interrogation of Latent Protein-Protein Interactions in Neurodegenerative Diseases

2015-2018 **iGEM, Cornell University**, Department of Biomedical Engineering
 Wet Lab Lead and Student Advisor | Advisor: Jan Lammerding, PhD
 Research: Developing Synthetic Biology Tools to Address Challenges in Agriculture

2014-2018 **Weill Institute for Cell and Molecular Biology**

Undergraduate Researcher | Advisor: Chris Fromme, PhD
 Research: Structural Basis of Retrograde Golgi Trafficking

2013-2014

Fordham University, Department of Biological Sciences
 High School Researcher | Advisor: Patricio Meneses, PhD
 Research: Signaling Mechanisms Implicated in HPV Infection

PUBLICATIONS

Original Reports

1. Ravalin M, Theofilas P, Basu K, Opoku-Nsiah KA, Assimon VA, Medina-Cleghorn D, **Chen Y**, Bohn MF, Arkin M, Grinberg LT, Craik CS, Gestwicki JE. "Specificity for latent C-termini links the E3 ubiquitin ligase CHIP to caspase signaling." *Nature Chemical Biology* **15**, 786-794 (2019).

Other Works

1. **Chen, Yi Fan**. "Inheritance." *Reflections: An Anthology of First Experiences in Human Dissection*, edited by Susanne Wish-Baratz, Kathy Cole-Kelly, Katia DaSilva, Rachel Gardner, Case Western Reserve University, 2019, pp. 14-15.

PRESENTATIONS

Oral Presentations

1. **Chen Y**, Friedrich RM, Srinivasan R, Ghazala M, Yan DF, Adams DJ. "XPO1 is a Novel Drug Target for Autoimmune Diseases". Lepow Medical Student Research Day, Case Western Reserve University; Cleveland, OH (2022)
2. **Chen Y**, Friedrich RM, Srinivasan R, Ghazala M, Yan DF, Adams DJ. "XPO1 is a Novel Drug Target for Suppressing T Cell Activation". Biomedical Graduate Student Symposium, Case Western Reserve University; Cleveland, OH (2021)
3. **Chen Y**, Ravalin M, Gestwicki J, Craik CS. "Functional Expansion of the TPR Interactome with Photo-Chemoproteomics". University of California, San Francisco Summer Research Training Program; San Francisco, CA (2017).
4. **Chen Y**, Ganoo S, Koide SK. "FishPHARM – Peptide Delivery System for Treating Bacterial Coldwater Disease". iGEM Jamboree; Boston, MA (2015).

Poster Presentations

1. **Chen Y**, Fromme JC. "Mutational and Proteomics Approaches to Investigate the Regulatory Mechanisms of Golgi Trafficking". Biological Sciences Honors Program, Cornell University; Ithaca, NY (2018).
2. **Chen Y**, Aksoy P, Meneses PI. "The Role of MAPK/ERK Signaling Pathway in HPV Infections". New York City Science and Engineering Fair; New York, NY (2014).

ACTIVITIES AND LEADERSHIP

2019	Facilitator , Histopathology, Case Western Reserve University School of Medicine
2019-2020	Co-Leader , Pathology Interest Group, Case Western Reserve University School of Medicine
2018-2019	Mentor , Horizons Mentoring Program, Case Western Reserve University
2018-2019	Mentor , OhioGuidestone
2016-2018	Treasurer , Ho Nun De Kah Honor Society, Cornell University
2015-2018	Wet Lab Lead and Student Advisor , Cornell iGEM, Cornell University
2015-2017	Mentor , Office of Academic Diversity Initiatives, Cornell University
2015-2016	Mentor , Youth Outreach Undergraduates Reshaping Success, Cornell University
2014-2018	President , Cornell Aikido Club, United States Aikido Federation