

YUANAN LU

Curriculum Vitae

Addresses**University of Hawaii**

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Education

University of California at Los Angeles	Post doc.	1995-96	Molecular Virology
University of Hawaii at Manoa (UHM)	Post doc.	1993-94	Animal Virology
University of Hawaii at Manoa	Ph.D.	1992	Microbiology
Oregon State University	M.S.	1988	Microbiology
Huazhong Agricultural University	B.S.	1982	Fisheries

Positions

- 2010-20 Chair of International Exchange Program, Office of Public Health Studies, UHM
- 2010- Graduate Faculty Member of Departments of Molecular Biosciences and Bioengineering, UHM
- 2008- Professor and Director, Environmental Health Laboratory, Office of Public Health Studies, UHM
- 05-07 Associate Professor and Director, Environmental Health Laboratory, Department of Public Health Sciences, UHM
- 03-05 Associate Researcher, Pacific Biomedical Research Center, University of Hawaii
- 2003- Graduate Faculty Member of Departments of Cell and Molecular Biology, John A. Burns School of Medicine, UHM
- 2003- Graduate Faculty Member of Departments of Tropic Medicine, Medical Microbiology and Pharmacology, John A. Burns School of Medicine, UHM
- 2002- Founding Member of the Division of Neurosciences, John A. Burns School of Medicine, UHM
- 1999-24 Graduate Faculty Member of Department of Microbiology, UHM
- 97-03 Assistant Researcher, Pacific Biomedical Research Center, UHM
- 95-96 NIMH Fellowship, Division of Hematology-Oncology, School of Medicine, University of California at Los Angeles
- 88-92 Teaching and Research Assistant (Animal Virology), Department of Microbiology, University of Hawaii at Manoa

- 1987 Research Assistant, Department of Microbiology, Oregon State University
 1986 Visiting Scientist, Department of Microbiology, Oregon State University
 82-85 Faculty Lecturer, Department of Fisheries, Huazhong Agricultural University, Wuhan, China

Honors and Awards

- **International Fellowship Award**, State Ministry of Agriculture, Beijing, China (1985)
- **Visiting Scholar**, Department of Microbiology, Oregon State University, Corvallis (1986)
- **The Best Research Paper for Clinical Microbiology Award**, Hawaii Branch, Annual Meeting of the American Society for Microbiology, Honolulu, Hawaii (1991)
- **Research Fellowship of NIMH-NIH**, School of Medicine, UCLA, Los Angeles (1995-1996)
- **Travel Award of Medical Virology Club** (for 3 years), American Society for Virology (1995-1997)
- **Traveling Exhibition Award**, Microscopy Society of America (1998)
- **The 2nd Prize Award in Biological Science**, Microscopy Society of America
- **The 3rd Prize Award**, Diatome U.S., Microscopy Society of America (1998)
- **Visiting Professorship**, Huazhong Agricultural University, Wuhan, China (2001)
- **Award, Honored Chinese Bio-scientist in America** from the National Science Academy Foundation, Beijing, China (2003)
- **Visiting Professorship**, Wuhan University, Wuhan, China (2004-2012)
- **Honored Member of Empire Who's Who** (2006)
- **Visiting Professorship**, Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, China (Since 2006)
- **Faculty Travel Awards** of URC-UHM (for years: 2006, 2007, 2009, and 2012)
- **Visiting Professorship**, Wuhan Institute of Bioengineering, Wuhan, China (2007)
- **Visiting professorship**, Fudan University, Shanghai, China (2009)
- **1st Prize Award for Faculty Division** of the Biological Sciences Symposium, University of Hawaii, Honolulu (2009)
- **APACPH Leadership Achievement Award** from the Asia-Pacific Academic Consortium for Public Health (APACPH). The 43th Annual APACPH Conference, Seoul, Korea (2011)
- **Chair Professorship**, Wuhan University, Wuhan, China (2012-2015)
- **Ganjiang Chair Professorship**, Nanchang University, Nanchang, China (2013-2016)
- **Hubei Governor's Chime Bell Award** for Excellent Contribution of Foreign Experts (2014)
- **Visiting Professorship**, School of Public Health, Fudan University, Shanghai (2016-)
- **Visiting Professorship**, Hubei College of Engineering, Xiaogang, Hubei, China (2016 - 2019)
- **Visiting Professorship**, Nanchang University, Nanchang, China (2017-2022)
- **Visiting Professorship**, Jiangxi University of Traditional Chinese Medicine (2018-2021)
- **Outstanding Reviewer 2020**, *Virologica Sinica* International Journal (Feb 2021).

- **Advisor** of the 21st Century Maritime Cooperation Committee. Fuzhou, China (2022-2027).
- **Excellence in Teaching Award** for University of Hawaii at Manoa - Nominee (AY2022-2023)
- **Sigma XI member nomination** of Sigma Honor Society (2-2024)
- **Visiting Professor** of National Intelligence and Talent Attraction Base. Shaanxi Provincial People's Hospital. Xian, Shaanxi (June 2025).
- **Excellence for the People** Lecture Award, School of Public Health - the West China Fourth Hospital of Sichuan University (June 2025)

Professional Societies/Organization

- Full Member, American Society for Microbiology (1989 - 2010)
- Full Member, American Society for Virology (1991 – 2021)
- Member, American Association for the Advancement of Science (1995 -)
- Active Member, American Association for Cancer Research (1994 - 2002)
- Sustaining Member of ASM-Hawaii (1997 – now)
- Member, Society of Chinese Bio-scientists in America (2000 -)
- Member, International Society for NeuroVirology (2005 - 2016)
- Member of Hawaii Public Health Association (2006 - 2010)
- Lifetime member of Hawaii Public Health Association (since 2011)
- Executive member, UH Hawaii – China Public Health Foundation (2005 -)
- Executive board, Asia Pacific Academic Consortium for Public Health (2015 -)
- Regional Director, Asia Pacific Academic Consortium for Public Health (2016 -)

Professional Services

Journal reviews

AIDS Research and Human Retroviruses
Applied and Environmental Microbiology
Applied Microbiology and Biotechnology
Aquaculture
Aquaculture Review
Cancer Immunology Immunotherapy
Cancer letters
Chelonian Conservation and Biology
Chemosphere
Diseases of Aquatic Organisms
Environment International
Environmental Monitoring and Assessment
Environmental Pollution
Environmental Science & Technology
Environmental Toxicology
Fish Diseases

Fish & Shellfish Immunology
Frontier in Public Health
Infection, Genetics and Evolution
International Health
International Journal of Zhengjiang University Sciences-B
Journal of Applied Microbiology
Journal of Applied Toxicology
Journal of Aquatic Animal Health
Journal of Fish Biology
Journal of Medical Virology
Journal of Neuroinflammation
Journal of Neuroscience Research
Journal of Vaccine
Journal of Virological Methods
Journal of Virology
Journal of World Aquaculture Society
Marine Drugs
Marine Environmental Research
Medical Science Monitor
Molecular Basis of Disease
PLoS ONE
PLOS – Pathogens
The Science of the Total Environment
Toxics
Virologica Sinica
Virology Journal
Virus Research
Water Research

Textbook Reviews

- Friis, Robert F (2012) *Essentials of Environmental Health (2nd edition)*. Jones & Bartlett Learning, Sudbury, MA.
- Member of *The 1st Review Committee* for the National College Textbook on Global Health Global Health Specialization in Wuhan. October 2013.
- Richards, Ira S & Bourgeois Marie (2014). *Principles and Practice of Toxicology in Public Health (2nd edition)*. Under consideration by Taylor and Francis. Jones & Bartlett Learning, Burlington, MA.
- Turnock, Bernard J. (2016). *Essentials of Public Health (3rd edition)*. Jones & Bartlett Learning, Burlington, MA.
- Jeffrey C. Pommerville (2017). *Fundamentals of Microbiology (11th edition)*. Jones & Bartlett Learning, Burlington, MA.

- Friis, Robert F. (2018) *Essentials of Environmental Health* (3rd edition). Jones & Bartlett Learning, Burlington, MA
- Nadakavukaren A & Caravanos J (2022). *Our Global Environment – A Health Perspective* (8th edition). Waveland Press
- Ehrlich HL Newman DK & Kappler A (2024). *Ehrlich's Geomicrobiology* (6th edition). CRC Press.

Grant Reviews

U.S. Civilian Research & Development Foundation (CRDF) (2004)

- U.S. Department of Agriculture (USDA), U.S. Department of State (USDS) (2006)
- U.S. NSF Review Panel for Phase I SBIR - Marine Biotechnology (2007)
- U.S. NSF Review Panel for Phase I SBIR - Marine/Aquatic Biotechnology (2009)
- U.S. NSF Review Panel for Phase I SBIR - Diagnostic Assays and Devices (2009)
- U.S. NSF Review Panel for Phase I SBIR – Aquaculture (2010)
- U.S. NSF Review Panel for Phase I SBIR - Marine Biotechnology (2010)
- U.S. NSF Review Panel for SBIR/STTR – Biotechnology & Chemical Technologies (2011)
- U.S. NSF SBIR/STTR Phase I – Marine Biotechnology (2012)
- USDA SBIR – Aquaculture (2013)
- China NSF grant review (2014)
- NSF Key Projects Review– Biological and Biomedical Sciences
- China NSF grant Review (2015)
- UHM COBRE grant Review (2015)
- UHM COBRE grant Review (2016)
- UHM RCMI grant Review (2022)

Journal Editor Board (active)

- Editor Board of the *Journal of Zhejiang University Sciences-B* (since 2004)
- Editor Board of the *Diseases of Aquatic Organisms* (since 2006)
- Editor Board of the *World Journal of Virology* (2010-2018)
- Editor Board and Associate Editor of *Global Health Journal* (2013 – 2016)
- Editor Board of *Virologica Sinica* (since 2014)
- Editor Board of *Macrophage* journal (since 2014)
- Editor Board of *Austin Journal of Public Health and Epidemiology* (since 2014)
- Editor Board of *Environmental Diseases* (since 2016)
- Editor Board of *The Scientific Pages of Vaccine* (since 2016)
- Editor Board of *Global Health Research and Policy* (since 2016)
- Editor Board of *Marine Drugs* (since 2016)

National/International Conference Service

- **Judge** for the WAS 2009, Mexico
- **Chair** for Shrimp Marine Biotechnology session of WAS 2009, Mexico
- **Reviewer** for the RCMI 2009 Conference Abstracts
- **Chair** for the *Health Behavior* of the 41st APACPH Conference, 2009, Taiwan
- **Judge** for the WAS 2010, Seattle, WA
- **Chair** for the Re-Emerging Diseases-I of 42nd APACPH Conference, Bali, Indonesia, Nov 2010
- **Chair** for the Re-Emerging Diseases-II of 42nd APACPH Conference, Bali, Indonesia, Nov 2010
- **Co-Chair** for the World Vaccine 2011 Conference (WV2011), Beijing, March 2011.
- **Chair** for Environmental Health of the 43rd APACPH Conference, Seoul, Oct 2011.
- **Chair** for Environmental Health of the 44th APACPH Conference, Colombo, Oct 2012
- **Judge** for the 2012 American Medical Association (AMA) Conference, Hawaii, Nov 2012
- **Chair** for NauroAIDS Therapy of the 5th World Conference of Vaccine, Hangzhou, March 2013.
- **Chair** for Environmental Health Session of 45th APACPH annual conference, Wuhan, October 2013.
- **Member** of the National Review Committee for Higher Medical Teaching Materials for Global Health Specialization, the People's Health Publisher. Oct 2013, Wuhan.
- **Chair** for the Session of Emergence, Replication, and Pathogenesis of RNA Viruses, the 6th International Symposium on Modern Virology Conference. Wuhan, Oct 23-25, 2015.
- **Chair** of Organization Committee for the 2016 UHM-Fudan Public Health Summit, Honolulu, Hawaii, September 26-28, 2016.
- **Reviewer** for abstracts submitted to 50th APACPH 2018 conference.
- **Chair** of Digital Technology and COVID-19 Pandemic. 51st Meeting of APACPH conference. December 8-9, 2020.
- **Track Chair** for Health Sciences of Hawaii International Conference on Chinese Studies. Honolulu, Hawaii. January 3-4, 2022.
- **Track Chair** for Health Sciences of Hawaii International Conference on Chinese Studies. Honolulu, Hawaii. January 3-5, 2023.
- **Judge** for the annual Biological Symposium of JABSOM, 2023.
- **Chair** of Disease Protection Session, 54th APACPH conference, Kuching Malaysia, Oct 18-22, 2023
- **Judge** for Session Disease Protection, 54th APACPH conference, Kuching Malaysia, Oct 18-22, 2023.
- **Track Chair** for Health Sciences of Hawaii International Conference on Chinese Studies. Honolulu, Hawaii. January 8-10, 2024.
- **Reviewer** for the 55th APACPH conference Abstracts, Chiang Rai, Thailand. November 4-7, 2025.

International Conference Organization/Speech

- **Organization Committee** of 43rd APACPH conference, Seoul, October 2011.
- **Symposium Speaker** at 43rd APACPH conference, *New Indicators for Water Quality Monitoring*, Seoul, October 2011.
- **Organization Committee** of the 44th APACPH Conference, Colombo, Sri Lanka, Oct 2012.
- **Organization Committee** of 18th Society on Neuroimmune Pharmacology, Honolulu, Nov 2012.
- **Organization Committee** (Co-chair) for the 45th APACPH conference, Wuhan, China, October 2013.
- **Organization Committee** for 11th Annual Meeting of Chinese Society for Virology and the 6th International Symposium on Modern Virology Conference. Wuhan, 2015.
- **Conference Speaker** at International Symposium on Global Health Research and Policy - Wuhan. *Water Scarcity on Global Health – Challenges and Prospective*. Wuhan, China, October 2016.
- **Organization Committee** of the 49th APACPH Conference, Incheon, Korea, August 2017.
- **Conference Speaker** of International Health Strategic Planning Conference - Shanghai. *Global Health Education and Research in Hawaii*. Shanghai, China. October 2017.
- **Symposium Speaker** at 50th APACPH conference, *HIV and TB co-infection – current trend and global health impact*, Malaysia, September 2018.

Community Services

- Judge**, Hawaii State Sciences and Engineering Fairs (2000)
- Secretary**, American Society for Microbiology - Hawaii Branch (1999-2000)
- President** American Society for Microbiology – Hawaii Branch (2000-2001)
- Judge** American Society for Microbiology-HI Branch Spring Meeting (2002-2003)
- President** American Society for Microbiology – Hawaii Branch (2003-2004)
- Judge** Hawaii State Sciences and Engineering Fair (2004)
- Senator** University of Hawaii at Manoa Faculty Senator (2003-2005)
- Director** Environmental Health Laboratory (2005-2017)
- Member** Public Health Sciences Student Affairs Committee (2005-2006)
 Public Health Sciences Accreditation Committee (2005-2006)
 Public Health Sciences Curriculum Committee (2005-2006)
 Public Health Sciences Curriculum Committee (2007-2008)
 Public Health Sciences Budget Committee (Chair) (2005-2008)
 UHM-IGERT curriculum Committee (2006-2008)
 DPHS Search Committee for Environmental Health Faculty (2007)
- Head** Environmental Health Program (2007)

- Member** DTMMMP Faculty Search Committee – Virologist position (2008)
Public Health Sciences Personal Committee (Chair) (2008-2009)
- Member** Public Health Sciences Infrastructural Committee (2008)
DTMMMP Personal Committee (DPC), JABSOM (2009-2012)
Public Health Sciences Search Committee – Epidemiologist position (2009)
UHM TPRC Committee (2009)
UHM IBC Committee (2009-2014)
Public Health Sciences Budget Committee (Chair) (2009-2013)
- Member** Public Health Sciences Personal Committee (2009-2015)
UHM DTMMMP search committee for Animal Pathologist (2010-2011)
UHM WRRC search committee for Marine Microbiologist (2010-2011)
UHM TPRC Committee (2012)
UHM IBC committee (2013)
DPHS search committee – Environmental Health, Biostatistics, and Health Policy and Management (2013)
- Chair** DPHS International Exchange Committee (Chair) (2013-2014)
- Member** DPHS Personal Committee (DPC) (2014)
UHM Institutional Biosafety Committee (2014)
DPHS search committee for ATP (2014)
- Member** UHM Institutional Biosafety Committee (2015)
UHM Institutional Review Entity (IRE) committee (2015)
Institutional Review Entity (2015)
- Chair** OPHS International Committee (Chair) (2015)
OPHS International Committee (Chair) (2016)
- Advisor** Waipahu High School Student Research (2015-16)
- Member** UHM Institutional Biosafety Committee (2016)
SSW Tenure and Promotion Committee (2016)
Institutional Review Entity (2016)
Executive Council (EC) member of APACPH (2016)
Reginal Director (USA) of APACPH (2016)
- Chair** OPHS International Exchange Committee (2016)
- Chair** UHM TPRC Committee (2016-2017)
- Member** UHM Institutional Review Entity (2017)
UHM Institutional Biosafety Committee (2017)
EC member of APACPH (2017)
Reginal Director (USA) of APACPH (2017)
- Judge** Iolani Speech Tournament (2017)
DPHS search committee – Biostatistician (2017-2018)
- Chair** Regional SRC chair for the Windward Science Fair (2018)
- Member** UHM Institutional Biosafety Committee (2018)
UHM DPHS Personal Committee (2018)

- Hawaii State Emergence Response Council (2018)
 UHM Institutional Review Entity (2018)
 EC member of APACPH (2018)
 Reginal Director (USA) of APACPH (2018)
- Chair** International Committee (2018)
- Judge** McKinley High School Science Fair (2018)
 Sacred Hearts Academy Speech Festival (2018)
- Chair** International Committee, OPHS (2019)
- Member** UHM Institutional Biosafety Committee (2019)
 UHM Institutional Review Entity (2019)
 EC member of APACPH (2019)
 Reginal Director (USA) of APACPH (2019)
 Hawaii State Emergence Response Council (2019)
- Chair** International Committee, OPHS (2020)
- Member** UHM Institutional Biosafety Committee (2020)
 UHM Institutional Review Entity (2020)
 DPC and Evaluation Committee member of OPHS (2020)
 TPCR member of UHM (2020)
 EC member of APACPH (2020)
 Reginal Director (USA) of APACPH (2020)
 Hawaii State Emergence Response Council (2020)
- Member** UHM Institutional Biosafety Committee (2021)
 UHM Institutional Review Entity (2021)
 EC member of APACPH (2021)
 SAC, DPC and EC members of Thomason School of Social Work and Public Health (TSSWPH)
 Reginal Director (USA) of APACPH (2021)
 DPC committee of Natural Science School (2021)
- Rep** UH Scholar Rep for Hawaii State Emergence Response Council (2021, 2022, 2023, 2024)
- Member** UHM Institutional Biosafety Committee (2022, 2023, 2024)
 UHM Institutional Review Entity (2022, 2023, 2024)
 EC member of APACPH (2022, 2023, 2024)
 SAC, DPC and EC members of Thomason School of Social Work and Public Health (TSSWPH) (2022)
 OPHS Faculty Search Committee (2022)
 Nursing School of faculty Search Committee (2021, 2022)
- Director** Reginal Director (USA) of APACPH (2022, 2023, 2024)
- Chair** OPHS Personal Committee for tenure and promotion (2022)
- Judge** Annual Biomed Symposium of UHM JABSOM (April 18, 2022)
- Moderator** Hawaii International Conference on Chinese Studies HICCS 2023 (Jan 4, 2023)

- Judge** Annual Biomedical Sciences Symposium of University of Hawaii at Manoa. April 20, 2023.
- Chair** 54th Asia-Pacific Academic Consortium for Public Health conference - Disease Protection Section. Kuching, Malaysia. October 31, 2023.
- Judge** 54th Asia-Pacific Academic Consortium for Public Health conference -Poster Presentation Section. Kuching, Malaysia. October 31, 2023
- Member** SAC and EC members of Thomason School of Social Work and Public Health (TSSWPH) (2023, 2024)
Hawaii State Emergence Response Council (2022, 2023, 2024)
OPHS Faculty Search Committee (2024)
- Chair** DPHS Search Committee for Infectious Disease Epidemiology faculty. 2024-2025.
- Member** DPHS Search Committees for Epidemiology positions (I2 and F3) and Environmental Health position. 2024-2025.
- Director** Regional Director (USA) of APACPH (2025)
- Rep** UH Scholar Rep for Hawaii State Emergence Response Council (2025)
- Member** UHM Institutional Biosafety Committee (2025)
UHM Institutional Review Entity (2025)
EC member of APACPH (2025)
TSSWPH SAC, IC and EC committees (2025)

Record of Research Funds

Funding Agency	Amount	Duration
China NSF Title: Distribution characteristics and environmental behavior of typical lake pathogenic microorganisms in China Role: Co-PI (PI: Xu QJ)	¥800,000	09/1/16-8/31/2019
Nanchang University Title: Gainjiang Scholarship fund for Environmental Health Research. Role: PI (Y Lu)	¥200,000	01/01/16-12/31/18
2015BDH8008 Jiangxi ST Title: Explore the use of enteric viruses as bio-indicator to monitor Boyanghu Water quality and assess aquatic risk of biologic diseases Role: Co-PI (PI: ZK Yuan)	¥250,000	07/01/15-12/31/2017
4501286 Hawaii Community Foundation Title: Human enteric viruses – effective recovery and detection from environmental waters and their potential as a new indicator for monitoring Hawaii water quality. Role: PI (Y Lu)	\$50,000	07/1/14-10/31/2016
MH079717 (R01)	\$1,744,650	07/1/09-12/31/2015

NIMH, NIH
Title: Modeling Monocytes and Macrophages Based Gene Therapy for NeuroAIDS.
 Role: PI (Y Lu)

386230 \$60,000 09/01/10-12/31/14
 UHM-RTRF
Title: Development of Transgenic Shrimp Strains with Viral Resistance.
 Role: PI (Y Lu)

11ADVC-4 \$48,020 08/18/11-12/31/2013
 Hawaii Community Foundation
Title: New drugs from the sea: screening microbial extracts from Hawaiian water for anti-respiratory viral therapy.
 Role: PI (Y Lu)

OCE09-11000 \$385,500 06/1/09-05/31/2012
 NSF
 OHH-PRCMB (PI: E Laws & G Ostrander)
Title: Establishment of PCR array for Quantitative Detection of Multiple Pathogens and Pathogen Indicators from Tropic/Subtropic Coastal Waters
 Role: PI & Pathogen team Leader

R/AQ-86PD \$27,273 7/1/10-6/30/12
 UH Sea Grant College Program
Title: Shrimp Promoter Mediated Transgene Expression in Primary Shrimp Cell Cultures in vitro.
 Role: PI (Y Lu)

NSF 0549514 \$2,599,415 7/1/06-6/30/2012
 NSF/NIH
Title: IGERT: Integrative Training in Ecology, Conservation and Pathogen Biology.
 Role: Co-Investigator & Head of training lab (PI: B. Wilcox)

397248 \$25,000 11/16/07-06/30/10
 UH-CTSFB
Title: Modeling Monocyte-derived Macrophage-Based Gene Therapy for NeuroAIDS.
 Role: PI (Y Lu)

438824 49,090 1/01/08-9/30/09
 HCF
Title: Development and *in Vitro* Validation of scFv Directed against HIV-1 Tat – A Novel Neuroprotective Approach for NeuroAIDS
 Role: PI (Y Lu)

2U54 NS039406 \$10,107,025 9/1/04-8/31/09
 NIH/NINDS (total cost)
 Role: Collaborator (PI: J. Spiess)
Title: Specialized Neurosciences Research Programs at Minority Research Institutes, National Institute of Neurological Disorders and Stroke.

438492 \$50,000 7/1/07-3/31/09

Hawaii Community Foundation

Title: Establishment of Lentiviral Vector Mediated Transduction and Expression of a Potential Neuro-protective Factor in Mouse Monocytes and Macrophages.

Role: PI (Y Lu)

Pilot Project 658052 \$95,000 1/1/07-5/31/09

NSF/NIEHS

OHH-PRCMB (PI: E Laws & G Ostrander)

Title: Isolation and characterization of marine antiviral compounds extracted from marine microorganisms.

Role: PI (Y Lu)

China 948 project ¥800,000 7/1/05-6/30/08

State Department of Education

Title: Establishment of Marine Animal Cell Culture Center

Role: PI (Y Lu)

xxxxxxx \$49,090 11/01/06-12/31/08

HCF

Title: Development and *in Vitro* Validation of scFv Directed against HIV-1 Tat – A Novel Neuroprotective Approach for NeuroAIDS

Role: PI (Y Lu)

Pilot Project of G12 RR003061 \$250,000 8/1/01-7/31/06

NCCR, NIH

Title: Mutant tRNA-Mediated Anti-HIV-1 Infection: A Novel Gene Therapy Approach.

Role: Co-Investigator (PI: R Yanagihara).

UH-OTTED 320580 \$5,000 6/1/05-5/31/06

Title: Molecular Cloning and Identification of Shrimp β -actin Gene.

Role: PI (Y Lu)

437755 \$50,925 7/1/05-6/30/06

Hawaii Community Foundation

Title: Establishment of *in vitro* Cell Culture Model for siRNA-based Protection from West Nile Virus Infection.

Role: PI (Y Lu)

S11 NS043499 (CNS) \$1,542,403 9/1/02-8/31/08

NINDS, NIH

Title: Development of Gene Transfer Approaches for NeuroAIDS.

Role: PI (Y Lu)

Clinical Research Center, RCMI-UH \$10,000 4/1/02 - 12/31/03

Hawaii Community Foundation \$51,640 8/1/02 – 12/31/03

Title: Development of a Novel Gene Therapy Approach to HIV Infection: Mutant tRNA Strategy.

Ro: PI (Y Lu)

00000 \$15,000 8/1/00-12/31/0

URC-UHM

Title: Development of An Immunoassay for the Early, Simple and Effective Diagnosis of Taura Syndrome Virus (TSV).

Role: PI (Y Lu)

00000 \$25,000 02/1/00 – 07/31/02
Wildlife Preservation Trust

Title: Establishment and Characterization of Cell Lines from Hawaiian Monk Seal (*Monachus schauinslandi*)

Role: PI (Y Lu)

0000 \$49,823 06/1/00 – 6/31/02
HCF

Title: Induction of a Novel Turtle Herpesvirus in Primary Cell Cultures from Trigeminal Ganglia and Tumors.

Role: PI (Y Lu)

CTSA Pilot Study \$136,595 12/1/99-7/31/05
USDA (PI: JS Lee)

Title: Virology Health Services for Hawaiian Aquaculture.

Role: PI (Y Lu)

00000 \$58,750 05/01/99-12/31/02
NMFS

Title: Detection and Isolation of Viruses Associated with Green Turtle Fibropapilloma

Role: PI (Y Lu)

00000 \$50,000 06/1/97 – 12/31/98
HCF

Title: Characterization of a Papilloma-Like Virus Isolated from Cell Lines Derived from Green Sea Turtles with Fibropapilloma.

Role: PI (Y Lu)

00000 \$48,090 06/1/98 – 12/31/99
HCF

Title: Detection and Isolation of viruses associated with Green sea Turtle Fibropapilloma.

Role: PI (Y Lu)

00000 \$49,823 06/1/99 – 05/31/02
HCF

Title: Isolation of a Putative Herpesvirus from Cell Lines Derived from Tumor Tissues of Green Turtles with Fibropapilloma.

Role: PI (Y Lu)

Patent

Loh, P.C. and Y Lu, Method for Growing Crustacean Virus in Fish Cells. U.S. Patent 5,236,840, issued August 17, 1993

Lu Y and M. Soderlund, Molecular cloning and identification of crustacean actin promoter from *litopenaeus* shrimp. U.S. Patent No.: US8,242,253 B2, issued August 14, 2012.

Teaching Activities

- 83-85 Fish Diseases (3 CR), Lecturer, Huazhong Agricultural University (HAU), Wuhan, China
- 84-85 *Essential Techniques for Translation of English into Chinese* (2 CR), Lecturer, HAU, Wuhan
- 89-92 *Animal Virology Laboratory* (2 CR), Teaching Assistant, UHM, Honolulu, Hawaii
- 2000 *Animal Tissue Culture Technology* (1 CR), Lecturer, KCC, Honolulu, Hawaii
- 2004 *Animal Tissue Culture Workshop* (1 week), Lecturer, HAU, Wuhan, China
- 97-06 Guest Lectures for Courses in Biology, General Microbiology, and Neurovirology, UHM
- 97-07 Directed Research Courses for undergraduate and graduate students, UHM
- 05-07 *Environmental determinants of Health* (PH681), DPHS, UHM, Hawaii
- 05-06 *Continued Education in Public Health* (PH696), DPHS, UHM, Honolulu, Hawaii
- 06-07 *Special Topics in Public Health* (PH794T) – *Environmental Virology* (PH794T)
- 07-08 *Environmental determinants of Health* (PH681), DPHS, UHM, Hawaii
Environmental Health Laboratory Methods (PH781), DPHS, UHM, Hawaii
- 08-09 *Environmental determinants of Health* (PH681), DPHS, UHM, Hawaii
Environmental Virology Methods (PH797T), DPHS, UHM, Hawaii
- 09-12 *Environmental determinants of Health* (PH681), DPHS, UHM, Hawaii
- 2013- *Current hot topics in Environmental Health* (PH794E), DPHS, UHM, Hawaii
Environmental Health Laboratory Methods (PH781), DPHS, UHM, Hawaii
Environmental Determinants of health (PH681), DPHS, UHM, Hawaii
- 2014- *Current hot topics in Environmental Virology* (PH794E), DPHS, UHM, Hawaii
Environmental Health Laboratory Methods (PH781), DPHS, UHM, Hawaii
Environmental Determinants of health (PH681), DPHS, UHM, Hawaii
- 2015- *Environmental Health Laboratory Methods* (PH781), DPHS, UHM, Hawaii
Environmental Determinants of Health (PH681-001 & 002), DPHS, UHM
Directed Research and Reading in Env Health (PH699), DPHS, UHM
Hot Topics in Env Health (PH794D), OPHS, UHM
Directed Research in Microbiology (PH699), OPHS, UHM
- 2016- *Environmental Microbiology* (PH445), DPHS, UHM
Introduction to Environmental Health, SPH, Wuhan University
Environmental Determinants of Health (PH681-001 & 002), DPHS, UHM
- 2017- *Environmental Microbiology* (PH445), DPHS, UHM
Environmental Determinants of Health (PH681), DPHS, UHM
- 2018 *Environmental Microbiology* (PH445), DPHS, UHM
Environmental Determinants of Health (PH681), DPHS, UHM
Microbiological Problems (MICR499), DPHS, UHM
Directed Reading and Research in EH (PH699), OPHS, UHM

- 2019 Public Health and Environment (PH340), OPHS, UHM
Environmental Microbiology (PH445), DPHS, UHM
Environmental Determinants of Health (PH681), DPHS, UHM
- 2020 Public Health and Environment (PH340), OPHS, UHM
Environmental Determinants of Health (PH681), OPHS, UHM
- 2021 Public Health and Environment (PH340), OPHS, UHM
Environmental Microbiology (PH445), DPHS, UHM
Environmental Determinants of Health (PH681), DPHS, UHM
- 2022 Public Health and Environment (PH340), OPHS, UHM
Environmental Microbiology (PH445), DPHS, UHM
Environmental Determinants of Health (PH681), DPHS, UHM
- 2023 Public Health and Environment (PH340), OPHS, UHM
Environmental Microbiology (PH445), DPHS, UHM
Environmental Determinants of Health (PH681-001), DPHS, UHM
Environmental Determinants of Health (PH681-301 Online), DPHS, UHM
- 2024 *Environmental Microbiology* (PH445), DPHS, UHM
Environmental Determinants of Health (PH681), DPHS, UHM
 Public Health and Environment (PH340), OPHS, UHM
Microbiological Problems (MICR499), DPHS, UHM
Environmental Determinants of Health (PH681 Online), DPHS, UHM
- 2025 *Environmental Microbiology* (PH445), DPHS, UHM
 Public Health and Environment (PH340), OPHS, UHM
Environmental Determinants of Health (PH681-001), DPHS, UHM
Environmental Determinants of Health (PH681-301 Online), DPHS, UHM

GenBank Submission

7 submissions of newly identified genomic DNA sequences to the GenBank (full-length cds of DNA polymerase, DNA binding protein, glycoprotein and tumor susceptibility gene TSG101 of newly identified green turtle herpesvirus, and two shrimp actin genes).

Peer-Reviewed Journal Articles

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162. Lu Y. Challenges and Global Health Impact of COVID-19. The APACPH 2020 conference. Colombo, Sri Lanka. December 8, 2020.
163. Marshall J, YY Wu, Y Lu. An Analysis on the Relationship between Heavy Drinking and Hypertension. The 54th APACPH conference. Kuching, Malaysia. October 31 – Nov 1, 2023.
164. Pascual JM, BY Hernandez, V Cunanan, Y Lu. Impact of Dietary Intake of Selected Nutrients on Genital HPV Infection – A Cross-sectional Study on Adult Males. The 55th APACPH conference. Busan, Korea. October 23 – 25, 2024.

Invited Seminars/Lectures

1. Can mutated tRNA be used as effective therapeutic approach for HIV-1 infection? Department of Microbiology, UHM. March 10, 1997.
2. Isolation and Identification of Causative Viruses of GSTFP. Department of Tropic Medicine and Medical Microbiology. February 25, 1998.

3. New evidence of virus etiology of green turtle fibropapilloma. Department of Microbiology, UHM. April 20, 1998.
4. New evidence for viral etiology of GTFP. Department of Microbiology, UHM November 29, 1999.
5. Analysis of CCR5 Genotypes among Various Ethnic Population. Department of Microbiology, UHM. November 13, 2000.
6. Inhibition of HIV-1 Replication in Brains Using mutated tRNA Primers. Bekesy Laboratory, Pacific Biomedical Research Center, UHM. April 2, 2001.
7. Novel Gene Therapy Approach for HIV-1 Infection. Cell and Molecular Biology, UHM October 26, 2002.
8. Gene Therapy against HIV-1. Zhongshan Medical University, Guangzhou, China. January 22, 2003.
9. Development of Gene Transfer Approaches for NeuroAIDS. Clinical AIDS Research Center, JABSOM, UHM, February 6, 2004.
10. Development of Gene Transfer Approaches for NeuroAIDS. Annual Conference of Specialized Neuroscience Research Programs. Marriott at Vanderbilt, Nashville, Tennessee, May 20, 2004.
11. Lentiviral Vector-Mediated Gene Transduction of Primary Cultures of Human Monocytes/Macrophages. Department of Microbiology, UHM. September 20, 2004.
12. Gene Therapy and Its Potential Application for NeuroAIDS. Guest lecture for Neurovirology, DTMMMP, JABSOM, UHM. September 29, 2004.
13. Characterization of Lentiviral Vector-Mediated Gene Transduction of Human Monocytes and Macrophages in vitro. College of Life sciences, Wuhan University, Wu, China, May 11, 2005.
14. Viral Vectors and Their Implication in Gene Therapy for the Central Nervous System. Guest lecture for Neurovirology, DTMMMP, JABSOM, UHM. October 12, 2005.
15. Viral Vector-Mediated Gene Transduction of Primary Cultures of Monocytes & Macrophages - A Novel Gene Transfer Approach for Neurological Disorders. Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, China. December 21, 2005.
16. Animal Cell Cultures – Applications in Viral Disease Control and Biotechnology. College of Fisheries, Huanzhong Agricultural University, Wuhan, China, December 26, 2005.
17. Monocyte Transduction and Potential Implication in Neuronal Gene Therapy. Virology Institute, Chinese Academy of Sciences, Wuhan, China. January 13, 2006.
18. Production of Transgenic Shrimp Strain with Viral Resistance. Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, China. May 9, 2006.
19. Molecular Biotechnology in Aquaculture - Disease Prevention and Controls. College of Fisheries, Huanzhong Agricultural University, Wuhan, China, May 14, 2006.
20. Modeling Monocytes Macrophages Based Gene Therapy for the NeuroAIDS. Shanghai National Animal Disease Center, Chinese Academy of Agriculture Sciences, September 15, 2006.
21. Viral Vectors and Their Implication in Gene Therapy for the Central Nervous System. Guest lecture for Neurovirology Class at the Department of Tropic medicine, microbiology and pharmacology, UHM. October 4, 2006.

22. Molecular-Based Gene Therapy for HIV-1 Infection in the Central Nervous System. Guest lecture for the Seminar course at the Department of Public Health Sciences, UHM. October 10, 2006.
23. Modeling of TNFR Based Gene Therapy for NeuroAIDS. Specialized Neuroscience Research program (SNRP) PAC meeting, University of Hawaii. March 15, 2007.
24. Molecular Based Gene Therapy for HIV-1 Infection in the Central Nervous System. Wuhan Bioengineering Institute, Wuhan. May 25, 2007.
25. Modeling Blood Hematopoietic Stem Cells for HIV-1 Gene Therapy. Wuhan Blood Center, Wuhan. May 31, 2007.
26. IPCR-Based DNA Walking for Sequencing Viral Genome of Putative Isolates. Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan. June 7, 2007.
27. Lentiviral Vector-Mediated High Level Expression of TNFR in Human Macrophages – A Potential Therapeutic Approach for NeuroAIDS. School of Public Health, Wuhan University, China. June 7, 2007.
28. IPCR – A Powerful Genomic-Walking Technique for Identifying Unknown sequences from Known Genomic DNA. Huazhong Agricultural University. June 8, 2007.
29. What's the cause of Green Sea Turtle Fibropapilloma – Marine Viruses? Zhongshan University, Guangzhou, China. June 13, 2007.
30. Construction and Characterization of Lentiviral Vector for Stable Expression of a Soluble Receptor for TNF - A Potential Strategy for Neuroprotection. NIH-RCMI Forum, University of Hawaii – JABSOM. September 13, 2007.
31. Viral Vector-Mediated Gene Expression in Primary Cultures of Mouse Monocytes and Macrophages – A Potential Model for Neuronal Gene Therapy. MBBE 651 (Signal Transduction and Gene Regulation), Department of Molecular Biosciences and Bioengineering, UHM. Oct 9, 2007.
32. Shrimp Promoter - Isolation & Potential Application in Marine Gene Transfer Biotechnology. Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan. November 27, 2007.
33. Molecular-Based Gene Therapy Approaches for NeuroAIDS. School of Public Health, Wuhan University, China. November 28, 2007.
34. Efficient Expression and Biological Function of TNFR in Lentiviral Vector-Transduced Macrophage Cells. Specialized Neuroscience Research program (SNRP) PAC meeting, University of Hawaii. January 16, 2008.
35. Research Activities *in* Environmental Health Lab of Dept. Public Health Sciences - Transgenic Shrimp. DPHS, January 17, 2008.
36. Molecular-Based Gene Therapy for HIV-1 Infection in the Central Nervous System. School of Public Health, Fudan University. Shanghai, China. February 26, 2008.
37. The Value of Laboratory Data for Characterizing, Understanding and Solving Environmental Health Problems. PH789, Department of Public Health Sciences, UHM. March 5, 2008.
38. Modeling Macrophage-Based Gene Therapy for HIV-1 Infection in the Central Nervous System. Baylor College of Medicine, Houston. Texas. April 3, 2008
39. Novel Gene Therapy for HIV-1 Infection – An *in vivo* Mouse Model. Laboratory of Animal Service, University of Hawaii. April 20, 2008.

40. Functional Characterization of A Newly Isolated Shrimp Promoter for Its Potential Application in Marine Gene Transfer Biotechnology. Shanghai Ocean University. June 11, 2008.
41. Important Application of Molecular Biology Technology in Medical Sciences. Sobei Medical Center, Yangzhou, China. June 13, 2008.
42. Functional Characterization of An Newly Isolated Shrimp Promoter for Its Potential Application in Marine Gene Transfer Biotechnology. Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan. June 16, 2008.
43. Marine Gene Transfer Biotechnology - A Potential Approach for Combating Viral Diseases of World Shrimp Aquaculture. Fisheries College, Huazhong Agricultural University, Wuhan. June 19, 2008.
43. Application of Molecular Biology Technology in Medical Sciences. School of Public Health, Wuhan University, Wuhan. June 23, 2008.
44. Lentiviral Vector-Mediated Stable Expression of TNFR in Monocyte-Derived Macrophages *in vitro* and *in vivo*. The U.S. NIH-RCMI Forum, University of Hawaii – JABSOM. September 11, 2008.
45. Modeling Monocyte-Macrophage Based Gene Delivery into the Brain – A Novel Therapeutic Strategy for NeuroAIDS. Cancer Research Center of Zhongshan University, Guangzhou. December 10, 2008.
46. Identification and Characterization of A More Sensitive Murine Microglial Cell Line for Murine Norovirus – A Potential Model for Human Norovirus. Shanghai Veterinary Research Institute, Chinese Academy of Agricultural Sciences. Shanghai. May 15, 2009.
47. A More Sensitive Murine Microglial Cell Line for Murine Norovirus – A Potential Model for Human Norovirus. School of Public Health, Wuhan University, Wuhan. May 20, 2009.
48. Establishment of A Sensitive *in vitro* Cell System for Murine Norovirus – A Model for Human Norovirus. Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan. May 26, 2009.
49. Modeling Monocyte-Macrophage Based Drug Delivery into the Central Nervous System. College of Life Sciences, Wuhan University. Wuhan. May 27, 2009.
50. Modeling Monocytes Based Gene Therapy for NeuroAIDS. The Fourth Military Medical University, Xian, China, March 29, 2010.
51. Island Health – Monitoring coastal waters using enteric viruses as an indicator. International Global Health Conference of APACPH. University of Colombo, Sri Lanka. June 5, 2010.
52. Novel Therapeutic Approaches for NeuroAIDS and Neurodegenerative Disorders. Department of Microbiology, UHM, October 8, 2010.
53. Human Enteric Viruses - A Potential Indicator for Water Contamination and Risk. School of Public Health 10th Anniversary Lecture, Wuhan University. May 18, 2011.
54. Beach Water Safety, Risk and New Indicators? Institute of Hydrobiology, The Chinese Academy of Sciences, Wuhan. May 24, 2011.
55. Beach Water Safety, Risk and New Indicators? Yangtze River Fisheries Research Institute, Chinese Academy of Fishery Sciences, Wuhan. May 29, 2011.
56. Monocyte-Macrophage Based Molecular Therapy for NeuroAIDS. Institute of Virology, The Chinese Academy of Sciences, Wuhan. June 1, 2011.

57. Monocyte-Macrophage Based Molecular Therapy for NeuroAIDS. Clinic Research Laboratory, JABSOM of University of Hawaii. July 7, 2011.
58. Human Enteric Viruses – An Indicator for Recreational Water Contamination. Symposium Speech at the 43rd APACPH Conference, October 2011, Seoul, Korea.
59. Development of methods to monitor for human pathogenic enteric viruses in Hawaii's recreational waters. The WRRRC, UHM, November 3, 2011.
60. Human Enteric Viruses – An Indicator for Recreational Water Contamination, Disease Control and Prevention, Shanghai Municipal Center. February 13, 2012.
60. New Approaches for Enhanced Detection of Enteric Viruses from Environmental Waters. School of Public Health of Wuhan University. February 18, 2012.
61. Cell Mediated Novel Gene Therapy for NeuroAIDS. The 18th Society on Neuroimmune Pharmacology Conference, Honolulu, Hawaii. April 28, 2012.
62. Water Environment and Human Health - New Indicators for Water Monitoring. School of Public Health, Huazhong University of Science and Technology. June 12, 2012.
63. Cell Mediated Novel Gene Therapy for NeuroAIDS. Special Symposium for Infection and Immunity and Anti-viral therapy, Xian, China. June 16, 2012.
64. Application of Molecular Bioengineering in Medical Sciences. Hubei Engineering College. June 19, 2012.
65. Water Environment and Human Health - New Indicators for Water Monitoring. Environmental Ecology Institute, Huazhong University of Science & Technology, Wuhan China. June 21, 2012
66. Water Environment and Human Health - New Indicators for Water Monitoring. Institute of Hydrobiology, CAS, Wuhan China. July 2, 2012.
67. Cell Mediated Novel Gene Therapy for NeuroAIDS. Institute of Microbiology, Chinese Academy of Sciences, Beijing, China. July 9, 2012.
68. Breast Cancer in the US – An Overview. Wuhan International Symposium on Breast Cancer. Tongji Medical Hospital, Wuhan, China. October 13, 2012
69. Cell-mediated drug delivery into the brain - a potential therapy for NeuroAIDS. The Neuroscience & MR Research Program at Queen Medical center. Feb 22, 2013.
70. NeuroAIDS Therapy – Current Challenges and Future Directions. The 5th World Conference of Vaccine. Hangzhou, China. March 20, 2013.
71. Island Life and Health in Hawaii – New indicators for water quality and risk assessment. Hubei Engineering University, Hubei, China. June 4, 2013.
72. Island Life and Health in Hawaii – New indicators for water quality and risk assessment. Hubei University of Chinese Medicine, Hubei, China. June 6, 2013
73. Island Life and Health in Hawaii. School of Public Health, Nanchang University. Nanchang, Jiangxi, China. June 12, 2013
74. New indicators for the risk assessment of treated/reusing water for public use. Shengzheng Entry-Exit Inspection and Quarantine Station, Shengzheng, China. June 17, 2013.
75. Recreational Water and Public Health - Human Enteric Viruses as New Indicators. Shengzheng Academy of Environmental Sciences, Shengzheng, China. June 17, 2013.

76. Recreational Water and Public Health - Human Enteric Viruses as New Indicators. Institute of Hydrobiology, Chinese Academy of Sciences, Wuhan, China. June 21, 2013.
77. HIV-1 Infection and AIDS – An Overview of Current Therapy and Challenges. SPH of Nanchang University, Nanchang, China. October 23, 2013.
78. HIV/AIDS – Current Therapy and Challenges. Symposium speech at the 45th APACPH conference, Wuhan, China. October 26, 2013.
79. Human Enteric Viruses – A potential indicator for Water Quality Monitoring. Nanchang University, Nanchang, Jiangxi, China. March 7, 2014.
80. Molecular Biotechnology Application in Biomedical Science. Nanchang University, Nanchang, Jiangxi, China. March 7, 2014.
81. HIV/AIDS – Current Therapy and Challenges. Symposium Summit on Current Hot Topics in Public Health in Xian, China. May 23-25, 2014
82. Ebola – Current outbreaks and Global Heal Impact. Wuhan University, Sept 28, 2014.
83. Ebola – Current outbreaks and Global Heal Impact. Nanchang University, October 22, 2014.
84. NeuroAIDS Therapy – Current Challenges and Future Directions. Nanchang University, October 23, 2014.
85. Cell Mediated Novel Gene Therapy for NeuroAIDS. The 6th Symposium on Emerging Viral Diseases. Institute of Virology of Chinese Academy of Sciences, October 29-31, 2014.
86. Oncogenic viruses & human cancers – An overview. School of Public Health, Nanchang University. May 28, 2015.
87. A putative shrimp promoter – promoting activity and functional genome analysis. Huazhang Agricultural University, Wuhan, June 2, 2015.
88. Hawaii islands – Environment, life and public health. Huazhong Agricultural University, Wuhan, June 25, 2015.
89. The Challenge of viral diseases on human health – from HIV-1 to MERS-CoV. Xiaogan Dept of Health. June 29, 2015.
90. From Ebola to MERS – the Role of Public Health In Preventing/Control of Infectious Diseases. Wuhan University, Wuhan, October 25, 2015.
91. The Essential Role of Public Health In Preventing/Control of Zoonotic Diseases – from Ebola to MERS. Nanchang University, Nanchang, October 27, 2015.
92. Current Outbreak of Zike Virus Infection and Its Potential Risk to Public Health. Wuhan University, Wuhan. Feb 23, 2016.
93. Zika Virus Outbreak and Its Health Risk to the Public. Nanchang University, Nanchang. Feb 25, 2016.
94. Hawaii Islands – Environment, Life, and Public Health. School of Public Health, Fudan University. February 27, 2016.
95. Environmental Water Monitoring and Risk Assessment. The Center for Disease Control of Zhoushan. June 24, 2016.
96. Hawaii Life and Health. 1st High School of Xiaogang, Hubei. June 29, 2016.

97. The Challenging Impact of Emerging Viral Pathogens on Human Health—from HIV-1 to Zika Virus. Huazhong Agricultural University, Wuhan, China. July 1, 2016.
98. Water Scarcity on Global Health – Challenges and Prospective. Global Health Center of Wuhan University. October 9, 2016.
99. Impact of Water Crisis on Global Health. Nanchang University, Jiangxi. Oct 14, 2014.
100. Cell-Mediated Gene Therapy for NeuroAIDS. Department of Microbiology at the University of Hawaii at Manoa, Honolulu. November 14, 2016.
101. Human Cancer – Current Trends and Impact on Global Health. Jiangxi Medical School of Nanchang University. February 21, 2017.
102. Human enteric viruses and their potential application as an water quality indicator. Chinese Research Academy of Environmental Sciences. June 11, 2017.
103. Global Health Education and Research in Hawaii. Fudan Global Health Strategic Planning Conference. October 27-29, 2017.
104. How to select a research topic. School of Health Science of Wuhan University. November 2, 2017.
105. Superbugs – A growing threat to global health. School of Health Science of Wuhan University. March 2, 2018.
106. Hawaii Life and Public Health. Jiangxi University of Traditional Chinese Medicine. Nanchang, March 6, 2018.
107. Emerging infection disease from antibiotic resistant microbial pathogens – a major challenge to global health. School of Public Health, Nanchang University. March 7, 2018.
108. Superbugs – A growing treat to global health. Jiangxi University of Traditional Chinese Medicine. May 23, 2018
109. Island Life and Public Health in Hawaii. Shanghai University of Traditional Chinese Medicine. May 30, 2018.
110. Present trend and impact of HIV-TB coinfection on global health. School of Public Health of Wuhan University. September 4, 2018.
111. HIV-Tuberculosis coinfection: present trend and impact on global health. Jiangxi University of Traditional Chinese Medicine. September 6, 2018.
112. Viruses and human cancer – from the cause to the prevention. School of Public Health, Nanchang University. September 6, 2018.
113. HIV-TB co-infection – current trend and global health impact. The 50th APACPH Conference in University of Malaysia at Sabah. September 12-14, 2018.
114. Occurrence of TB-HIV co-infection and its associated public health impact. The Epidemiology and health Statistics Federation Annual Academic Conference. Chenzhou, Hunan. Oct 27, 2018.
115. How to prepare a publishable manuscript in a SCI/SSCI journal. Jiangxi University of Traditional Chinese Medicine. February 26, 2019.
116. How to publish your research findings in a SCI journal. School of Health Science, Wuhan University. March 4, 2019.
117. Viruses and Human cancer – from the cause to cancer prevention. School of Public Health, Nanchang University. May 27, 2019.

118. Global Health – A critical concept for the 21st Century. School of Economy and Management of Chinese University of Traditional Chinese Medicine. November 25, 2019.
119. Recent Outbreak of COVID-19 and Its Impact on Global Health. Center for Chinese Studies of UHM. September 23, 2020.
120. Therapeutic drugs from the seas. The 21st Century Maritime Cooperation Conference. Fuzhou, China. May 17, 2022.
121. Life and Public Health Education in Hawaii. Nanchang Medical College, December 20, 2022.
121. One Health – An important health concept for the 21st century. Nanchang Medical College. Nanchang, May 23, 2023.
121. Hawaii Life and Public Health. School of Public Health, Nanchang University. Nanchang, May 25, 2023.
122. Essential requirements and key points for writing a publishable SCI paper. School of Public Health, Nanchang University. Nanchang, May 26, 2023.
123. Hawaii Life and Public Health. School of Economics and Management, Jiang University of Chinese Medicine. Nanchang, May 31, 2023.
124. Essential requirements and key points for writing a publishable SCI paper. School of Economics and Management, Jiangxi University of Traditional Chinese Medicine. Nanchang, June 1, 2023.
125. Essential of Maritime Collaboration for New Drugs from the Ocean. The 22nd Century Maritime Cooperation Conference. Fuzhou, China. June 2, 2022
126. The important role of public health in disease prevention and control and global health from the perspective of COVID-19. The Xiaogan Hospital Association. Xiaogan, June 13, 2023.
127. Hawaii Life and Public Health. School of Economics and Management. School of Nutrition & Food Sciences, University of Ningxia. Ningxia, June 17, 2023.
128. Essential requirements and key points for writing a publishable SCI paper. School of Nutrition & Food Sciences, University of Ningxia. Ningxia, June 17, 2023.
129. From the perspective of COVID-19 to discuss the prevention and response measures for combatting major new emerging/re-emerging infectious diseases. School of Public Health, Xiangnan Medical University. Chenzhou, June 25, 2023.
130. From the perspective of COVID-19 to discuss the prevention and response measures for combatting major new emerging/re-emerging infectious diseases. School of Animal Science, Huazhong Agriculture University. Wuhan, June 26, 2023.
131. Essential requirements and key points for writing a publishable SCI paper in English. School of Animal Science, Huazhong Agriculture University. Wuhan, June 27, 2023.
132. Prevention & response measures for major infectious diseases. The Jiangxi Provincial Research Hospital Association Annual Conference. Nanchang, September 22, 2023.
133. Prevention & response measures for Emerging/Re-emerging infectious diseases. The School of Public Health of Xiangnan University. Chenzhou, October 25, 2023.
135. One health – the critical health concept for the 21st century. Huazhong Agricultural University. October 23, 2023.

136. Impact of climate changes on global health. Huazhong Agricultural University. October 23, 2023.
137. HIV/AIDS – Current Status, Challenges, & Future Foresights. School of Public Health of Nanchang University, Nanchang, June 11, 2024
138. HIV/AIDS – Current Status, Challenges, & Future Foresights. Jiangxi University of Chinese Medicine, Nanchang, June 12, 2024
139. HIV/AIDS – Current Status, Challenges, & Future Foresights. Public Health Frontier Forum at Nanchang Medical University, Nanchang, June 13, 2024.
140. How to prepare your revision for submission. Jiangxi University of Chinese Medicine, Nanchang, June 14, 2024
141. Human Gene Therapy – Principle and Application – NeuoAIDS Model. Shaixi State Hospital, July 1, 2024.
142. HIV/AIDS – Current Status, Challenges, & Future Foresights. Shaixi State Hospital, July 1, 2024.
143. Human Gene Therapy – Principle and Application – NeuoAIDS Model. Food Science School of Ningxia University, July 2, 2024
144. Strategies for A Successful Revision Submission. Huazhong Agricultural University, Wuhan, July 4, 2024
145. Vaccination – An Essential Measure for ID Management - COVID vaccine as a model. Huazhong Agricultural University, Wuhan, July 5, 2024.
155. How to write and submit a scientific research manuscript in international journals. JUCM, Nanchang, October 31, 2024.
156. Strategic prevention and response management for pandemics in future. Xiaogan Hospital, Hubei, November 1, 2024.
157. Global status on infection control and strategies for ending HIV/AIDS. Annual Conference of Jiangxi Provincial Research Hospital Association. Nanchang, Jiangxi. November 29, 2024.
158. Global Health Challenges in A Changing World: Environmental Connection. Nanchang Public Health Summit. Nanchang Medical College. Jiangxi. March 13, 2025.
159. Antimicrobial Resistance – A Growing Threat to Modern Medicine and Global Health, Shanxi 1st Hospital. Xian, June 11, 2025
160. Antimicrobial Resistance – A Growing Threat to Modern Medicine and Global Health, Sichuan University. Chengdu, June 25, 2025.

Students/Fellows: Trained/under training

A total of 320 national and international students/postdoctoral fellows/visiting scholars have been trained/under the training (6 are currently under training/mentoring).