

CURICULUM VITAE**Part I: General Information****Name:** Jae Ung Jung**Office Address:** Molecular Microbiology and Immunology
HMR Room 401
2011 Zonal Avenue
Los Angeles, CA 90033
Tel: 323-442-1713**Birth Date:** January 30th, 1960**Home Address:** 2722 Sleepy Hollow Place
Glendale, CA 91206**Email:** jaeujung@med.usc.edu **Phone:** 323-442-1713**Place of Birth:** Seoul, Korea**Education:**

1978-1982	B.S. Food Science	Seoul National University, Korea
1982-1984	M.S. Food Microbiology	Seoul National University, Korea
1985-1989	Ph.D. Microbiology	University of California, Davis
2004	MS. Honorary	Harvard University, MA

Postdoctoral Training:

1990-1991	Postdoctoral Fellow, Microbiology and Molecular Genetics, Harvard Medical School
1991-1992	Research Associate, Microbiology and Molecular Genetics, Harvard Medical School

Academic Appointments:

1983-1985	Lecturer, Suwon University
1992-1994	Instructor, Microbiology and Molecular Genetics, Harvard Medical School
1994-1998	Assistant Professor of Microbiology and Molecular Genetics, Harvard Medical School
1995-2007	Member, Biological and Biochemical Science, Harvard Medical School
1996-2007	Member, Committee on Virology, Harvard Medical School
1999-2003	Associate Professor of Microbiology and Molecular Genetics, Harvard Medical School

1999-2007	Chairman of Tumor Virology Division, New England Primate Research Center, Harvard Medical School
2001-2008	Adjunct Associate Professor, Department of Microbiology and Molecular Genetics, University of Massachusetts Medical School
2004-2007	Tenured Professor of Microbiology and Molecular Genetics, Harvard Medical School
2007-2016	Visiting Professor of Departments of Biology and Medical Science & Engineering, KAIST, Korea.
2008-present	Visiting Professor of Microbiology and Molecular Genetics, Harvard Medical School
2008-present	Distinguished Professor Fletcher Jones Foundation Professor Hastings Foundation Professor Chairman of Molecular Microbiology and Immunology department, Director of USC Institute of Emerging Pathogens and Immune Diseases Keck Medical School Professor of Pharmacology and Pharmaceutical Sciences Department School of Pharmacy Professor of Molecular and Computational Biology Department College of Letters, Arts and Sciences University of Southern California

Major Administrative Responsibilities:

1999-2007	Chairman, Tumor Virology Division, New England Primate Research Center, Harvard Medical School
2000-2007	NEPRC Summer Student Program Director, New England Primate Research Center, Harvard Medical School
2007-present	Chairman of the Molecular Microbiology and Immunology department of USC Keck Medical School
2011-present	Director of USC Institute of Emerging Pathogens and Immune Diseases

Major Committee Assignments:**Medical School:**

1998	Faculty search committee, Microbiology and Molecular Genetics, Harvard Medical School
1999-2007	Dana Farber/Harvard Cancer Center Virology Program member.
2000-2007	NEPRC Animal Allocation Committee
2001	Harvard Medical School Faculty Search Committee, Microbiology and Molecular Genetics
2002	NEPRC Viral Immunology Faculty Search Committee
2004	NEPRC Virology Faculty Search Committee Chair
2004	NEPRC Neurobiology Faculty Search Committee
2008-present	USC MMI Faculty Search Committee Chair
2007	Norris Cancer Center Faculty Search Committee

2008-present Dean's Research Cabinet, USC
 2008-present Search Committee, USC
 2009-present Children's Hospital at Los Angeles Search Committee
 2011 Norris Cancer Center Director Search Committee
 2011-present USC Provost Strategic Planning Subcommittee for Research and Innovation
 2011-present USC, University Committee on Appointments, Promotions and Tenure
 2011-2012 USC Medical School Finance Stewardship Committee
 2012-2012 Committee for Building an Environment to Support the Growth of Academic and Clinical Excellence

Regional:

1988-1989 President, Korean Graduate Student Association, University of California, Davis
 1988-1989 Coordinator, Northern California Korean Biological Science Meeting
 2013-2014 President of Association of Korean Immunologists in America

International:

1996 Session Chair, International Herpesvirus Workshop, Northern Illinois University, DeKalb, IL
 1998 Organizing Committee, 24th International Herpesvirus Workshop, Boston, MA
 1998 Session Chair, 1st Annual Meeting on Kaposi's Sarcoma-Associated Herpesvirus and Related Agents
 1999 Scientific Advisory Committee, Third International Conference on Human Herpesviruses 6, 7 and 8, Florida
 1999 Session Chair, 2nd Annual Meeting on Kaposi's Sarcoma-Associated Herpesvirus and Related Agents, England
 2000 Session Chair, 3rd Annual Meeting, Kaposi's Sarcoma-Associated Herpesvirus and Related Agents, Amherst, MA
 2000 Session Chair, International Herpesvirus Workshop, Portland, OR.
 2001-2002 Primate Genomics Project Committee, NIH Regional Primate Research Program
 2001 Session Chair, 4th Annual Meeting on Kaposi's Sarcoma-associated Herpesvirus and Related Agents, California
 2004 Organizer, 7th Annual Meeting on Kaposi's sarcoma-associated herpesvirus and related agents
 2006 Session Chair, Annual Meeting on Kaposi's Sarcoma-associated Herpesvirus and Related Agents
 2006-2008 ULTRA advisory committee, Korea

Professional Societies:

1993-present American Association for the Advancement of Science (AAAS), Member
 1993-present American Society of Microbiology, Member

Grant Review Panels:

1998-present Ad-hoc member, NCI Program project grant review panel, NIH
 1999-2003 Member, NIH Virology B Study section
 2000-present Ad-hoc reviewer, Medical Research Counsel, Canada
 2000-present Ad-hoc reviewer, Medical Research Counsel, England
 2001-present Ad-hoc reviewer, Cancer Campaign Research Grant review, UK
 2002-present Ad-Hoc reviewer, Philip Morris External Research Program
 2002-present Ad-Hoc reviewer, American Cancer Society Research Program

2003-present	Ad-hoc reviewer, NIH Virology study section
2003-present	NIH Special Emphasis Review Panel
2007-present	Member, Leukemia and Lymphoma Society of America grant
2009-2013	Member, NIH AOIC study section
2017-2021	Member, NIH VIRA study section

Editorial Boards:

1998-2009	Editorial Board	Journal of Virology
2000-present	Editorial Board	Virology
2005-present	Invited Editor	Proceeding of National Academic of Science
2007-2014	Section Editor	PLoS Pathogen
2015-present	Editor	Journal of Virology
1995-present	Ad hoc reviewer	Nature, Nature Medicine, Nature Cell Biology, Nature Immunology, Nature Comm. Science, Cell, Mol Cell, Immunity, Cell Host & Microbes, Cell Report, Blood, Human Gene Therapy, Molecular and Cellular Biology, J. Biological Chemistry, Cancer Research, Oncogene, J. Clinical Investigator, J. Experimental Medicine, PLoS Biology

Awards:

1986	Distinguished Graduate Fellowship
1987	Jastro Shields Graduate Research Award
1998	Appreciation award from Korean Bioscience Association
1999	SBR/CKD Bioscience Award
2000	The Leukemia & Lymphoma Society Scholar Award
2004	NEBS-KOSEN Research Award
2007	Ilchun Memorial Lecture Award
2008	Hastings Foundation Professor
2010	Fletcher Jones Foundation Chair
2010	Fellow of American Academy of Microbiology
2011	Fellow of American Association for the Advancement of Science
2011	Ricci Lecture award
2012	Ho-Am Award
2012	USC Distinguished Professor
2016	National Institute of Cancer Outstanding Investigator Award

Part II: Research, Administration, and Teaching Contributions

A. Research Activity

The research mission centers on conducting interdisciplinary, state-of-the-art research in the areas of virology, immunology and neurobiology that not only increase our basic knowledge but also ultimately translate from the research laboratory to the clinics.

1. Virus-Induced Cancer

This section is focused on understanding the molecular mechanisms of gamma herpesvirus-induced cancers by investigating the molecular basis of viral carcinogenesis, the epigenetic regulation of viral gene expression, and the development of organoid and animal models for human diseases. Specifically, the gamma-2 herpesviruses include Kaposi's sarcoma associated herpesvirus (KSHV), herpesvirus saimiri (HVS), and murine herpesvirus 68 (MHV68). KSHV is consistently associated with Kaposi's sarcoma, which is a multifocal vascular tumor of mixed cellular composition and the most common tumor in patients with AIDS. Infection of New World primates with HVS results in rapidly progressing malignant T cell lymphomas. Finally, MHV68, the murine counterpart of KSHV and HVS, can be used in a small animal model to study viral persistent infection. Genomic, biochemical and immunological analyses of individual viral genes in culture and experimental infection of mouse and/or primate with recombinant herpesviruses are used to define their roles in the onset of disease. In addition, we have developed humanized mouse models to study human herpesvirus infection. Using the genetic manipulation of viral genome and primate/mouse models, we investigate viral gene expression, epigenetic regulation, persistence, pathogenesis, and vaccine development.

2. Host-Microbe Standoff

Host: The first step to mounting a protective immune response is the recognition of pathogens by cell surface receptors, called pattern recognition receptors (PRRs), located on professional phagocytes, dendritic cells, and non-immune cells. PRRs include C-type lectin receptors (CLR), Toll-like receptors (TLRs), NOD-like receptors (NLRs), and cytoplasmic nucleic sensors (RIG-I, MDA5, and cGAS). After recognizing specific pathogen-associated molecular patterns, PRRs activate intracellular signaling pathways and stimulate inflammatory mediators. As a consequence, chemokines and cytokines are released and inflammatory cells accumulate at the site of infection. Our focus in this section is to understand PRR-mediated anti-microbial responses with a specific focus on RIG-I/MDA5, NLRP1/3/12, cGAS and their ubiquitination-dependent regulations.

Herpesvirus: To avoid host innate and adaptive immune responses, herpesviruses have evolved elaborate mechanisms to target and modulate different aspects of the host's immune system. Understanding these herpesvirus-mediated immune evasion tactics is the primary goal of this avenue.

Influenza virus: We study how the host recognizes influenza viral infection with a specific focus on the RIG-I, TRIMs, IFITMs, and IRFs, and how influenza virus escapes host IFN-mediated anti-viral responses with a specific focus on the Influenza virus NS1 gene.

Emerging Pathogens: Dengue virus (DENV), Zika virus (ZIKV), Chikungunya virus (CHIKV) and Severe Fever with Thrombocytopenia virus (SFTSV): Dengue is the most prevalent mosquito-borne viral disease, causing an estimated 200 million infections annually with rapidly growing incidence in the past decade. **DENV** is a single positive-stranded RNA virus of the Flavivirus family and causes a spectrum of diseases, namely dengue fever, dengue hemorrhagic fever and dengue shock syndrome. **ZIKV** is closely related to DENV, and transmitted by *Aedes* mosquitoes. While ZIKV infection causes a mild illness, a recent outbreak strongly indicates that

ZIKV infection is a key risk factor for microcephaly. **CHIKV** is a reemerging family of Alphavirus and causes incapacitating arthralgia. While CHIKV has been present mostly in Asia, Africa and Europe, it was recently introduced to the Americas. **SFTSV** is an emerging infectious agent that was discovered in China in 2010 and has since spread into other countries in East Asia. SFTSV is a three-segmented negative-stranded RNA virus of the Bunyavirus family and has a fatality rate of 12% and as high as 30% in some areas by causing multiple organ failure, thrombocytopenia, and leukopenia. Understanding how DENV, ZIKV, CHIKV and SFTSV are able to evade host immune system and cause diseases is the main topics of interest. Also, we have a new state-of-art Biosafety Lab 3 (BSL3) with mouse infection facility to study CHIKV and SFTSV.

3. Programmed Cell Death (Apoptosis, Autophagy, Pyroptosis and Necroptosis)

Upon viral infection, infected cells can become the target of host immune responses or can go through a programmed cell death (PCD). Apoptosis has been a primary PCD mechanism for the body to respond to viral infection by sacrificing an infected host cell. Autophagy is an important host innate immune pathway that is a highly regulated homeostatic process wherein worn-out proteins, malfunctioning organelles, and invading pathogens are swept up and degraded by tiny “vacuum cleaners”. This process also plays an effective role in anti-microbial and anti-tumor responses by degrading intracellular viruses and by suppressing cancer cell growth, respectively. Pyroptosis is an inflammatory form of cell death characterized by massive leakage of cytosolic contents to magnify inflammatory response. Necroptosis is a programmed form of necrosis, resulting from cellular damage or infiltration by pathogens. Thus, these PCDs are important innate safeguard mechanisms to protect the organism against harmful microbes and unwanted cancerous cells. Viruses, in turn, have evolved elaborate mechanisms to subvert these PCD processes. This avenue is to understand how the host initiates PCD responses upon tumor development or viral infection and how the virus escapes host intracellular PCD-mediated innate immune controls to establish persistent infection and pathogenesis.

4. Developing Programs

Immune aging and infection: Aging is associated with multiple immune system dysfunctions. An important current direction for immunosenescence research is towards assessing the age-associated modifications of immunity that make the elderly more susceptible towards chronic infections, including herpesvirus, and for acute infections, including influenza virus and SFTS virus. We use premature aging knockout mouse models to study how hosts and viruses interact in an aged animal’s immune system.

Traumatic brain injury (TBI) and neuroinflammation: We have identified novel tripartite motif 9 (TRIM9) E3 ligase as brain-specific innate immune effector to develop balanced host immune responses against brain injury and viral infection. Specifically, TRIM9 KO mice develops serious brain injury and encephalitis upon traumatic stress, stroke or infection. Using this mouse TBI models, we study the development and permeability of blood brain barrier, neuronal and astrocyte cell death, NF- κ B-mediated brain inflammation, and viral infection-mediated IFN production.

Vaccine stabilization: Instability of vaccines often emerges as a key challenge during clinical development as well as commercial distribution. To yield stable, efficacious vaccine dosage forms for human use, successful formulation strategies must address a combination of interrelated topics including stabilization of antigens, selection of appropriate adjuvants, and development of stability-indicating analytical methods. Our goal is to develop thermostable vaccines for distribution in developing countries without the need of a cold-chain transport. We are working on polio virus vaccine and will ultimately expand this program to other vaccines that require cold-chain transport.

B. Funding Information**ACTIVE****1. Molecular Basis of Kaposi's Sarcoma-Associated Herpesvirus Pathogenesis**

Principal Investigator: Jae Jung Agency: National Cancer Institute
Type: R01 (CA082057) Period: 7/1/1998-6/31/2019

The major goal of this project is to understand the molecular mechanisms of KSHV genes in the alteration of cellular signal transduction and transformation will be studied.

2. Role of viral Bcl-2-mediated anti-apoptosis and anti-autophagy

Principal Investigator: Jae Jung Agency: NIAID
Type: R01 (AI073099) Period: 7/1/2007-6/30/2018

The major goal of this project is to understand the role of viral Bcl-2 in anti-apoptosis and anti-autophagy.

3. Controlling infectious disease based on autophagic immune defense mechanism

Principal Investigator: Jae Jung Agency: Korean Government
Type: Global Research Laboratory Period: 2008 to 2017

The major goal of this program project is to investigate roles of viral anti-cell death genes for viral persistency and pathogenesis.

4. When Autophagy Meets Phagocytosis

Principal Investigator: Jae Jung Agency: NHLBI
Type: R01HL110609 Period: 7/1/2011-6/30/2016

The major goal of this grant is to investigate the interaction between autophagy and phagocytosis to meet microbes including Mtb.

5. KSHV Persistence and Pathogenesis

Principal Investigator: Jae Jung Agency: NCI
Type: PPG P01 CA180779 Period: 7/1/2013-6/30/2018

The major goal of this program project is to investigate viral persistent infection and pathogenesis in culture and humanized mouse model.

6. KSHV Epigenetic Regulation

Principal Investigator: Jae Jung Agency: NIDCR
Type: R01 DE023926 Period: 9/1/2013-8/30/2018

The major goal of this project is to investigate epigenetic regulation of KSHV gene expression in endothelial and oral epithelial cells.

7. TRIM9-mediated anti-viral immune pathway

Principal Investigator: Jae Jung Agency: NIAID
Type: R01 AI116585 Period: 4/1/2015-3/31/2020

The major goal of this project is to investigate brain-specific TRIM9 E3 ligase for anti-viral and anti-inflammatory response upon viral infection.

8. NCI Outstanding Investigator Award (OIA): Molecular Basis of KSHV oncogenesis

Principal Investigator: Jae Jung Agency: NIH/NCI
Type: R35 CA200422 Period: 03/01/2016-02/29/2023

The major goal of this project is to provide biologically relevant settings for the study of in vivo KSHV persistence and pathogenesis: understanding the viral evasion of host immunity and the viral

strategy of cell growth transformation and developing infectious KSHV BAC clone and the humanized mouse and primate models.

9. Targeting KSHV malignancies and persistent infection

Principal Investigator: SJ Gao Agency: NCI
R01CA197153 Period: 05/01/2015-04/30/2020

This project is to identify and validate host factors and inhibitors targeting individual or combined cellular pathways that are essential for KSHV oncogenesis and persistent infection.

Role: co-investigator

10. Histone Modifiers in Oral KSHV Infection and Malignancies

Principal Investigator: SJ Gao Agency: NIDCR
R01DE025465 Period: 07/10/2015-04/30/2020

This project is to further delineate histone modifiers essential for KSHV latent infection in oral cells and to therapeutically target these histone modifiers for oral KSHV persistent infection and KSHV-induced cancer.

Role: co-investigator

PENDING

Role of autophagy for Zika virus lifecycle

Principal Investigator: Jae Jung Agency: NIH/NIAID
Type: R21AI129496 Period: 2017-2018

EXPIRED DURING LAST THREE YEARS

KSHV vaccine development

Principal Investigator: Jae Jung Agency: NIAID
Type: R21/R33 AI105809 Period: 4/1/2013 to 3/30/2015

The major goal of this grant is to develop live attenuated vaccine against KSHV.

Host-pathogen competition in IFN mediated antiviral defense

Principal Investigator: Jae Jung Type: U19 AI083025 Cooperative Research Center
Agency: NIAID Period: 2009 to 2014

The major goal of this U19 center grant is to investigate roles of host innate immunity to control influenza virus and hepatitis virus C replication.

Deregulation of host functions and persistent infection of KSHV

Project Leader 4: Jae Jung Agency: NIDCR/NIH
Type: P01 (P01 DE019085-01) Period: 4/1, 2008 to 3/31, 2013

The major goal of this program project is to understand in vivo viral evasion of innate immunity for persistent infection.

C. Administrative activity

Tumor Virology Division Chair at Harvard Medical School (1999-2007)

Dr. Jung was a Chair of the Tumor Virology Division at Harvard Medical School that consisted of six faculties, fourteen postdoctoral fellows, five graduate students, two research technicians, and one administrative assistant. The Division of Tumor Virology carried out basic and applied researches in human diseases. Specifically, researches in the Tumor Virology Division were focused principally on understanding the molecular mechanisms of diseases induced by the gamma herpesviruses, human

immunodeficiency virus, influenza virus, and SARS. The Tumor Virology Division also provided Gene Expression and Mass Spectrometry Core facility.

Summer Fellowship Program Director at Harvard Medical School (1999-2007)

Dr. Jung was a director of the Summer Veterinary Program and Summer Pre-Baccalaureate Program. The Summer Veterinary Program was targeted for students of medicine or veterinary medicine. Participants became involved in a research project to be completed during their summer tenure. The Pre-Baccalaureate Summer Program provided a competitive opportunity for undergraduate students of biology/biological sciences interested in pursuing a career in biomedical research. The intent was to provide a meaningful, hands-on experience as a means of re-enforcing their commitment to this career choice. Yearly 15-20 students were admitted for this program from 70-80 applications.

Chair of Molecular Microbiology and Immunology Department at University of Southern California Keck Medical School (2008-Present)

Dr. Jung is a Chair of the Molecular Microbiology and Immunology (MMI) at University of Southern California Keck Medical School that currently consists of twenty-five faculties. MMI has experienced a significant rebirth with my appointment as a Chair: recruiting fifteen new faculties, increasing department annual grant portfolio by seven folds, developing the Institute of Emerging Pathogens and Immune Diseases, and installing a new BSL-3 facility. In conjunction with my vigorous leadership, the entire faculty has been reinvigorated and given a strong sense of purpose. Innovative approach and environment have been cultivated to foster creativity, advanced thinking, new approaches to research, and teaching in the classroom and in the laboratory as well as collaborative efforts.

Director of USC Institute for Emerging Pathogens and Immune Diseases (2008-Present)

Dr. Jung is a founding Director of The USC Institute for Emerging Pathogens and Immune Diseases that serves as an umbrella structure and the intellectual and operational home for a world-class infectious diseases and immunology research programs. The institute provides the leadership and key collaborative expertise needed for assembly of interdisciplinary teams focused on large-scale research projects directed toward the problem of world-threatening pathogens. The institute also provides the USC research community with access to key research core resources like biosafety laboratory 3 facility.

Philanthropic activity (2008-Present)

- Fletcher Jones Foundation Endowed Chair
- Hastings Foundation
- ABSL-3 facility: build a new Biosafety Laboratory-3 facility that is a key research core resource to the USC infectious disease research.
- Delphine & James Fahringer Endowment

D. Report of Teaching

1. Local contributions

Advisory and Supervisory Activities (Visiting scholars, Postdoctoral fellow and graduate student only included)

Harvard Medical School (1994-2007)

Period	Name	Current position
1994 - 1997	Monroe Duboise, Ph.D.	Professor

Curriculum vitae

Jung, Jae U

1995 - 1996	Chungjoong Kim, DVM.	University of Southern Maine Professor
1995 - 1998	Jie Guo, M.D.	Chungnam University Scientist Pfizer Pharmaceuticals
1995 - 1997	Duk-Won Yoon, DVM.	Private practice, CA
1996 - 1998	Heuiran Lee, Ph.D.	Professor Ulsan College of Medicine
1996 - 2001	Mengtao Li, M.D./Ph.D.	Assistant Professor UCLA
1998 - 2000	Blossom Damania, Ph.D.	Professor/Vice Dean University of North Carolina Chapel Hill
1998 - 2001	Satoshi Ishido, M.D./Ph.D.	Associate Professor Kobe Medical School
1998 - 2000	Sung Shim, MS/MBA	Bristol-Myers Squibb Syracuse University
2000 - 2001	Jihyun Cho, MD/Ph.D.	Professor Wonkwang University
1997 - 2003	Joong-Kook Choi, Ph.D.	Associate Professor Chungbuk Medical School
1998 - 2004	Bok-Soo Lee, Ph.D.	Assistant Professor Samsung Research Institute
1999 - 2003	Hiroyuki Nakamura, M.D./Ph.D.	Associate Professor NCRI, Japan
1999- 2002	Chunyang Wang, MD	Neurosurgeon Temple Medical School
2000 - 2004	Young-Hwa Chung, Ph.D.	Professor Pusan University, Korea
2000 - 2004	Robert Means, Ph.D.	Associate Professor Yale Medical School
2001 - 2002	Junsoo Park, Ph.D.	Associate Professor Yonsei University
2002 - 2004	Nam-Hyuk Cho, Ph.D.	Professor Seoul National Medical School
2001 - 2007	Sun-Hwa Lee, Ph.D.	Assistant Professor Seoul National Medical School
2001 - 2006	Pinghui Feng, Ph.D.	Associate Professor USC Medical School
2001 - 2004	Yousang Gwack, Ph.D.	Associate Professor University of California-Los Angeles
2002 - 2005	Xiaozhen Liang, Ph.D.	Assistant Professor Institute of Pasteur-Shanghai
2002 - 2007	Ines Garcia, Ph.D.	Graduate student HMS Scientist at FDA
2003 - 2003	Vivian Kouri, MD.	Professor Instituto de Medicina, Cuba
2003 - 2007	Young Shin, Ph.D.	Scientist Brammer Bio
2003 - 2008	Heesoon Chang, Ph.D.	Research Manger Kimberly Clark

2004 - 2007	Dior Kingston, Ph.D.	Graduate student HMS Currently Computer scientist
2004 - 2007	Qing-Lin Li, Ph.D.	Assistant Professor Indiana University School of Medicine
2005 - 2006	Chul Hyun Joo, MD/PhD	Associate Professor Ulsan Medical School
2005 - 2009	Chengyu Liang, PhD	Associate Professor USC Medical School
2005 - 2006	Taegun Seo, PhD	Associate Professor Dongkuk University
2005 - 2009	Michaela Geck, PhD	Associate Professor University of Chicago
2006 - 2007	Liguo Wu, PhD	Postdoctoral fellow Harvard Medical School
2006 - 2007	Xiaofei E, PhD	Instructor Uni of Massachusetts Medical School
2006 - 2010	Jong-Soo Lee, DVM/PhD	Associate Professor Chungnam University
2006 - 2007	Alexander Lagadinos, BS	Graduate student UMass Medical School

University of Southern Medical School (2008-present)

Period	Name	Current position
2007 - 2012	Kyung-Soo Inn, PhD	Assistant Professor Kyunghee University
2007 - 2015	LaiYee Wong, PhD	Scientist Life Technologies
2008 - 2012	Joseph Jeong, PhD	Assistant Professor Wisconsin Medical College
2008 - 2012	HeeJin Kim, MS	Graduate Student USC Medical School
2008 - 2015	Mude Shi, PhD	Assistant Professor Sun-Yatsen University
2008 - 2011	June-Yong Lee, MS	Fellow New York University
2009 - 2010	Dongwook Lee, PhD	Postdoctoral fellow USC Medical School
2009 - 2012	Sunhwa Lee, PhD	Principal Researcher Medical Innovation Foundation
2009 - 2011	Soohwan Oh, MS	Graduate Student UCSD
2009 - 2015	Samad Amini-Bavil-Olyaei, PhD	Scientist Amgen
2009 - 2011	Chul-Su Yang, PhD	Assistant Professor Hanyang University
2009 - 2011	Chan-Ki Min, MS	Graduate Student SNU
2009 - 2010	Ayesha Bhatia, BS	Graduate Student USC Medical School
2009 - 2014	Kevin Brulois, BS	Postdoctoral fellow Stanford Medical School

2010 - 2014	Mary Rogers, PhD	Scientist Abbott
2010 -2012	Lindsey Silva, PhD	Scientist Genetech
2010 - 2011	Cheol-Hee Yeon, PhD	Postdoctoral fellow
2011 - 2013	Nicole Orazio, PhD	Field Scientist Bio-Rad
2011 - 2011	Hye Won Lee, MD	Clinician Samsung Hospital
2011 - 2011	So-Shin Ahn, PhD	Postdoctoral fellow
2011 - 2012	Jun Han Lee, DVM/PhD	Postdoctoral fellow Wisconsin Med College
2013 - 2014	Chiao-Wen Yang, PhD	Scientist Genetech
2013 - 2014	Hyelim Cho, PhD	Scientist Novartis
2008 - 2016	Zsolt Toth, PhD	Assistant Professor University of Florida-Gainesville
2012 - 2016	Priyanka Sivadas, PhD	Postdoctoral fellow USC Medical School
2015 - 2016	Betti Papp, PhD	Assistant Professor University of Florida-Gainesville
2006 - 2016	Hye-Ra Lee, PhD	Assistant Professor Korea University
2012 - 2016	Qiming Liang, PhD	Assistant Professor Shanghai Immunology Institute

CURRENT TRAINEES

Period	Name	Current position
2012	Youn Jung Choi, BS	Graduate student USC Medical School
2012	Jianning Ge, PhD	Postdoctoral fellow USC Medical School
2013	Sumanth Pudupakam, PhD	Postdoctoral fellow USC Medical School
2013	James Bowman, BS	Graduate student USC Medical School
2013	Gil Ju Seo, PhD	Postdoctoral fellow USC Medical School
2013	Younho Choi, PhD	Postdoctoral fellow USC Medical School
2014	Yue Zhang, BS	Graduate Student USC Medical School
2014	Lin-Chun Chang, PhD	Postdoctoral fellow USC Medical School
2015	Ji Seung Yoo, PhD	Postdoctoral fellow USC Medical School
2015	Un Yung Choi, PhD	Postdoctoral fellow USC Medical School
2015	Jong Gyu Lim, PhD	Postdoctoral fellow USC Medical School

2015	Jianxiong Zeng, PhD	Postdoctoral fellow USC Medical School
2015	Angela Park, BS	Graduate student USC Medical School
2015	Jonas Lanfer, BS	Visiting graduate Student USC Medical School
2016	Javier Chen, PhD	Postdoctoral fellow USC Medical School
2016	Jolin Foo, PhD	Postdoctoral fellow USC Medical School
2016	Woo-Jin Shin, PhD	Postdoctoral fellow USC Medical School
2016	Huan Yan, PhD	Postdoctoral fellow USC Medical School
2016	Ella Sklan, PhD	Sabbatical USC Medical School
2016	Ahrim Lee/Gilok Shin/Seung Lee	Pharmacy students USC Medical School
2016	Grace Lee, BS	Graduate Student USC Medical School
2016	Stephanie Kim, BS	Graduate Student USC Medical School

2. Regional, National, or International contributions (since 2010)

2010	Arnold and Mabel Beckman Conference, Irvine, CA
2010	Immunology and Virology Program, UMass Medical School, MA
2010	Autophagy Gordon conference, Lucca, Italy
2010	Plenary lecture, NEBS annual symposium, Boston, MA
2010	Johns Hopkins Human Cancer Virus Symposium, Johns Hopkins
2010	International Symposium of the Sapporo Cancer Seminar, Sapporo, Japan
2010	NHP model workshop, NIH, Bethesda, MA
2010	Virology symposium, Korean Molecular Biology meeting, Seoul Korea
2010	Molecular Microbiology and Microbial Pathogenesis Program, Washington University in St. Louis.
2010	Cell Biology Program, Memorial Sloan-Kettering Cancer Center, NY
2010	Microbiology Department, Mt Sinai Medical School, NY
2010	Annual Moving Targets Symposium, USC Pharmacy, Los Angeles
2010	Immunology Program, UCLA medical school
2011	Pharmacy Program, USC Pharmacy College
2011	Viral Host Cell Manipulation workshop, Bamberg Germany
2011	Gene expression workshop, Munich Germany
2011	Microbiology and Immunology Department, Northwestern Med Sch.
2011	Molecular Biology Group, USC
2011	Epigenetic modification workshop, NIDCR, NIH
2011	BLSA conference, Johns Hopkins, Baltimore
2011	Viral Host Cell Manipulation, Bamberg Germany
2011	Gene expression, Munich Germany
2012	Microbiology and Immunology Department, Harvard Med Sch.
2012	Infection and Inflammation, Boston University
2012	Microbial Pathogenesis, Genentech,

2012 Gordon conference, Autophagy, Ventura, CA
2012 Autophagy Symposium, City of Hope, CA
2012 Keystone symposium, Viral Immunity and Host Gene Influence, Keystone, Co
2012 Annual Korean Vaccine meeting, Seoul, Korea
2012 Immunology symposium, POSTECH, Pohang, Korea
2012 Annual Korean Microbiology meeting, Seoul, Korea
2012 Chromatin control of viral infection workshop, Bethesda, NIH
2012 6th International symposium on autophagy, Bankoku Shinryokan, Japan
2013 Microbiology seminar, University of Washington-Seattle
2013 Surgery seminar, University of Florida-Gainesville
2013 Microbiology seminar, University of Florida-Gainesville
2013 Samsung Research Institute, Seoul Korea
2013 Microbiology Department, Seoul National University School of Medicine, Seoul Korea
2013 Cleveland Clinic Lerner Research Institute, Cleveland, OH
2013 Case Western School, Dental School, Cleveland, OH
2013 Infectious Division, Utah Medical School, UT
2013 Microbiology Department, Icahn Medical School at Mt Sinai
2013 KAIST Life Science Department, Deajeon Korea
2013 Inflammation and Infection Symposium, Korea
2013 GRK1071 retreat, Lenggries, Germany
2014 International Symposium of Cell Response to Viral Infection. Salamanca, Spain
2014 Biology Department, University of Saskatchewan, Canada
2014 Ultra meeting, Seoul Korea
2014 Department of Biology, SNU, Seoul Korea
2014 KAST Science Pioneer meeting, Pasadena, CA
2014 Plenary lecture at Hepatitis B virus annual meeting, UCLA, CA
2014 Department of Microbiology, University of Pennsylvania
2014 Chromatin Control of Viral Infection Workshop, NIH, Washington DC
2014 Institute of Pasteur-Shanghai, China
2014 3rd ASM Viral Manipulation of Nuclear Processes, Washington DC
2014 Annual Korean Immunology meeting, Seoul, Korea
2014 Microbiology Department, Chungnam University Medical School. Korea
2015 Department of Microbiology, University of Chicago
2015 Mechanisms of Pro-Inflammatory Diseases, Keystone Symposium, Olympic Valley, CA
2015 Department of Microbiology and Molecular Genetics, University of Pittsburgh School of Medicine
2015 Microbiology and Immunobiology Department, Harvard Med School
2015 Department of Cell Biology, University of Miami
2015 30th Celebration Symposium KRIBB, Dejeon, Korea
2015 Chronic Infection Symposium at German institution of a Collaborative Research Centre, University of Hanover, Germany
2015 Virus and Cell Gordon Conference, Girona, Spain
2015 40th International Herpesvirus Workshop, Boise, Idaho
2015 2nd SFB796 Center Grant Symposium, Erlangen, Germany
2016 US-Japan Virus Meeting, Washington DC
2016 Keystone Meeting on Nucleic acid sensing pathway, Dresden, Germany
2016 Symposium on Arbovirus Research, Osung, Korean NIH

2016	Department of Medical Microbiology and Immunology, University of Toledo Health Science Campus, OH
2016	KIA meeting, KAIST Dejeon, Korea
2016	Cold Spring Harbor Asia conference, Suzhou Dushu Lake Conference Center in Suzhou, China
2016	2016 World Life Science Conference, Beijing, China
2016	Sanford Burham Institute, San Diego CA
2016	Keystone Meeting on Cellular Stress Responses and Infectious Agents, Santa Fe, New Mexico.
2017	Keystone Meeting on Type I Interferon: Friend and Foe Alike, Banff, Alberta Canada.
2017	Virus and Cell Gordon Conference, Ciocco, Italy
2017	Microbiology, University of Toledo College of Medicine, Toledo, OH
2017	International Conference of Women Scientists and Engineers, Seoul Korea
2017	Microbiology Department, Medical College of Wisconsin, Milwaukee, WI

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