

CURRICULUM VITAE

NAME: Jerome Hahn Kim, MD, FACP, FIDSA

CURRENT POSITION

Director-General
International Vaccine Institute
Seoul, Republic of Korea

Adjunct Professor of Medicine
Department of Medicine
Uniformed Services University of the Health Sciences

Adjunct Professor, Graduate School of Public Health
Seoul National University

Visiting Professor, Department of Global Health Security, Graduate
School of Public Health, Yonsei University

CURRENT ADDRESS

WORK International Vaccine Institute
SNU Research Park, 1 Gwanak-ro,
Gwanak-gu, Seoul, 08826 Korea

EDUCATION

1977-1980 Bachelor of Arts with highest honors in Biology and
high honors in History, University of Hawaii, Manoa
1980-1984 Doctor of Medicine, Yale University School of
Medicine, New Haven, Connecticut

POST-GRADUATE TRAINING

Residency (Internal Medicine)

1984-1985 Intern-in-Medicine, Department of Medicine, Duke University
Medical Center, Durham, North Carolina
1985-1986 Junior Assistant Resident, Department of Medicine, Duke
University Medical Center, Durham, North Carolina
1986-1987 Senior Assistant Resident, Department of Medicine, Duke
University Medical Center, Durham, North Carolina

Fellowship (Infectious Diseases)

1987-1989 Fellow in Infectious Diseases, Division of Infectious Diseases,
Department of Medicine, Duke University Medical Center, Durham,
North Carolina

FACULTY APPOINTMENTS AND PROFESSIONAL HISTORY

- 1990-1991 Associate in Medicine, Division of Infectious Diseases, Department of Medicine, Duke University Medical Center, Durham, North Carolina
- 1991-1996 Assistant Professor of Medicine, Department of Medicine, Uniformed Services University of the Health Sciences, Bethesda, Maryland
- 1992-2004 Consultant, Infectious Disease Service, Department of Medicine, Walter Reed Army Medical Center, Washington, District of Columbia
- 1994-1996 Attending Physician, Department of Medicine, National Naval Medical Center, Bethesda, Maryland
- 1995 Chief, Infectious Diseases Services, 6th Air Transportable Hospital, Guantanamo Bay, Cuba
- 1995-1996 Chief, Cellular Immunology Laboratory, Dept of Retroviral Research, Division of Retrovirology, WRAIR
- 1995-1997 Assistant Professor, Institute of Human Virology, University of Maryland Biotechnology Institute, Baltimore, Maryland
- 1996-1997 Medical Director, Evelyn Jordan Center; Institute of Human Virology, Baltimore, Maryland
- 1997-2000 Chief, Section of Virology (Neutralizing Antibody), Dept of HIV Vaccine Research, WRAIR
- 1997-2002 Assistant Professor of Microbiology and Immunology, University of Maryland School of Medicine, Baltimore, Maryland
- 1997-2002 Assistant Professor of Medicine, University of Maryland School of Medicine, Baltimore, Maryland
- 2000-2002 Assistant Chief, Department of HIV Vaccine Development, Division of Retrovirology, Walter Reed Army Institute of Research
- 2002-2004 Associate Professor, Department of Medicine, Uniformed Services University of the Health Sciences
- 2002-2004 Infectious Diseases Service, Dept of Medicine, Tripler Army Medical Center
- 2002-2004 Chief, Biomedical Research Service, Tripler Army Medical Center
- 2004-2008 Chief, Department of Retrovirology, USAMC-AFRIMS, Bangkok, Thailand
- 2002-2012 Associate Clinical Professor, Dept of Medicine, John A. Burns School of Medicine, University of Hawaii
- 2009 - 2013 Associate Professor of Medicine, Uniformed Services University of the Health Sciences
- 2012 Battalion Surgeon, 125th Brigade Support Battalion, 3d Brigade Combat Team, 1st Armored Division, Operation Enduring Freedom
- 2013-2014 Acting Director, US Military HIV Research Program (Jul 13 – Jan 14), Walter Reed Army Institute of Research (WRAIR)
- 2008-2010 Deputy Director, Science, US Military HIV Research Program, WRAIR
- 2009-2015 Chief, Department of Molecular Virology and Pathogenesis, US Military HIV Research Program, WRAIR
- 2010-2015 Principal Deputy, US Military HIV Research Program, WRAIR

2010-2015	Project Manager, HIV Vaccines, US Military HIV Research Program, WRAIR
2011-2015	Project Manager, Advanced Concepts Evaluation and Staging, US Army Medical Materiel Development Activity (USAMMDA)
2013-2016	Professor of Medicine, Uniformed Services University of the Health Sciences
2016-	Adjunct Professor of Medicine, Uniformed Services University of the Health Sciences
2015-	Adjunct Professor, Graduate School of Public Health, Seoul National University
2017-2019	Visiting Professor, Dept of Global Health Security, Graduate School of Public Health, Yonsei University

GRANT SUPPORT

1988-1991	Pfizer Postdoctoral Fellowship, 3 year total costs, \$90,000
1989-2000	Principal Investigator, Physician-Scientist Award, NIAID AI00950, 5 year total direct cost \$365,000 (on hold, 1991-1996)
2003-2004	Director, Joint Asia-Pacific HIV/AIDS Prevention Program, Naval Health Research Center, \$550,000, 10/1/02 - 9/30/04
2003-2004	Bioengineered Human Cornea (Principal Investigator), Pacific Telehealth and Technology Hui, \$2,650,000 . 10/1/02 - 9/30/05
2003-2006	Activity Leader, Hawaii HIV Immunology and Vaccine Core Activity, 10/1/03 - 9/30/06, NCCR 3G12 RR003061-18S1; 3 year total direct cost \$1,272,710.
2008-2010	Principal Investigator, Project 2 Molecular Platforms for Vaccine Development, NIAID Y1-AI-2642-11, \$1,014,375 per annum.
2009-2011	Principal Investigator, Full length genome sequencing and analysis, NIAID, \$350,000 per annum.
2008-2011	Principal Investigator, HIV-1 neutralization serotype discovery project (NSDP), Activity 8d, Bill and Melinda Gates Foundation, \$668,275 per annum.
2008-2011	Principal investigator, HIV-1 NSDP PBMC Assay Standardization Activity 11b, Bill and Melinda Gates Foundation, \$210,000 per annum.
2010-2012	Principal investigator, RV144 Sieve analysis (Y1-AI-2642-11)
2010-2012	Subaward 0000683321, J. McElrath PI, Viral sequencing Step project 2, 5U01 AI068618-04
2011-2014	Principal investigator, MIDRP H0138-10, Molecular virology and host genetics core
2011-2014	Scientific Director on the Gates Foundation CAVD grant (1031734) "Harnessing antibody-mucus interactions to prevent HIV transmission" total \$431,109
2011-2014	Co-investigator, Gates Foundation (Haynes) CAVD award "B cell Lineage Envelope Immunogen Design from RV144 Antibodies".
2011-2015	Activity lead/PI, RV217 – viral and host genetics, "Diversity and evolution of HIV-1 in the setting of multiple subtypes from the clinical

	eclipse phase through six months post-infection and the effect of host genetic diversity on acute infection", total 2012 \$3,870,361; 2013 \$4,093,520; 2014 \$4,214,003 (est).
2013-2014	Subaward 785873, 5UM1 AI068618-07, HVTN505 Breakthrough Genome Sequencing, \$395,387.
2015-2018	OPP1141288, Bill and Melinda Gates Foundation, International Vaccine Institute Capacity Building: Realignment and Transformation \$4.3M
2016-2019	Samsung Family Life Foundation, MERS vaccine development, Vaccine 1; \$9,506,000.
2017-2022	Subaward, 1R01AI135720-01, Optimization and preclinical development of a TB Multiple Antigen Presenting System (MAPS) vaccine, \$5.9M

CERTIFICATIONS

North Carolina Board of Medical Examiners, 1987, (License #31316)
 Maryland Board of Physician Quality Assurance, 1996 (License #D50214)
 Diplomate, American Board of Internal Medicine, 1987
 Diplomate, Infectious Diseases, American Board of Medical Specialties, 1990, 2001 (recertification)
 Level I – III Defense Acquisition Certificate for Science and Technology
 Member, Army Acquisition Corps

BOARDS AND ADVISORY GROUPS

2012 – present	Co-chair, IAVI Scientific Review Board
2015	Ad hoc member Board of Scientific Counselors, National Institute of Allergy and Infectious Diseases
2017 – present	Vaccitech SAB
2018 – present	Global HIV Vaccine Enterprise, SAB
2018 – present	Product Development Vaccine Advisory Committee, WHO

PATENTS

Method for Measuring Tumor Suppressor Gene P53; Patent No 6,110,671; issued 29 Aug 00, WRAIR 96-31

Tartaglia JT, S Gurunathan, JH Kim, D Francis. (2012). Immunological Compositions for HIV, US Patent 20,120,308,593.

Tartaglia JT, Gurunathan S, Kim JH, Francis D, Rerks-Ngarm S.. (2012). IMMUNOLOGICAL COMPOSITIONS FOR HIV, EP Patent 2,477,651.

Kim J, Harrison S, Tomaras G, Haynes B, Michael N. N-terminal deleted gp120 Immunogens: EFS ID 13182848; Intl PCT/US12/45530 (prior claims: 61/457,906 & 61/529,137 from 5 July 11 and 30 Aug 11 respectively). PCT/US2012/045530; WO Patent 2,013,006,688.

Haynes BF, Liao HX, Moody MA, Tomaras G, Kim J, Michael N. Herpes Simplex Virus Vaccine, Docket No. WRAIR 12-40: rec'd 29 Jun 12. PCT/US2012/032728; WO Patent 2,012,139,099.

Haynes BF, Liao HX, Moody AM, Tomaras GD, Kim J, Michael N. Herpes Simplex Virus, Docket No. WRAIR 12-41: rec'd 29 Jun 12. PCT/US2012/032743; WO Patent 2,012,139,106.

Haynes BF, G Ferrari, JH Kim, NL Michael. Immunogens, Docket No. WRAIR 12-42: Rec'd 29 Jun 12. WO/2012/141989; WO Patent 2,012,141,989.

Haynes BF, JH Kim, NL Michael, SB Zolla-Pazner. V1V2 Immunogens, Docket No. WRAIR 12-44: WO 2013085550 A2.

Haynes BF, Bonsignori M, Ferrari G, Moody M, Kim J, Michael N, Liao H-X. ADCC Antibodies, Docket No. WRAIR 13-02: Haynes, Barton F.; Bonsignori, Mattia; 26 Oct 2012.

Kim JH, Rolland M, Korber B, Haynes B. Polyvalent HIV-1 Immunogen. WRAIR 13-22. US Provisional 61/812,093. Filed 30 April 2014.

Alving CR, Rao M, Kim J. Methods for Enhancing the Immunostimulation Potency of Aluminum Salt-Adsorbed Vaccines. US Provisional 61/969,905 filed 25 March 2014; PCT/US/14/45940 Filed 9 July 2014.

Tomaka F, Pau MG, Schuitemaker J, Barouch D, Ananworanich J, Robb M, Michael NL, Kim J. Methods for inducing an immune response against human immunodeficiency virus infection in subjects undergoing antiretroviral treatment. US patent 15693650. Publication date 8 March 2018.

Tomaka F, Pau MG, Schuitemaker J, Barouch D, Ananworanich J, Robb M, Michael NL, Kim J. Methods for Inducing an Immune Response Against Human Immunodeficiency Virus Infection in Subjects Undergoing Antiretroviral Treatment. WO 2018/045267 A1.

PROFESSIONAL MILITARY EDUCATION

Health Professions Officer Indoctrination Course, 1981
 Military Indoctrination for Medical Service Officers, 1991
 Air Force Command and Staff College (Correspondence), 1993
 Army Officer Basic Course, Constructive Credit, 2000

DEFENSE ACQUISITIONS TRAINING

ACQ101, ACQ201a (IMAC), ACQ201b, SYS101, CLE045, CLE068, CLE021, STM202, CLM014, STM 303 (Advanced Science and Technology Management, 14-004), TST102 (Test and Evaluation)

Level I – III certification in Science and Technology Management, Defense Acquisition University

MILITARY HISTORY, AWARDS AND DECORATIONS

Colonel, US Army Medical Corps, retired
 Order of Military Medical Merit
 AMEDD "A" Proficiency Designator
 Meritorious Service Medal, 4OLC
 Army Commendation Medal, 1 OLC
 Afghan Campaign Medal
 GWOT Service Medal
 National defense service medal, bronze star

Humanitarian medal
 Air Force longevity award
 Air Force Reserve medal
 Army Service ribbon
 Overseas service ribbon (2)
 Air Force training ribbon
 NATO medal (ISAF)
 Joint meritorious unit award
 Meritorious Unit Commendation
 Army Superior Unit Award IOLC

MAJOR ACADEMIC TASKS

1990-1991 Co-chair, Fellowship selection committee
 1997 Institute of Human Virology Faculty Search committee
 2000-2002 Member, Institutional Biosafety Committee, Walter Reed Army
 Medical Center, Washington, DC
 2003-2004 Scientific Review Committee, Tripler Army Medical Center
 2008-2010 Infectious Diseases IRB, Uniformed Services University of the Health
 Sciences
 2014- Chair, Vietnam-Hawaii AIDS Research Program IRB

PROFESSIONAL MEMBERSHIPS

Member, American Association for the Advancement of Science, 1988
 Fellow, American College of Physicians, 1988
 Member, American Society for Microbiology, 1991
 Fellow, Infectious Diseases Society of America, 1998

HONORS AND AWARDS

Honors Program in Biology and History, University of Hawaii, Manoa, 1977-1980
 Alpha Lambda Delta Honor Society, 1978
 Phi Eta Sigma Honor Society, 1978
 Phi Kappa Phi, 1979
 Phi Beta Kappa, Alpha of Hawaii, 1980
 Library Prize for Pacific Islands Area Research, 1980
 Arthur Lyman Dean Prize in the Humanities, 1980
 Alpha Omega Alpha Honor Medical Society, 1987
 Certificate of Merit, American College of Physicians, 1988
 Speaker, Duke Medical Alumni Invitational Symposium, 1988
 National Foundation for Infectious Diseases Travel Award, 1989
 John Maher Award for Research Excellence, USUHS, 2013
 Department of the Army Research and Development Achievement Award for Technical
 Excellence, 2013

EDITORIAL TASKS: Editor, HIV Protocols, Totowa: Humana Press, 1999.

AD HOC REVIEWER

Reviews of Infectious Diseases
 American Journal of Medicine
 European Journal of Clinical Microbiology and Infectious Diseases
 Clinical Infectious Diseases
 Journal of Human Virology
 Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology
 AIDS Research and Human Retroviruses
 Vaccine
 HIV Clinical Trials
 Journal of Medical Microbiology
 PLoS Pathogens
 Journal of Infection
 Journal of Virology
 Journal of Biomedicine and Biotechnology
 PLoS One
 Journal of Infectious Diseases
 AIDS
 Nature Scientific Reports
 Expert Review of Vaccines
 Science Translational Medicine
 Science
 Lancet
 New England Journal of Medicine

MENTORING ACTIVITIES:

James Lin, MD, MS, Post-doctoral fellow
 Robert McLinden, MS thesis advisor
 Iqbal Chowdhury, Ph.D., Post-doctoral fellow
 Robert McLinden, PhD thesis advisor, University of Hawaii
 Aung Kay Tu; MPH External Examiner, Faculty of Tropical Medicine, Mahidol University
 Wakana Saito, MD; MPH External Examiner, Faculty of Faculty of Tropical Medicine,
 Mahidol University
 Elizabeth Heger, MS candidate, Hood College
 Richard Heipertz, PhD, Post-doctoral fellow