

ABOUT

School Email	brian.chu@penmedicine.upenn.edu
Personal Email	brianchu2010@gmail.com
LinkedIn	linkedin.com/brianchusf
Twitter	@BrianChuSF
Website	chu-brian.github.io
Hometown	San Francisco, CA

EDUCATION

2022	M.D.	Perelman School of Medicine at the University of Pennsylvania Walter and Anne Gamble Scholar USMLE Step 1: 260 USMLE Step 2: 272
2018	B.S.	Stanford University, Chemistry, with Distinction, GPA: 4.01 Minor in Computer Science MCAT: 525

WORK EXPERIENCE

2023-Pres.	Intern: 25madison 25m Health is a division of 25madison that builds innovative healthcare solutions in partnership with a large healthcare system.
2021-2022	Medical Fellow: Doximity Gap year working in product management and business strategy in physician digital communications. Conceptualized and produced Doximity's inaugural Hospital Satisfaction Report , resulting in increased job searches referred job interest. Launched the Couples Match Tool , which helps couples create shared rank lists. Led analyses of the 2021 Physician Compensation Report . Led product development of Explore Cities (in beta). Advised Doximity Dialer (telemedicine) product teams on physician workflows.
2017	Summer Associate: EY-Parthenon Advised a top-5 largest pharmaceutical company to bring a personalized RNA-based vaccine to market by developing supply-chain and go-to-market strategies. Met with patient-facing and manufacturing stakeholders to identify key logistical pain points. Synthesized secondary research from analyst reports, medical guidelines, and academic literature to present findings to clients.

RESEARCH

1. Patel VM, **Chu B**, Hamilton KW, Bellamy C, Harker C, Bryer JS, Shields B, Hirsh RL, Fadugba OO, Micheletti RG. Penicillin allergy evaluation in hospitalized patients with hematologic malignancy. *Antimicrobial Stewardship & Healthcare Epidemiology*. [Accepted]
2. Anstadt EJ, **Chu B**, Yegya-Raman N, Han X, Doucette A, Poirier K, Mohiuddin JJ, Maity A, Facciabene A, Amaravadi RK, Karakousis GC, Cohen JV, Mitchell TC, Schuchter LM, Lukens JN. Moderate Colitis Not Requiring IV Steroids Is Associated with Improved Survival in Stage IV Melanoma after Anti-CTLA4 Monotherapy, But Not Combination Therapy. *Oncologist*. Jun 2022.

3. **Chu B**, O'Connor DM, Wan M, Barnett I, Shou H, Judson MA, Rosenbach M. Quality of life and physical activity in 629 individuals with sarcoidosis: Prospective, cross-sectional study using smartphones (Sarcoidosis App). *JMIR mHealth and uHealth*. May 2022.
4. Ogidi P, Ahmed F, Cahn BA, **Chu B**, Lipoff JB. Medical schools as gatekeepers: a survey and analysis of factors predicting dermatology residency placement. *J Am Acad Dermatol*. Sep 2021. [+ reply to response: Ahmed F, Ogidi P, **Chu B**, Lipoff JB. 2022]
5. Ayers JW, **Chu B**, Zhu Z, Leas EC, Smith DM, Dredze M, Broniatowski DA. Spread of Misinformation About Face Masks and COVID-19 by Automated Software on Facebook. *JAMA Intern Med*. Jun 2021.
6. **Chu B***, Fathy R*, Onyekaba G, Lipoff JB. Distribution of skin type diversity in photographs in American Academy of Dermatology online educational modules. *Cutis*. Mar 2021. *Co-first authors.
7. **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*. Jan 2021.
8. **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*. Dec 2020.
9. **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.
10. 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.
11. Barbieri JS, **Chu B**, Mostaghimi A. Sociodemographic differences associated with utilization of weekend versus weekday primary care visits. *J Gen Intern Med*. Jun 2020.
12. **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.
13. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol*. May 2020. [+ reply to response: Ranpariya V, **Chu B**, Fathy R, Lipoff JB. 2020]
14. Mohiuddin JJ, **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.
15. 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.
16. Fathy R, **Chu B**, James WD, Barbieri JS. The frequency of topical antibiotic use following biopsy and excision procedures among dermatologists and non-dermatologists: 2006-2015. *J Am Acad Dermatol*. Jan 2020.
17. **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.
18. 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

- [In review] A multicenter review of patients presenting with an initial episode of leukocytoclastic vasculitis: epidemiology, comorbidities, and final diagnoses.

- [In review] The COVID-19 spill-over effect: Worldwide online information-seeking for influenza vaccination information during the pandemic

CONFERENCES

- 2022 [Poster Abstract] **Chu B**, O'Connor DM, Wan MT, Rosenbach MA. The Sarcoidosis App: a mobile app study of impact of disease on quality of life and physical activity. *Am Acad of Dermatology*.
- 2021 [Poster Abstract] **Chu B**, Patel V, Bryer J, Hamilton K, Micheletti RG, Fadugba O. Implementation of a Penicillin Skin Testing Service in Inpatients with Hematologic Malignancies. *Am College of Allergy, Asthma, and Immunology*.
- 2021 [Poster Abstract] **Chu B**, Walls AC, Micheletti RG, Mostaghimi A. Extensive unguided laboratory testing is of limited value in initial episodes of small vessel vasculitis of the skin. *Am Acad of Dermatology*.
- 2021 [Poster Abstract] Faletsky A, Walls AC, **Chu B**, ..., Mostaghimi A. Epidemiology of leukocytoclastic vasculitis: a multicenter retrospective review of 440 patients. *Society for Investigative Dermatology*.
- 2020 [Oral Abstract] **Chu B**, Fathy R, Nobles A, Lipoff JB. Analyzing Crowdsourced Dermatologic Consults on Reddit. *Assoc for Healthcare Social Media*. Awarded "Best Abstract Award."
- 2020 [Oral Abstract] **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).

LECTURES, MEDIA, and TEACHING EXPERIENCES

- 2021 Doximity: "[2021 Physician Compensation Report: Fifth Annual Study](#)", analysis of >40k survey responses of medical compensation and work trends
- 2021 Doximity: "[Insights and Perspectives on Physicians' Hospital Satisfaction](#)", analysis of >11k physician reviews of workplace experiences
- 2021 Doximity: "[Matching As a Couple Is Complicated. Here's How To Make It Simple](#)", announcement of the new Couples Match Tool to help couples create their shared rank list
- 2019-Pres. [Presentation] Anki 101: Invited to give talk on Anki during orientation for first-year students in 2019, 2020, and 2021. Also wrote/taught workshops on Anki.
- 2019 [Presentation] PennTalks Speech Competition: medical students, faculty, and administrators, "Do No Harm: How to prevent AI from perpetuating healthcare disparities"
- 2017 Wrote a free MCAT self-study guide, still widely shared
- 2016 Teaching Assistant: General Chemistry. Stanford University

HONORS and AWARDS

- 2022 2nd Place Team, MD+ Datathon: a national data competition to analyze the largest inpatient sample dataset in the US, judged by experts from Flatiron Health, Scale AI, and RStudio. 2nd out of 35 teams
- 2021 Edward Raffensperger Research Prize: medical school prize for meritorious research in gastroenterology (for Mohiuddin et al. *JNCI* 2020)
- 2020 Best Abstract Award: Association for Healthcare Social Media 2020 Meeting

	(1 of 2 recipients)
2019	Chair's Radiation Oncology Summer Research Grant (renewed in 2020)
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	Bio-X Research Fellowship, Stanford University

COMMUNITY SERVICE

2018-19	Dance for Health Coordinator: community health and dance organization in West Philadelphia
2018-20	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

2018-Pres.	Member: West Philly Swingers dance troupe
2018-21	Student representative for curriculum
2018-19	Co-chair: Dermatology Interest Group
2018-19	VP of Innovation: PennHealthX (student group with interests in healthcare systems and technology in medicine)
2018-19	Co-chair: Penn Med Music On-Call (music performances for patients and staff)

MISCELLANEOUS

2019-Pres.	Perelman School of Medicine / Stanford University Interviewer
2019	Penn Med Egg Drop Champion
2018	Completed <i>Music and Medicine</i> class with the Curtis Institute of Music
2010-14	Lowell High School, San Francisco, CA, valedictorian
Reviewer	<i>Journal of General Internal Medicine, JMIR Dermatology</i>
Hobbies	Swing dancing, waltz, piano, running, birdwatching
Tools I use	R (tidyverse, Shiny), SQL, Looker, Snowflake, Python (pandas, Jupyter), REST APIs, Unix, HTML/CSS/Bootstrap, REDCap, Anki