

KOREA-US Frontiers in Health and Life Sciences

2025. 11. 6^(Thu) - 7^(Fri)
Four Seasons Hotel, Grandballroom(3F)



Curriculum Vitae

Name	First Name	Seungmin (Sam)		Last Name	Hwang
Country	U.S.A.				
Affiliation	Broad Institute of MIT and Harvard				

Educational Background

3/1993 – 2/2000 Korea Advanced Institute of Science and Technology, Biological Sciences, B.S.
3/2000 – 2/2002 Korea Advanced Institute of Science and Technology, Biological Sciences, M.S.
9/2002 – 6/2007 University of California, Los Angeles, Molecular and Medical Pharmacology, Ph.D.

Professional Career

7/2007 – 6/2009 University of California, Los Angeles, Postdoctoral Researcher
7/2009 – 2/2013 Washington University in St. Louis School of Medicine, Postdoctoral Researcher
3/2013 – 5/2019 The University of Chicago, Assistant Professor
5/2019 – 3/2023 VIR Biotechnology, Inc., Vice President
9/2023 - Present Broad Institute of MIT and Harvard, Senior Translation Group Leader

Research Field

The main theme of my research is to understand host-pathogen interactions for the goal of developing host-directed therapy (HDT) for infectious diseases. I am particularly interested in how the host controls or tolerates acute and chronic infections using functional genomics approaches.

Papers, Books, etc. presented or published by your name

1. Choi J, et al. 2014. The Parasitophorous Vacuole Membrane of *Toxoplasma gondii* is Targeted for Disruption by Ubiquitin-like Conjugation Systems of Autophagy. *Immunity* 40:924-35.
2. Biering SB, et al. 2017. Viral replication complexes are targeted by LC3-guided interferon-inducible GTPases. *Cell Host & Microbe* 22(1):74-85.e7
3. Bouziat R, et al. 2018. Murine Norovirus Infection Induces TH1 Inflammatory Responses to Dietary Antigens. *Cell Host & Microbe* 24(5):677-688.e5.
4. Soriaga L, et al. 2025. Shared host genetic landscape of respiratory viral infection. *Proc Nat Acad Sci* May 20;122(20):e2414202122. doi: 10.1073/pnas.2414202122.