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
		Minor in Computer Science

RESEARCH

Published
1. **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. Accepted.
2. 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. Accepted.
3. 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. In press.
4. 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.
5. **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. In press.
6. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol.* May 2020. In press.
7. 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.
8. 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 author
9. 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.
10. **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.

11. 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	Evaluating statistical reporting in prominent health journals.
2020	Representation of skin color in online educational materials.

In progress

2020	Adverse events in patients with skin cancer treated with immunotherapy.
2020	Sociodemographic characteristics of patients with albinism.
2020	Systematic review of outcome measurements for psoriasis.
2019	Routine laboratory tests for the evaluation of patients with vasculitis.

In planning

2019	Pilot study of penicillin allergy test in the inpatient setting.
2019	Genetics of blistering diseases.
2019	Cost analysis of excisions and repairs of melanomas.

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 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

2020	Research highlight 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."

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 *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-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: *Intersect: The Stanford Journal of Science, Technology, & Society*

HONORS and AWARDS

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

2019-Pres.	Perelman School of Medicine Interviewer
2019-Pres.	Stanford University Interviewer

2019	Penn Med Egg Drop Champion
2018	Completed *Music and Medicine* 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	*Journal of General Internal Medicine*
Hobbies	Social dancing, piano, podcasts, computer programming.
Tools I use	Python (pandas, Jupyter), R (tidyverse, survival), APIs (Reddit, Instagram, PubMed), Unix, HTML/CSS/Bootstrap, REDCap, Anki.