

ABOUT

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School Email	brian.chu@pennmedicine.upenn.edu
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Website	chu-brian.github.io
Hometown	San Francisco, CA

EDUCATION

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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: 4.011) Minor in Computer Science

RESEARCH

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1. Andy A, **Chu B**, Fathy R, Bennett B, Stokes D, Guntuku SC. Understanding social support expressed in a COVID-19 online forum. *LOUHI 2021 (Computer science conference)*. Accepted.
2. **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*. Dec 2020. Accepted.
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*. Nov 2020. Accepted. \*Co-first authors.
4. **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*. Nov 2020.
5. **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.
6. 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.
7. 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.
8. 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.
9. **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.
10. Ranpariya V, **Chu B**, Fathy R, Lipoff JB. Dermatology without Dermatologists? Analyzing Instagram influencers with dermatology-related hashtags. *J Am Acad Dermatol*. May 2020.
11. 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.

12. 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.
13. 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.
14. **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.
15. 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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| 2020 | [Accepted] Automated software targeting original research spreads COVID-19 misinformation on Facebook.  |
| 2021 | [In review] A multicenter review of patients presenting with an initial episode of leukocytoclastic vasculitis: epidemiology, comorbidities, and final diagnoses. |
| 2021 | [Submitted] Information-seeking for influenza vaccination increased globally during the COVID-19 pandemic.  |

LECTURES, PRESENTATIONS, and TEACHING EXPERIENCES

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| 2021       | [Poster Abstract] <b>Chu B</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, <b>Chu B</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] <b>Chu B</b> , Fathy R, Nobles A, Lipoff JB. Analyzing Crowdsourced Dermatologic Consults on Reddit. <i>Assoc for Healthcare Social Media 2020</i> . Awarded "Best Abstract Award."  |
| 2020       | [Poster Abstract] Ranpariya V, <b>Chu B</b> , Fathy R, Lipoff JB. Dermatology without Dermatologists? An Analysis of Instagram Influencers Using Dermatology-Related Hashtags. <i>Assoc for Healthcare Social Media 2020</i> . Awarded "Poster of Distinction."  |
| 2020       | [Oral Abstract Presenter] <b>Chu B</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. <i>ASCO-SITC Immuno-Oncology Symposium. J Clin Oncol</i> 38, 2020 (suppl 5; abstr 56). |
| 2020       | [Poster Abstract] Fathy R, <b>Chu B</b> , James WD, Barbieri JS. The frequency of topical antibiotic use following biopsy and excision procedures amongst dermatologists and non-dermatologists: 2006-2015. <i>Am Acad of Dermatology (cancelled)</i> .  |
| 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

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

COMMUNITY SERVICE

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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

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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: <i>Intersect: The Stanford Journal of Science, Technology, &amp; Society</i>

HONORS and AWARDS

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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	Stanford Bio-X Research Fellowship

#### MISCELLANEOUS

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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 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.
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.