Jane Evelyn Chuprin-Bucher, MD, PhD

janebucher@protonmail.com
linkedin.com/in/janechuprin
Switzerland

- Swiss B permit (Familienangehöriger): able to work without restriction in Switzerland

EDUCATION

University of Massachusetts Chan Medical School · *MD, PhD* — Jul 2017 – May 2026
Worcester, MA, USA

University of Pennsylvania · *BA, Molecular & Cell Biology* — May 2017
Philadelphia, PA, USA · Minor in Chemistry · Magna Cum Laude, with Honors in Biology

RESEARCH EXPERIENCE

Doctoral Thesis Dissertation (PhD) — Sep 2019 – 2024
University of Massachusetts Chan Medical School, Worcester, MA, USA
"STING gain-of-function in endothelial cells impairs wound healing responses."
Co-PIs: Mehdi Rashighi, MD (Department of Dermatology), Michael Brehm, PhD (Department of Molecular Medicine), and Ann Rothstein, PhD (Department of Medicine)

Undergraduate Researcher — Sep 2014 – May 2017
University of Pennsylvania, Philadelphia, PA, USA · PI: Carl June, MD (Center for Cellular Immunotherapies)

- Completed an independent undergraduate senior honors thesis exploring how a proprietary inflammatory mediator affects T cell activation in the context of improving CAR T-cell therapy for solid tumors.

SELECTED PUBLICATIONS

Chuprin J, Lopes CS, Gao KM, et al. Endothelial cell expression of STING^{V154M}: gain-of-function mutation delays the resolution of UVB-induced skin injury. *J Invest Dermatol*. 2026;146(9):2574-2586.e1. doi:10.1016/j.jid.2026.03.014. pubmed.ncbi.nlm.nih.gov/41905514

Nayyar N, de Sauvage MA, **Chuprin J**, et al. CDK4/6 inhibition sensitizes intracranial tumors to PD-1 blockade in preclinical models of brain metastasis. *Clin Cancer Res*. 2024;30(2):420-435. doi:10.1158/1078-0432.CCR-23-0433. pubmed.ncbi.nlm.nih.gov/37611074

Vanderweil SG, Yang C, Pagani K, **Chuprin J**, Bernhard J, Harris JE. Assessing risk amid uncertainty inside and outside the dermatology clinic. *J Am Acad Dermatol*. 2023;89(4):864-866. doi:10.1016/j.jaad.2023.06.038. pubmed.ncbi.nlm.nih.gov/37394142

Chuprin J, Buettner H, Seedhom MO, et al. Humanized mouse models for immuno-oncology research. *Nat Rev Clin Oncol*. 2023;20(3):192-206. doi:10.1038/s41571-022-00721-2. pubmed.ncbi.nlm.nih.gov/36635480

Chuprin J, McCormack L, Richmond JM, Rashighi M. Evaluating the use of JAK inhibitors in inflammatory connective tissue diseases in pediatric patients: an update. *Expert Rev Clin Immunol*. 2022;18(3):263-272. doi:10.1080/1744666X.2022.2047022. pubmed.ncbi.nlm.nih.gov/35209781

GRANTS & AWARDS

T32 Autoimmunity and Autoinflammation Training Grant — Sep 2022 – 2024
National Institute of General Medical Sciences (Bethesda) · Grant number: T32GM107000

T32 Medical Scientist Training at UMass Chan Med — Sep 2018 – 2019
National Institute of General Medical Sciences (Bethesda) · Grant number: 5T32AI132152-07

Chair's Award for Excellence in Biology — May 2017
Awarded to the top graduating undergraduate biology student at the University of Pennsylvania who has distinguished themselves by achieving academic excellence and serving as a positive and contributive member within the Biology Department.

STARTUP EXPERIENCE

Roon Health · *Medical Fellow, Growth* Apr 2025 – Present

Roon Health is an AI-native startup reimagining an online physician community, having raised $15M and backed by investors like FirstMark, Forerunner, Sequoia, TMV, and SV Angel. Work on the Growth Team, running personalized recruitment strategies and social media campaigns, co-producing the brand's podcast *Good Medicine*, and sourcing physician community leaders.

Glass Health · *Assistant to the CEO & AI Clinical Fellow* Oct 2023 – Jan 2025

Executed duties to empower the CEO, including leading as an acting chief of staff, fundraising memos, pitch decks, strategy development, and miscellaneous needs like meeting with prospective buyers and successfully applying to Google's AI-First Accelerator program. Contributed to AI platform development in a variety of ways that spanned collaborative literature review, prompt engineering, n-shot development, and human expert review of AI outputs in a complex retrieval-augmented clinical generative AI system.

Portal Innovations · *Venture Fellow* May 2023 – Sep 2023

Worked on dealflow on the Diligence Team to evaluate potential biotech investments. Met with biotech entrepreneurs, assessed data and business strategy, and developed a white paper on investing in the extracellular matrix industry.

On Deck · *Longevity Biotech Fellow* Sep 2021 – 2023

Engaged as a community member of entrepreneurs, investors, and scientists interested in creating and promoting longevity-focused biotech companies.

TEACHING EXPERIENCE

Medical School Tutor Sep 2019 – 2023

University of Massachusetts Medical School, Worcester, MA, USA

- Tutored first- and second-year medical students one-on-one and in small group sessions in pharmacology, infectious disease, hematology and immunology, oncology, organ systems pathology, and Step 1 Prep.

Faculty Instructor, Principles of Pharmacology Apr 2020 – Jun 2020

University of Massachusetts Medical School, Worcester, MA, USA

- Co-created and led a 2-week curriculum for first-year medical students needing to remediate the semester exams of pharmacology.

Teaching Assistant, Histology Sep 2018 – 2020, Sep 2021 – 2023

University of Massachusetts Medical School, Worcester, MA, USA

- Instructed first-year medical students in their histology laboratory course.

Teaching Assistant, Freshman Seminar in Neurobiology Spring 2012

Harvard Medical School, Boston, MA, USA

- Assisted teaching and organizing labs for the Harvard College Freshman Seminar Course taught by Nobel Laureate David Hunter Hubel, MD, covering his work in visual processing.

SELECTED COURSES

Systems & Computational Biology · UMass Chan Medical School Spring 2022

Advanced Topics in Bioinformatics · UMass Chan Medical School Fall 2020

Introduction to Bioinformatics · University of Pennsylvania Spring 2017

Introduction to Computational Biology & Computational Modeling · University of Pennsylvania Fall 2016

Introduction to Scientific Computation · University of Pennsylvania Fall 2016

Statistics for Biologists · University of Pennsylvania Fall 2016

LEADERSHIP POSITIONS

Co-founder & Co-moderator · *"DNA Deviants"* Aug 2021 – 2023

- Co-led virtual science journal clubs (@DNAdeviants on Twitter, Twitch, and Slack with 2,000+ followers) and organized in-person scientist meet and greets. The mission of DNA Deviants was to create a community of science enthusiasts in addition to promoting science education.

Vice President of Strategy · *"Nucleate"* Apr 2022 – Oct 2022

- Nucleate is a non-profit organization providing free biotech educational courses. Primarily worked on the global expansion of Nucleate programming to other countries as well as establishing new regional chapters in the USA.

Co-chair · *"MSTP Student Council"* Sep 2019 – 2021

- Elected co-chair to lead the UMass Med MD-PhD Student Council.

Co-leader · *"Leadership in Medicine: Optional Elective"* Sep 2018 – 2020

- Co-led this elective that invited speakers in healthcare leadership positions (CEOs, Deans, Chairs) who provided leadership training for students in healthcare.

MSTP Student Council Member Sep 2017 – 2022

- Engaged in committees to improve Mentorship, the Annual MD-PhD Research Retreat, developing new projects for Action for Equity and Inclusion, and fostering Alumni Relations.

Editor-in-Chief · *"PennScience: Journal of Undergraduate Research"* Sep 2016 – 2017

- Led a team of about 50 students in the production of a student-run science journal summarizing the latest scientific advancements and publishing and reviewing original undergraduate research.

LANGUAGES, SKILLS & INTERESTS

English · native

German · A2, actively studying

MATLAB / Python / R · proficient

Spanish · intermediate

French · novice

Ballet · Running · Art history · Flute