

ABOUT

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| School Email | brian.chu@pennmedicine.upenn.edu |
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| LinkedIn | linkedin.com/brianchusf |
| Website | chu-brian.github.io |
| Hometown | San Francisco, CA |

EDUCATION

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| 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. 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.
2. 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.
3. **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.
4. Ranpariya V, **Chu B**, Fathy R, Lipoff J. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol.* May 2020. In press.
5. 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.
6. 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
7. 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.
8. **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.
9. 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 revision] Crowdsourcing of dermatologic consults on an online community.
 2020 Evaluating statistical reporting in prominent health journals.
 2020 Representation of skin color in online educational materials.

In progress

- 2020 Adverse events in patients with skin cancer.
 2020 Sociodemographic characteristics of patients with albinism.
 2020 Medical discussion on social media, with Penn Center for Digital Health and other institutions.
 2020 Systematic review of outcome measurements for psoriasis.
 2019 Cost analysis of excisions and repairs of melanomas.
 2019 Routine laboratory tests for the evaluation of patients with vasculitis.

In planning

- 2019 Pilot study of penicillin allergy test in the inpatient setting.
 2019 Genetics of blistering diseases.

LECTURES, PRESENTATIONS, and TEACHING EXPERIENCES

- 2020 [Oral Abstract Presenter] **Chu B**, Fathy R, Nobles A, Lipoff JL. 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 JL. 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-Present Wrote and taught workshops on using Anki in medical school. Invited to give talk on Anki during orientation for incoming medical students.
 2019 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 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 for clinical curriculum |
| 2018-Pres. | Member of West Philly Swingers dance troupe |
| 2018-19 | Student representative for preclinical curriculum |
| 2018-19 | Co-chair of the Dermatology Interest Group |
| 2018-19 | VP of Innovation for PennHealthX |
| 2018-19 | Co-chair of Penn Med Music On-Call |

HONORS and AWARDS

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| 2020 | Best Abstract Award: Association for Healthcare Social Media 2020 Meeting (one of two 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 |
| 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 Music and Medicine class in conjunction with the Curtis Institute of Music. |

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| 2017 | Summer Associate at Parthenon-EY, a strategy consulting firm. Advised a top 10 largest pharmaceutical company. |
| 2015-Pres. | Member of Alpha Chi Sigma, professional chemistry fraternity |
| 2010-14 | Lowell High School, San Francisco, CA, valedictorian. |
| Memberships | American Medical Association, American Society of Clinical Oncology, Pennsylvania Medical Society. |
| Reviewer | <i>Journal of General Internal Medicine</i> |
| Hobbies | Social dancing, piano, podcasts, computer programming. |
| Tools I use | Python (pandas, Jupyter), R (dplyr), APIs (Reddit, Instagram, PubMed), Unix, HTML/CSS/Bootstrap, REDCap, Anki. |