

ABOUT

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School Email	brian.chu@pennmedicine.upenn.edu
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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 Minor in Computer Science

RESEARCH

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*Published*

2020	Mohiuddin J, <b>Chu B</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. <i>J Natl Cancer Inst.</i> Apr 2020. In press.
2020	Fathy R*, <b>Chu B*</b> , Singh P, James WD, Barbieri JS. Variation in topical antibiotics recommendations in wound care instructions by non-dermatologists. <i>J Gen Intern Med.</i> Feb 2020. *co-first author
2020	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>J Am Acad Dermatol.</i> Jan 2020.
2019	<b>Chu B</b> , Fleischer A, Barbieri JS. The frequency of off-label prescribing in the treatment of dermatologic diseases during 2006-2015. <i>J Am Acad Dermatol.</i> Jul 2019.
2018	Kamariza M, Shieh P, Ealand CS, Peters JS, <b>Chu B</b> , Rodriguez-Rivera FP, Babu Sait MR, Treuren WV, Martinson N, Kalscheuer R, Kana BD, Bertozzi CR. Rapid detection of <i>Mycobacterium tuberculosis</i> in sputum with a solvatochromic trehalose probe. <i>Sci Transl Med.</i> Feb 2018.

*Submitted*

2020	Sociodemographic differences associated with utilization of weekend versus weekday primary care visits.
2020	Crowdsourcing of dermatologic consults on an online community.
2020	[In revision] Analyzing Instagram influencers with dermatology-related hashtags.
2019	[In revision] Patterns of Skin Cancer and Treatment Outcomes for Patients with Albinism at Kisangani Clinic, Democratic Republic of Congo.

*In progress*

- 2020 Association of air quality with search interest of disease.
- 2020 Evaluating statistical reporting in health journals.
- 2020 Immune-related adverse events in patients with treated with immune checkpoints inhibitors.
- 2020 Sociodemographic characteristics of patients with albinism.
- 2020 Medical discussion on social media, various projects with Penn Center for Digital Health and other institutions.
- 2020 Systematic review of outcome measurements for psoriasis.
- 2019 Cost analysis of excisions and repairs of facial melanomas.
- 2019 Routine laboratory tests for the evaluation of patients with vasculitis.

*In planning*

- 2019 Pilot study of penicillin allergy skin test in the inpatient setting.
- 2019 Genetics of linear IgA bullous dermatosis.

LECTURES, PRESENTATIONS, and TEACHING EXPERIENCES

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- 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 [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 Wrote and taught workshops on using Anki in medical school
- 2019 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 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.

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COMMUNITY SERVICE

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2018-2019	Dance for Health Coordinator: community health and dance organization in West Philadelphia.
2018-Present	Various organizations: Penn Med Votes, Homeless Health Initiative, Philadelphia Human Rights Clinic.
2016-2018	Volunteer EMT: Stanford University EMS.
2015-2018	Counselor at Pacific Free Clinic: Stanford-run free clinic, San Jose, CA.
2012-2013	Representative on San Francisco Youth Commission.

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EXTRACURRICULARS

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2020-Present	Student representative for clinical curriculum
2018-Present	Member of West Philly Swingers dance troupe
2018-2019	Student representative for preclinical curriculum
2018-2019	Co-chair of the Dermatology Interest Group
2018-2019	VP of Innovation for PennHealthX
2018-2019	Co-chair of Penn Med Music On-Call

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HONORS and AWARDS

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2019	PennTalks Speech Competition: Winner
2018	Twenty-First Century Scholars Award: full-ride scholarship, Perelman School of Medicine
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

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MISCELLANEOUS

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2019-Present	Perelman School of Medicine Interviewer
2019-Present	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. Advised a top 10 largest pharmaceutical company.
2015-Present	Member of Alpha Chi Sigma, professional chemistry fraternity
2010-2014	Lowell High School, San Francisco, CA, valedictorian.
Memberships	American Medical Association, American Society of Clinical Oncology, Pennsylvania Medical Society.
Hobbies	Social dancing, piano, podcasts, computer programming.
Tools I use	Python (pandas, Jupyter), R (dplyr), APIs (Reddit, Instagram, PubMed), Unix, Anki.