

ABOUT

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| School Email | brian.chu@pennmedicine.upenn.edu |
| Personal Email | brianchu2010@gmail.com |
| LinkedIn | linkedin.com/brianchusf |
| Twitter | @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. **Chu B**, Maranga A, Mosojane KI, Ralethaka M, Ngubula JC, Shifa JZ, Jereni BH, Nkomazana O, Williams VL. Sociodemographic features of a cohort of people living with albinism in Botswana. *JAAD International*. Dec 2020. Accepted.
2. **Chu B***, Fathy R*, Onyekaba G, Lipoff JB. Distribution of skin type diversity in photographs in American Academy of Dermatology online educational modules. *Cutis*. Nov 2020. Accepted. *Co-first authors.
3. **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.
4. **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. In press.
5. 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.
6. 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.
7. 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.
8. **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.
9. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol*. May 2020.
10. 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.

11. 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 authors.
12. 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.
13. **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.
14. 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.

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."

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| 2020 | Research highlighted in ASCO Daily News: “Antibiotic Exposure Worsens Survival and Colitis in Patients with Stage III and IV Melanoma Receiving ICIs.” |
| 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 |

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| 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. | Member of Alpha Chi Sigma, professional chemistry fraternity |
| 2010-14 | 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. |