

ABOUT

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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. Co-authored and led several analyses of the 2021 Physician Compensation Report .
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. Presented findings to the client.

RESEARCH

1. Ranpariya VK, Fathy R, **Chu B**, Wang S, Lipoff JB. Patterns of promotional content by dermatology TikTok influencers. *JMIR Dermatol*. Feb 2022. Accepted.
2. Ahmed F, Ogidi P, **Chu B**, Lipoff JB. The linked roles of research and mentorship in dermatology matching success. *J Am Acad Dermatol*. Jan 2022.
3. 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.
4. 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.
5. 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.
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. 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.
11. 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.
12. Barbieri JS, **Chu B**, Mostaghimi A. Sociodemographic differences associated with utilization of weekend versus weekday primary care visits. *J Gen Intern Med*. Jun 2020.
13. **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.
14. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol*. May 2020.
15. 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.
16. 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.
17. 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.
18. **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.
19. 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

- 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] 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 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)*.

OTHER 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
- 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

2022	2 nd 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. 2 nd out of 35 teams
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)
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

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	R (tidyverse, Shiny), SQL, Looker, Python (pandas, Jupyter), REST APIs, Unix, HTML/CSS/Bootstrap, REDCap, Anki