

ABOUT

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

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, GPA: 4.01 Minor in Computer Science

WORK EXPERIENCE

2021-Pres.	Medical Fellow: Doximity 1-year leave of absence, working on product management and business strategy in physician digital communications. Conceptualized and produced Doximity's inaugural Hospital Satisfaction Report , resulting in 7x increase in job searches and 2x increase in referred job interest. Contributed to development and launch of Couples Match Tool , which helps couples create their shared rank list.
2017	Summer Associate: EY-Parthenon Advised a top-5 largest pharmaceutical company to bring a personalized vaccine to market by developing supply-chain and go-to-market strategies. Conducted calls with patient-facing and manufacturing stakeholders to identify key challenges. Summarized secondary research from analyst reports, medical guidelines, and academic literature. Presented findings to clients.

RESEARCH

1. Ahmed F, Ogidi P, **Chu B**, Lipoff JB. The linked roles of research and mentorship in dermatology matching success. *J Am Acad Dermatol*. Dec 2021. Accepted.
2. 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. In press.
3. Ayers JW, **Chu B**, Zhu Z, Leas EC, Smith DM, Dredze M, Broniatowski DA. Automated software targeting original research spreads COVID-19 misinformation on Facebook. *JAMA Intern Med*. June 2021.
4. Andy A, **Chu B**, Fathy R, Bennett B, Stokes D, Guntuku SC. Understanding social support expressed in a COVID-19 online forum. *LOUHI 2021: Assoc Comput Linguist*. April 2021.
5. **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.
6. **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.

7. **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.
8. **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.
9. 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.
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. In press.
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.
14. 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.
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 amongst 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

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| 2022 | [Submitted] The Sarcoidosis App: A national prospective study of quality of life and physical activity in 629 individuals with sarcoidosis using smartphones |
| 2021 | [In review] A multicenter review of patients presenting with an initial episode of leukocytoclastic vasculitis: epidemiology, comorbidities, and final diagnoses. |
| 2021 | [In review] Information-seeking for influenza vaccination increased globally during the COVID-19 pandemic. |
| 2021 | [Submitted] Immune-related colitis and survival in patients with stage IV melanoma receiving anti-cytotoxic T-lymphocyte-associated protein 4 therapy: the impact of single versus dual checkpoint blockade. |

LECTURES, PRESENTATIONS, and TEACHING EXPERIENCES

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| 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. <i>Am Acad of Dermatology</i> . |
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- 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] Ogidi P, Ahmed F, Cahn B, **Chu B**, Lipoff JB. Medical schools as gatekeepers: a survey and analysis of factors predicting dermatology residency placement. *BWH Dermatology Medical Student Virtual Symposium*.
- 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 [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*. Awarded "Poster of Distinction."
- 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).
- 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)*.

OTHER LECTURES, MEDIA, and TEACHING EXPERIENCES

- 2021 Doximity: "[2021 Physician Compensation Report: Fifth Annual Study](#)", analysis of compensation and work trends using >40k survey responses.
- 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
- 2021 Research highlighted in EurekAlert, Forbes, UPI, Becker's Hospital Review (for Ayers et al. *JAMA Intern Med* 2021)
- 2020 Research highlighted in Healio: "Patients increasingly turn to social media for dermatologic diagnoses, treatment advice" (for Chu et al. *JAAD* 2020)
- 2020 Research highlighted in The ASCO Post, ASCO Daily News (for Mohiuddin et al. *JNCI* 2020)
- 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.
- 2016 Teaching Assistant: Honors General Chemistry. Stanford University.

COMMUNITY SERVICE

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

2020-21	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

2021	Edward Raffensperger Research Prize: medical school prize for meritorious research in gastroenterology (for Mohiuddin et al. <i>JNCI</i> 2020)
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	Bio-X Research Fellowship, Stanford University

MISCELLANEOUS

2019-Pres.	Perelman School of Medicine Interviewer
2019-Pres.	Stanford University Interviewer
2021-Pres.	Independent contractor for McKinsey & Company
2019	Penn Med Egg Drop Champion
2018	Completed <i>Music and Medicine</i> class with the Curtis Institute of Music.
2015-Pres.	Member of Alpha Chi Sigma, professional chemistry fraternity.
2010-14	Lowell High School, San Francisco, CA, valedictorian.
Scores	MCAT: 525; USMLE Step 1: 260
Reviewer	<i>Journal of General Internal Medicine</i>
Hobbies	Swing dancing, waltz, piano, running.

Tools I use Python (pandas, Jupyter), R (tidyverse, Shiny), SQL, Looker, REST APIs
(Reddit, Instagram, Twitter, TikTok, PubMed), Unix, HTML/CSS/Bootstrap,
REDCap, Anki.