

Blake Torrance

PATENT AGENT

Patents and
Innovations
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FOCUS AREAS

Intellectual Property
Life Sciences
Patents and Innovations

EXPERIENCE

Dr. Blake Torrance is a patent agent in the Washington, D.C., office of Wilson Sonsini Goodrich & Rosati, where he is a member of the patents and innovations practice. His broad scientific expertise includes immunology, vaccine development, infectious disease, and the biology of aging.

Blake completed his doctoral training in immunology at the University of Connecticut Health Center. His research focused on the effects of aging on the immune response to influenza infection and vaccination. This work also investigated the use of various anti-aging interventions to improve immune responses and the development of immune memory. Prior to his graduate studies, his work included the identification and characterization of cancer immunotherapies and the effects of gut microbes on tumor progression.

CREDENTIALS

Education

- Ph.D., Biomedical Sciences, University of Connecticut, 2023
Concentration in Immunology; 2022 Young Investigator Award, Adaptive Biotechnologies; 2021 Scholarship for Research in the Biology of Aging, American Federation for Aging Research
- B.S., Biology, University of Dallas, 2018
Minor in Molecular Biology, comprehensive exam passed with distinction

Admissions

- U.S. Patent and Trademark Office

INSIGHTS

Select Publications

- Co-author, "Senolytic treatment with dasatinib and quercetin does not improve overall influenza responses in aged mice," *Frontiers in Aging*, 2023
- Co-author, "The effects of metformin on influenza vaccine responses in nondiabetic older adults: a pilot trial," *Immunity and Ageing*, 2023
- Co-author, "Cellular senescence is a key mediator of lung aging and susceptibility to infection," *Frontiers in Immunology*, 2022
- Co-author, "Senescence-induced changes in CD4 T cell differentiation can be alleviated by treatment with senolytics," *Aging Cell*, 2022

TECHNICAL FLUENCY

Biological Sciences and Biotechnology

- Antibody
- Antigen presentation
- Biologics
- CAR-T cells
- Cell biology
- Cellular immunology
- Immunobiology
- T cell biology
- Virology

Therapeutics and Drug Discovery

- Immunotherapy targets
- Vaccines

Miscellaneous

- Infectious diseases