

ABOUT

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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, GPA: 4.01 Minor in Computer Science

WORK EXPERIENCE

2021-Pres.	Medical Fellow: Doximity 1-year leave of absence from medical school. Will work on product development and business strategy by providing expertise on medical terms, physician workflow, and current needs in physician digital communications.
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. 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.
2. 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.
3. **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.
4. **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.
5. **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.
6. **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.
7. 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.

8. 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.
9. 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.
10. **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.
11. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol*. May 2020.
12. 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.
13. 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.
14. 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.
15. **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.
16. 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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| 2021 | [In review] A multicenter review of patients presenting with an initial episode of leukocytoclastic vasculitis: epidemiology, comorbidities, and final diagnoses. |
| 2021 | [In review] Medical schools as gatekeepers: a survey and analysis of factors predicting dermatology residency placement. |
| 2021 | [Submitted] Information-seeking for influenza vaccination increased globally during the COVID-19 pandemic. |
| 2021 | [Submitted] Patterns of promotional content in dermatology TikTok posts. |
| 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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| 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. <i>BWH Dermatology Medical Student Virtual Symposium</i> . |
| 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. <i>Am Acad of Dermatology</i> . |
| 2021 | [Poster Abstract] Faletsky A, Walls AC, Chu B , ..., Mostaghimi A. Epidemiology of leukocytoclastic vasculitis: a multicenter retrospective review of 440 patients. <i>Society for Investigative Dermatology</i> . |

- 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*. 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 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 Immuno-Oncology 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

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

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 Raffenberger 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
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, survival, shiny), APIs (Reddit, Instagram, Twitter, TikTok, PubMed), Unix, HTML/CSS/Bootstrap, REDCap, Anki.