

ABOUT

School Email	brian.chu@pennmedicine.upenn.edu
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Hometown	San Francisco, CA

EDUCATION

2022	M.D.	Perelman School of Medicine at the University of Pennsylvania Walter and Anne Gamble Scholar
2018	B.S.	Stanford University, Chemistry, with Distinction Minor in Computer Science

RESEARCH

Published

1. **Chu B**, Liu M, Leas EC, Althouse BM, Ayers JW. Effect Size Reporting Among Prominent Health Journals: A Case Study of Odds Ratios. *BMJ Evid Based Med*. Nov 2020. Accepted.
2. **Chu B**, Fathy R, Nobles A, Lipoff JB. Patient crowdsourcing of dermatologic consults on a Reddit social media community. *J Am Acad Dermatol*. Aug 2020. Accepted.
3. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Instagram influencer definitions and the need for dermatologist engagement on social media. *J Am Acad Dermatol*. Jul 2020. Accepted.
4. Inena G, **Chu B**, Falay D, Limengo B, Matondo I, Bokanga A, Kovarik C, Williams VL. Patterns of Skin Cancer and Treatment Outcomes for Patients with Albinism at Kisangani Clinic, Democratic Republic of Congo. *Int. J. Dermatol*. Jun 2020. In press.
5. Barbieri JS, **Chu B**, Mostaghimi A. Sociodemographic differences associated with utilization of weekend versus weekday primary care visits. *J Gen Intern Med*. Jun 2020. In press.
6. **Chu B**, Markeson C, Barbieri JS. Association of air pollution and chronic inflammatory skin diseases: challenges of Google Trends data and importance of local data. *J Am Acad Dermatol*. May 2020. In press.
7. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol*. May 2020. In press.
8. Mohiuddin J, **Chu B**, Facciabene A, Poirier K, Wang X, Doucette A, Zheng C, Xu W, Anstadt EJ, Amaravadi RK, Karakousis GC, Mitchell TC, Huang AC, Shabason JE, Lin A, Swisher-McClure S, Maity A, Schuchter LM, Lukens JN. Association of antibiotic exposure with survival and toxicity in patients with melanoma receiving immunotherapy. *J Natl Cancer Inst*. Apr 2020. In press.
9. Fathy R*, **Chu B***, Singh P, James WD, Barbieri JS. Variation in topical antibiotics recommendations in wound care instructions by non-dermatologists. *J Gen Intern Med*. Feb 2020. *co-first author
10. Fathy R, **Chu B**, James WD, Barbieri JS. The frequency of topical antibiotic use following biopsy and excision procedures amongst dermatologists and non-dermatologists: 2006-2015. *J Am Acad Dermatol*. Jan 2020.

11. **Chu B**, Fleischer A, Barbieri JS. The frequency of off-label prescribing in the treatment of dermatologic diseases during 2006-2015. *J Am Acad Dermatol*. Jul 2019.
12. Kamariza M, Shieh P, Ealand CS, Peters JS, **Chu B**, Rodriguez-Rivera FP, Babu Sait MR, Treuren WV, Martinson N, Kalscheuer R, Kana BD, Bertozzi CR. Rapid detection of *Mycobacterium tuberculosis* in sputum with a solvatochromic trehalose probe. *Sci Transl Med*. Feb 2018.

Submitted

- 2020 [In review] Changes in social support expressed in a COVID-19 online community.
- 2020 [In revision] Representation of skin color in educational materials of the AAD.
- 2020 [Submitted] Sociodemographic features of a cohort of people living with albinism in Botswana

LECTURES, PRESENTATIONS, and TEACHING EXPERIENCES

- 2019-Pres. [Presentation] Anki 101: Invited to give talk on Anki during orientation for first-year medical students. Also wrote and taught workshops on Anki.
- 2020 [Oral Abstract Presenter] **Chu B**, Fathy R, Nobles A, Lipoff JB. Analyzing Crowdsourced Dermatologic Consults on Reddit. *Assoc for Healthcare Social Media 2020*. Awarded "Best Abstract Award."
- 2020 [Poster Abstract] Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? An Analysis of Instagram Influencers Using Dermatology-Related Hashtags. *Assoc for Healthcare Social Media 2020*. Awarded "Poster of Distinction."
- 2020 [Oral Abstract Presenter] **Chu B**, Mohiuddin J, ..., Lukens JN. Association of antibiotic exposure with overall survival and colitis in patients with stage III and IV melanoma receiving immune checkpoint inhibitors. *ASCO-SITC Immunology Symposium. J Clin Oncol* 38, 2020 (suppl 5; abstr 56).
- 2020 [Poster Abstract] Fathy R, **Chu B**, James WD, Barbieri JS. The frequency of topical antibiotic use following biopsy and excision procedures amongst dermatologists and non-dermatologists: 2006-2015. *Am Acad of Dermatology (cancelled)*.
- 2019 [Presentation] PennTalks Speech Competition: medical students, faculty, and administrators, "Do No Harm: How to prevent AI from perpetuating healthcare disparities."
- 2016 Teaching Assistant: Honors General Chemistry. Stanford University.

OTHER MEDIA

- 2020 Research highlighted in Healio: "Patients increasingly turn to social media for dermatologic diagnoses, treatment advice."
- 2020 Research highlighted in The ASCO Post: "Prior Antibiotic Use Linked to Poorer Survival in Patients with Advanced Melanoma Receiving Immune Checkpoint Inhibitors."
- 2020 Research highlighted in ASCO Daily News: "Antibiotic Exposure Worsens Survival and Colitis in Patients with Stage III and IV Melanoma Receiving ICIs."

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| 2020 | Interviewed for article for <i>The Daily Pennsylvanian</i> : “Penn unlikely to follow NYU in covering medical school tuition.” |
| 2020 | Invited to film video interviews with <i>The ASCO Post</i> and <i>JNCCN 360</i> to discuss research presented at <i>ASCO-SITC Immuno-Oncology Symposium</i> . |
| 2017 | Wrote a free MCAT self-study guide. |

COMMUNITY SERVICE

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| 2018-19 | Dance for Health Coordinator: community health and dance organization in West Philadelphia. |
| 2018-Pres. | Various organizations: Penn Med Votes, Homeless Health Initiative, Philadelphia Human Rights Clinic. |
| 2016-18 | Volunteer EMT: Stanford University EMS. |
| 2015-18 | Counselor at Pacific Free Clinic: Stanford-run free clinic, San Jose, CA. |
| 2012-13 | Representative on San Francisco Youth Commission. |

EXTRACURRICULARS

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| 2020-Pres. | Student representative: clinical curriculum |
| 2018-Pres. | Member: West Philly Swingers dance troupe |
| 2018-19 | Student representative: preclinical curriculum |
| 2018-19 | Co-chair: Dermatology Interest Group |
| 2018-19 | VP of Innovation: PennHealthX |
| 2018-19 | Co-chair: Penn Med Music On-Call |
| 2015-18 | Senior Editor: <i>Intersect: The Stanford Journal of Science, Technology, & Society</i> |

HONORS and AWARDS

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| 2020 | Best Abstract Award: Association for Healthcare Social Media 2020 Meeting (1 of 2 recipients) |
| 2020 | Chair’s Radiation Oncology Summer Research Grant |
| 2019 | Chair’s Radiation Oncology Summer Research Grant |
| 2019 | PennTalks Speech Competition: Winner |
| 2018 | Twenty-First Century Scholars Award: full-ride scholarship, Perelman School of Medicine, University of Pennsylvania |
| 2018 | Phi Beta Kappa, Stanford University |
| 2015 | President’s Award for Academic Excellence in the Freshman Year (top 5% academic performance), Stanford University |
| 2015 | Stanford Bio-X Research Fellowship |

MISCELLANEOUS

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| 2019-Pres. | Perelman School of Medicine Interviewer |
| 2019-Pres. | Stanford University Interviewer |
| 2019 | Penn Med Egg Drop Champion |

2018	Completed <i>Music and Medicine</i> class in conjunction with the Curtis Institute of Music.
2017	Summer Associate at Parthenon-EY, a strategy consulting firm (now EY-Parthenon). Advised a top 10 largest pharmaceutical company.
2015-Pres. 2010-14	Member of Alpha Chi Sigma, professional chemistry fraternity Lowell High School, San Francisco, CA, valedictorian.
Memberships	American Medical Association, American College of Physicians, American Society of Clinical Oncology, Pennsylvania Medical Society, Society for Pediatric Dermatology.
Reviewer	<i>Journal of General Internal Medicine</i>
Hobbies	Social dancing, piano, computer programming.
Tools I use	Python (pandas, Jupyter), R (tidyverse, survival), APIs (Reddit, Instagram, PubMed), Unix, HTML/CSS/Bootstrap, REDCap, Anki.