

## CURRICULUM VITAE

Ya-Chi Ho, MD, PhD

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### Contact Information:

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### Education:

xxxx - 06/2002 MD, National Cheng Kung University, Medicine, Tainan, Tainan City  
xxxx - 06/2007 MMS, National Taiwan University, Clinical Medicine, Taipei  
xxxx - 09/2013 PhD, Johns Hopkins University School of Medicine, Cellular and Molecular  
Medicine, Baltimore, MD

### Career/Academic Appointments:

07/2000 - 08/2000 Clinical clerkship, Medical Oncology, Yale University, New Haven, CT  
03/2001 - 05/2002 Clinical clerkship, Duke University Medical Center, Durham, NC  
06/2002 - 06/2005 Resident, Internal Medicine, National Taiwan University Hospital, Taipei, Taiwan  
06/2005 - 06/2007 Clinical fellow, Division of Infectious Diseases, National Taiwan University  
Hospital, Taipei, Taiwan  
07/2007 - 06/2008 Attending Physician, Infectious Diseases, Medicine, National Taiwan University  
Hospital, Yun-Lin Branch, Douliu, Taiwan  
09/2013 - 09/2014 Postdoctoral fellow, Division of Infectious Diseases, Johns Hopkins School of  
Medicine, Baltimore, MD  
10/2014 - 12/2015 Research Associate, Medicine, Johns Hopkins School of Medicine, Baltimore, MD  
01/2016 - 03/2017 Instructor, Medicine, Johns Hopkins School of Medicine, Baltimore, MD  
07/2017 - 08/2017 Assistant Professor, Medicine, Johns Hopkins School of Medicine, Baltimore, MD  
07/2017 - 08/2017 New Recruit, Microbial Pathogenesis, Yale School of Medicine, New Haven, CT  
09/2017 - Present Assistant Professor, Microbial Pathogenesis, Yale School of Medicine, New Haven,  
CT  
09/2017 - Present Assistant Professor, Infectious Diseases, Yale School of Medicine, New Haven, CT  
07/2021 - Present Associate Professor on Term, Microbial Pathogenesis, Yale School of Medicine,  
New Haven, CT  
07/2021 - Present Associate Professor on Term, Infectious Diseases, Yale School of Medicine, New  
Haven, CT

**Administrative Positions:**

2016 - 2021	Investigator, HIV Reservoirs and Viral Eradication Transformative Science Group (Cure TSG), AIDS Clinical Trial Group, New Haven, CT
2016 - 2017	Co-Director, HIV Cure Scientific Working Group, Johns Hopkins School of Medicine, Baltimore, MD
2017 - Present	Member, BEAT-HIV Martin Delaney Collaboratory, Wistar Institute, Philadelphia, PA
2018 - Present	Member, Center for the Structural Biology of Cellular Host Elements in Egress, Trafficking, and Assembly of HIV (CHEETAH), University of Utah, Salt Lake City, UT
2021 - Present	Principle Investigator, M-SCORCH (Methamphetamine use disorder data generation center for Single Cell Opioid Responses in the Context of HIV), Yale University School of Medicine, New Haven, CT
2021 - Present	Investigator, REACH Martin Delaney Collaboratory, Weill Cornell Medical College, New York, NY

**Professional Honors & Recognition:**

**International/National/Regional**

2002	Phi Tau Phi, Phi Tau Phi Honorary Society, Taiwan
2003 - 2004	Best Resident Award, Department of Medicine, National Taiwan University Hospital
2007	Best Teaching Resident Award, National Taiwan University Hospital
2007	Scholarship for PhD Studies Abroad, Ministry of Education, Taiwan
2011	Howard Hughes International Student Research Fellowship, Howard Hughes Medical Institute
2013	Young Investigator Award, CROI
2014	Michael Shanoff Johns Hopkins Young Investigator Award, Johns Hopkins University School of Medicine
2014	Phi Beta Kappa, Phi Beta Kappa Honorary Society
2016	W. W. Smith Charitable Foundation AIDS Research Award, W. W. Smith Charitable Foundation
2016	Distinguished Alumni Award, National Cheng Kung University
2018	Gilead Sciences Research Scholar in HIV, Gilead Sciences
2018	Andy Kaplan Prize, Cold Spring Harbor Laboratory Meetings on Retroviruses

**Yale University/Yale School of Medicine/Hospital System**

2017	Lois E. and Franklin H. Top, Jr. Yale Scholar, Yale University School of Medicine
2018	Rudolf J. Anderson Fellowship, Yale University

**Grants/Clinical Trials History:**

**Current Grants**

Agency:	NIDA/NIH
I.D.#:	U01 DA053628

Title: M-SCORCH: Methamphetamine use disorder data generation center for Single Cell Opioid Responses in the Context of HIV  
 P.I.: Ya-Chi Ho, Nenad Sestan  
 Role: MPI (Contact PI)  
 Percent effort: 15%  
 Direct costs per year: \$1,192,144.00  
 Total costs for project period: \$9,490,616.00  
 Project period: 5/15/2021 - 2/28/2026

Agency: NIAID/NIH  
 I.D.#: R01AI145164  
 Title: T cell-targeted lentiviral vectors with Cas9/RNP for the in vivo gene therapy of HIV-AIDS  
 P.I.: Kumar, Priti  
 Role: Co-Investigator  
 Percent effort: 10%  
 Direct costs per year: \$30,418.00  
 Total costs for project period: \$88,626.00  
 Project period: 3/1/2021 - 2/29/2024

Agency: NIDA/NIH  
 I.D.#: R01DA051906  
 Title: A Big Data Approach to Identify Epigenetic, Transcriptomic, and Network Dynamics as Immune Dysfunction Drivers Associated with HIV Infection and Substance Use Disorder  
 P.I.: Gerstein, Mark  
 Role: Co-Investigator  
 Percent effort: 10%  
 Direct costs per year: \$60,000.00  
 Total costs for project period: \$418,750.00  
 Project period: 7/1/2020 - 6/30/2025

Agency: NIDA/NIH  
 I.D.#: UM1DA051410  
 Title: The Y-SCORCH Data Generation Center at Yale for Single-Cell Opioid Responses in the Context of HIV  
 P.I.: Spudich, Serena  
 Role: Co-Investigator  
 Percent effort: 10%  
 Direct costs per year: \$80,330.00  
 Total costs for project

period: \$705,768.00  
 Project period: 7/1/2020 - 6/30/2025

Agency: NIAID/NIH  
 I.D.#: R01AI147868  
 Title: The HUSH complex in HIV-1 latency  
 P.I.: Jeremy Luban  
 Role: Co-Investigator  
 Percent effort: 10%  
 Direct costs per year: \$70,426.00  
 Total costs for project  
 period: \$589,820.00  
 Project period: 7/1/2019 - 6/30/2024

Agency: NIAID/NIH  
 I.D.#: R01 AI141009  
 Title: Role of clonal expansion in HIV-1 persistence  
 Role: Principal Investigator  
 Percent effort: 30%  
 Direct costs per year: \$403,754.00  
 Total costs for project  
 period: \$2,092,076.00  
 Project period: 8/17/2018 - 7/31/2023

### Past Grants

Agency: American Foundation for AIDS Research (amfAR)  
 I.D.#: 110029-67-RGRL  
 Title: The driving force of the clonally expanding HIV-1-infected cells - a single-cell approach  
 P.I.: van Dijk, David  
 Role: Principal Investigator  
 Percent effort: 15%  
 Direct costs per year: \$75,000.00  
 Total costs for project  
 period: \$150,000.00  
 Project period: 10/1/2020 - 9/30/2021

Agency: NIDA/NIH  
 I.D.#: R61 DA047037  
 Title: Evaluating the role of opioid medication assisted therapies in HIV-1 persistence for persons living with HIV and opioid use disorder  
 P.I.: Springer, Sandra  
 Role: Principal Investigator (MPI)  
 Percent effort: 20%

Direct costs per year: \$454,324.00  
 Total costs for project period: \$2,282,979.00  
 Project period: 8/31/2018 - 7/31/2021

Agency: NIAID  
 I.D.#: 5P50GM082545  
 Title: Identification of cellular factors critical for HIV-1 silencing  
 P.I.: Sundquist, Wesley  
 Role: Principal Investigator (Sub-Award)  
 Percent effort: N/A  
 Direct costs per year: \$75,000.00  
 Total costs for project period: \$15,000.00  
 Project period: 1/1/2019 - 7/31/2020

Agency: NIAID, Center for the Structural Biology of Cellular Host Elements in Egress, Trafficking, and Assembly of HIV (Cheetah Center)  
 I.D.#: 5P50GM082545  
 Title: Identification of cellular factors critical for HIV-1 silencing  
 P.I.: Sundquist, Wes  
 Role: Principal Investigator (Sub-Award)  
 Percent effort: 20%  
 Direct costs per year: \$75,000.00  
 Total costs for project period: \$75,000.00  
 Project period: 4/1/2019 - 6/30/2020

Agency: Gilead Sciences  
 I.D.#: Gilead HIV Research Scholar Program  
 Title: Single-cell characterization of HIV-1-infected cells  
 Role: Principal Investigator  
 Percent effort: N/A  
 Direct costs per year: \$59,091.00  
 Total costs for project period: \$59,091.00  
 Project period: 6/1/2018 - 5/31/2020

Agency: NIAID  
 I.D.#: R21AI118402  
 Title: High-throughput measurement and transcriptome analysis of the latent reservoir using HIV-1 RNA flow-FISH  
 Role: Principal Investigator  
 Percent effort: 50%

Direct costs per year: \$137,500.00  
Total costs for project period: \$275,000.00  
Project period: 1/15/2015 - 12/31/2017

Agency: NIAID, The Johns Hopkins Center for AIDS Research (CFAR)  
I.D.#: 1P30AI094189  
Title: Identification of cellular factors necessary for latent HIV-1 reactivation  
P.I.: Chaisson, Richard  
Role: Principal Investigator (Sub-Award)  
Percent effort: N/A  
Direct costs per year: \$100,000.00  
Total costs for project period: \$100,000.00  
Project period: 7/1/2015 - 12/31/2016

Agency: W. W. Smith Charity Trust  
I.D.#: W. W. Smith Charity Trust AIDS Research Grant  
Title: Expansion dynamics and functional analysis of the HIV-1 latent reservoir  
Role: Principal Investigator  
Percent effort: N/A  
Direct costs per year: \$100,000.00  
Total costs for project period: \$100,000.00  
Project period: 1/1/2016 - 12/31/2016

#### Past Clinical Trials

Agency: National Institute of Allergy and Infectious Diseases (NIAID)  
I.D.#: HIC# 2000025748  
Title: HIV-informed TB contact Investigation & treatment Monitoring to identify Mechanisms Underlying Natural Immunity to TB in Uganda (HIV-TB Immunity Study)  
P.I.: Luke Davis  
Role: Sub-Investigator  
Percent effort: N/A  
Total costs for project period: N/A  
Project period: 6/26/2019 - 4/21/2021

## Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated With Yale:

### International/National

- 2015: The Department of Microbiology, Immunology, and Tropical Medicine Seminar, George Washington University, Washington, DC. "How far away is a sterilizing cure: Molecular and functional analysis of HIV-1 proviruses"
- 2017: Conference on Cell & Gene Therapy for HIV Cure, Fred Hutchinson Cancer Research Center, Seattle, WA. "The expression of defective HIV-1 proviruses complicates HIV-1 cure strategies"
- 2017: The International Meeting of the Institute of Human Virology, University of Maryland, Baltimore, MD. "Cytotoxic T lymphocytes shape the landscape of HIV-1 proviruses"
- 2018: Keystone Symposia, HIV and Co-Infections, Keystone Symposia, HIV and Co-Infections, Whistler, BC, Canada. "HIV-1 Viral and Proviral Landscape"
- 2018: University of Washington/Fred Hutchinson Center for AIDS Research Seminar, University of Washington/Fred Hutchinson Cancer Research Center, Seattle, WA. "HIV-1 RNA SortSeq: HIV-1-driven aberrant host gene expression contributes to HIV-1 persistence"
- 2018: AACR Special Conference on Cancer: Dormancy and Residual Disease, American Association for Cancer Research, Montreal, QC, Canada. "Targeting the one in a million: detection and elimination of the HIV latent reservoir"
- 2018: AIDS 2018, The International AIDS Meeting, AIDS 2018, The International AIDS Meeting, Amsterdam, NH, Netherlands. "Understanding HIV persistence – do defective viruses matter?"
- 2018: Academic Research Faculty Career Workshop, Johns Hopkins Professional Development and Career Office, Baltimore, MD. "They said academia is hard"
- 2019: Kumamoto University, Kumamoto, Kumamoto, Japan. "Single-cell analysis of HIV-1-host interactions reveals HIV-1-driven aberrant host gene transcription"
- 2019: The Japanese Society for AIDS Research, Kumamoto, Kumamoto, Japan. "Shaping the HIV-1 proviral and viral landscape"
- 2019: The Center for Virology and Vaccine Research (CVVR) at Beth Israel Deaconess Medical Center, Boston, MA. "Single-cell transcriptional landscape of CD4+ T cells reveals aberrant HIV-1-host interactions"
- 2019: Boston University National Emerging Infectious Diseases Laboratories Seminar Series, Boston, MA. "Single-Cell Transcriptional Landscape Reveals Aberrant HIV-1 Host Interactions upon Latency Reversal"
- 2019: Conferences on Retroviruses and Opportunistic Infections (CROI), Conferences on Retroviruses and Opportunistic Infections (CROI), Seattle, WA. "The power of HIV promoter: HIV-1 driven viral and host gene transcription"
- 2019: BEAT-HIV Delaney Collaboratory Annual Meeting, Philadelphia, PA. "Role of clonal expansion in HIV persistence"
- 2019: 10th IAS Conference on HIV Science, Mexico City, CDMX, Mexico., IAS 2019, 10th IAS Conference on HIV Science, Mexico City, CDMX, Mexico. "Turning off HIV-driven aberrant transcription"
- 2019: National Institutes of Health and Bill & Melinda Gates Foundation Joint Workshop, Bethesda, MD. "Single-Cell HIV SortSeq Identifies HIV-host Interactions and Therapeutic Targets"

- 2021: Nebraska Center for Virology (NCV) Symposium, University of Nebraska, Lincoln, Lincoln, NH. "HIV-1-driven aberrant cancer gene expression as a mechanism of persistence - a single cell approach"
- 2022: Think Tank, American Foundation for AIDS Research, Washington, DC. "Integration site dependent proliferation of CAR-T cells"
- 2022: 2022 Penn Center for AIDS Research (CFAR) Seminar Series, University of Pennsylvania, Philadelphia, PA. "(Invitation confirmed)"
- 2022: Center for Global Infectious Disease Research Seminar Series at Seattle Children's Research Institute, Center for Global Infectious Disease Research, Seattle Children's Research Institute, Seattle, WA. "(Invitation confirmed)"

### Regional

- 2018: Cold Spring Harbor Laboratory Meetings on Retroviruses, Cold Spring Harbor, NY. "Aberrant integrant-driven host gene expression contributes to HIV-1 persistence"
- 2022: Medical Scientist Research Symposium, University of Rochester, Rochester, NY. "Mechanisms of HIV persistence and therapeutic implications - a single-cell multi-omics approach"

### Virtual Location

- 2020: The Scientist Webinars: First Responders: SARS-CoV-2 and the Immune System, The Scientist, The Scientist Webinars: First Responders: SARS-CoV-2 and the Immune System. "The critical help: the single-cell landscape of T cell responses in COVID-19"
- 2021: Memorial Sloan Kettering Cancer Center/Weill Cornell Medicine, Weekly ID Advanced Topics Lecture Series. "Why do we need a cure: single-cell multi-omic understanding of HIV persistence and immune dysfunction"
- 2021: HIV Structural Biology 2021 Virtual Meeting, NIH, NIH/NIAID HIV Structural Biology 2021 Virtual Meeting. "Single-cell transcriptional landscapes reveal HIV-1-driven aberrant host gene transcription"
- 2021: CHEETAH Center for the Structural Biology of HIV Infection, Restriction, and Viral Dynamics 2021 August 'Snowbird' Virtual Meeting, CHEETAH Center for the Structural Biology of HIV Infection, Restriction, and Viral Dynamic, NIH/NIAID CHEETAH Center for the Structural Biology of HIV Infection, Restriction, and Viral Dynamic. "HIV Dissemination, Latency and Reactivation"
- 2021: Seminar series in the Research Department of Infection at University College London, University College of London, Department of Infection and Immunity, University College London. "The clonal expansion dynamics of the HIV-1 reservoir: understanding integration site-dependent proliferation and HIV-1 persistence at the single-cell level"
- 2021: Joint Infectious Disease Grand Rounds (Advanced Topics) from Weill Cornell Medicine and Memorial Sloan Kettering Cancer Center, Joint Infectious Disease Grand Rounds (Advanced Topics) from Weill Cornell Medicine and Memorial Sloan Kettering Cancer Center, Joint Infectious Disease Grand Rounds (Advanced Topics) from Weill Cornell Medicine and Memorial Sloan Kettering Cancer Center. "(Invitation confirmed)"
- 2022: Emory University, CFAR Network Science Seminar, Emory University Center for AIDS Research (CFAR). "The clonal expansion dynamics of HIV-1-infected cells revealed by single-cell multiomics"



- 2022: BEAT-HIV Martin Delaney Collaboratory, BEAT-HIV Martin Delaney Collaboratory Webinar. "The clonal expansion dynamics of HIV-1-infected cells revealed by single-cell multiomics"
- 2022: HOPE Martin Delaney Collaboratory, HOPE Martin Delaney Collaboratory Webinar. "The clonal expansion dynamics of HIV-1-infected cells revealed by single-cell multiomics"

## Peer-Reviewed Presentations & Symposia Given at Meetings Not Affiliated With Yale:

### International/National

- 2017: HIV Persistence During Therapy Workshop, HIV Persistence During Therapy Workshop, Miami, FL. "HIV-1 proviruses which are integrated into cancer-related genes are inducible"
- 2018: Conference on Retroviruses and Opportunistic Infections (CROI), Conference on Retroviruses and Opportunistic Infections (CROI), Boston, MA. "Identification of integration sites of inducible HIV-1 using HIV-1 RNA SortSeq"
- 2019: Keystone Symposia: Functional Cures and the Eradication of HIV (X8), Keystone Symposia: Functional Cures and the Eradication of HIV (X8), Whistler, BC, Canada. "Filgotinib, a Janus Kinase Inhibitor, Suppresses HIV-1 Expression and T Cell Activation"

### Regional

- 2020: Cold Spring Harbor Meetings on Retroviruses, Cold Spring Harbor, NY. "Single-cell transcriptional landscape reveals HIV-1-driven aberrant host gene transcription as a therapeutic target"

### Virtual Location

- 2021: Cold Spring Harbor Meetings on Retroviruses, Cold Spring Harbor Meetings on Retroviruses, Cold Spring Harbor Meetings on Retroviruses. "Single-cell multi-omics understanding of T cell clones harboring HIV-1 RNA+ cells"
- 2022: Conferences on Retroviruses and Opportunistic Infections, Conferences on Retroviruses and Opportunistic Infections. "Single-cell multiomics reveals HIV-1 persistence in expanded cytotoxic T cell clones"

## Professional Service:

### Peer Review Groups/Grant Study Sections

- |                |  |
|----------------|--|
| 2016           | Reviewer, DC CFAR Faculty Developmental Grant Study Section, Ad hoc reviewer |
| 2016 - 2017    | Reviewer, NIH Special Emphasis Panel Study Section, Ad hoc reviewer          |
| 2017           | Reviewer, Czech Science Foundation, Study section                            |
| 2018           | Reviewer, Millennium Science Initiative, Study section                       |
| 2018           | Reviewer, NIH, AIDS Immunology and Pathogenesis Study Section                |
| 2018           | Reviewer, NIH Special Emphasis Panel Study Section                           |
| 2018 - Present | Reviewer, American Foundation for AIDS Research (amfAR)                      |

2019 Committee Member, PhD Program in Virology, Harvard Medical School, PhD Thesis Defense Committee Member for Radwa Sharaf, Po-Ting Liu, Phillip Tomezsko

2019 Reviewer, Conferences on Retroviruses and Opportunistic Infections (CROI)

2019 Committee Member, CGT4HIV Cure Meeting 2019, Organizing committee

2019 Reviewer, NIH Special Emphasis Panel Study Section

2021 Ad-hoc reviewer, The Netherlands Organisation for Scientific Research (NWO/ZonMw), Vici programme

2022 - Present Ad-hoc reviewer, NIH, F31 Study section, Infectious Diseases and Immunology C Fellowship review panel

### Advisory Boards

2020 - Present Board Member, Cell Reports Medicine, Cell Press

2020 - Present Board Member, Journal of Infectious Diseases, The Infectious Diseases Society of America

### Journal Service

#### *Editor/Associate Editor*

2015 Editor, Guest Editor, Journal of Virus Eradication, Guest Editor, Journal of Virus Eradication

#### *Reviewer*

2018 - Present Reviewer, Ad hoc reviewer, Cell, Nature Medicine, Nature Immunology, Immunity, Science Translational Medicine, Cell Host Microbe, Journal of Clinical Investigation, Annals of Internal Medicine, PNAS, Nature Communications, Cell Reports, Cell Reports Medicine, Cell Reports Methods, eLife, Scientific Report, mBio, PLoS Pathogens, Retrovirology, Journal of Virology, Journal of Infectious Diseases, Journal of Biological Chemistry, EMBO Molecular Medicine, ACS Infectious Diseases, Journal of AIDS, Trends in Molecular Medicine, Journal of Infection, Nucleic Acids Research, Ad hoc reviewer

### Professional Service for Professional Organizations

#### *American Society for Microbiology*

2011 - 2017 American Society for Microbiology, Member

#### *Johns Hopkins University School of Medicine*

2014 - 2015 Johns Hopkins University School of Medicine, Research Associate

2015 - 2017 Faculty Member, Johns Hopkins University School of Medicine, Instructor in Medicine

2017 Faculty Member, Johns Hopkins University School of Medicine, Assistant Professor of Medicine

**Meeting Planning/Participation**

2016	Moderator, American Society for Microbiology Annual Meeting, Co-convener, New Frontiers in HIV Cure session, American Society for Microbiology Annual Meeting (ASM Microbe), Boston, 2016
2018	Moderator, Cold Spring Harbor Meetings on Retroviruses, Panelist and moderator, "HIV reservoirs and latency – What are they and how can we tackle them?"
2018	Moderator, AIDS 2018, The International AIDS Society Meeting, Co-Chair, "Poking, prodding and purging the final reservoir frontier" session
2018 - 2019	Reviewer, 2019: Conferences on Retroviruses and Opportunistic Infections (CROI)
2019	Committee Member, CGT4HIV Cure 2019
2019 - Present	Reviewer, Conferences on Retroviruses and Opportunistic Infections
2019	Moderator, Keystone Symposia, Functional Cures and the Eradication of HIV (X8)
2019	Moderator, Cold Spring Harbor Meetings on Retroviruses
2019	Committee Member, CGT4HIV Cure 2019, Organizing committee
2020 - Present	Representative, Yale University, Intersections Science Fellow Symposium, faculty representative for Department of Microbial Pathogenesis
2021 - Present	Chairperson, Cold Spring Harbor Meeting on Retroviruses, Co-Chair for session "Integration"

**Yale University Service***Medical School Committees*

2019 - Present	Representative, Yale University, Faculty representative, medical student curriculum
2020 - Present	Representative, Yale University, Faculty Council, representative for Department of Microbial Pathogenesis
2021 - Present	Ad-hoc reviewer, Yale University, Admission Committee, MD/PhD Program
2021 - Present	Committee Member, Yale University School of Medicine, Faculty Advisory Council

*Departmental Committees*

2018 - Present	Committee Member, Harvard University, PhD Dissertation Committee Member for Harvard Virology PhD Program: Radwa Sharaf, Po-Ting Liu, Phillip Tomezko
2018 - Present	Committee Member, Yale University, Yale BBS PhD Program Microbiology Track admission committee
2019 - Present	Committee Member, Yale University, PhD thesis committee for Elizabeth Nand, Microbiology Track, Yale BBS PhD program
2019 - Present	Committee Member, Yale University, Microbiology Annual Retreat Committee
2020 - Present	Committee Member, Yale University, Microbiology seminar committee
2020 - Present	Committee Member, Yale University, Safety Committee member for Department of Microbial Pathogenesis

2021 - Present      Committee Member, University of Massachusetts, Thesis defense committee member for UMass MD/PhD student Noah Silverstein

#### *Government and NGO Committees*

2021 - Present      Committee Member, HIV Persistence During Therapy Workshop

### Bibliography:

#### Peer-Reviewed Original Research

1. Chuang YM, Tseng SP, Teng LJ, **Ho YC**, Hsueh PR. Emergence of cefotaxime resistance in *Citrobacter freundii* causing necrotizing fasciitis and osteomyelitis. *The Journal Of Infection* 2006, 53: e161-3. [PMID: 16375973](#), [DOI: 10.1016/j.jinf.2005.11.002](#).
2. **Ho YC**, Shih TT, Lin YH, Hsiao CF, Chen MY, Hsieh SM, Sheng WH, Sun HY, Hung CC, Chang SC. Osteonecrosis in patients with human immunodeficiency virus type 1 infection in Taiwan. *Japanese Journal Of Infectious Diseases* 2007, 60: 382-6. [PMID: 18032839](#).
3. **Ho YC**, Sun HY, Chen MY, Hsieh SM, Sheng WH, Chang SC. Clinical presentation and outcome of toxoplasmic encephalitis in patients with human immunodeficiency virus type 1 infection. *Journal Of Microbiology, Immunology, And Infection = Wei Mian Yu Gan Ran Za Zhi* 2008, 41: 386-92. [PMID: 19122919](#).
4. Sun HY, Kung HC, **Ho YC**, Chien YF, Chen MY, Sheng WH, Hsieh SM, Wu CH, Liu WC, Hung CC, Chang SC. Seroprevalence of hepatitis A virus infection in persons with HIV infection in Taiwan: implications for hepatitis A vaccination. *International Journal Of Infectious Diseases : IJID : Official Publication Of The International Society For Infectious Diseases* 2009, 13: e199-205. [PMID: 19208490](#), [DOI: 10.1016/j.ijid.2008.12.009](#).
5. **Ho YC**, Wang JL, Wang JT, Wu UI, Chang CW, Wu HS, Chen CH, Chuang YM, Chang SC. Prognostic factors for fatal adult influenza pneumonia. *The Journal Of Infection* 2009, 58: 439-45. [PMID: 19386366](#), [DOI: 10.1016/j.jinf.2009.03.007](#).
6. **Ho YC**, Chang SC, Lin SR, Wang WK. High levels of *mecA* DNA detected by a quantitative real-time PCR assay are associated with mortality in patients with methicillin-resistant *Staphylococcus aureus* bacteremia. *Journal Of Clinical Microbiology* 2009, 47: 1443-51. [PMID: 19279177](#), [PMCID: PMC2681853](#), [DOI: 10.1128/JCM.01197-08](#).
7. Thayil SM, **Ho YC**, Bollinger RC, Blankson JN, Siliciano RF, Karakousis PC, Page KR. Mycobacterium tuberculosis complex enhances susceptibility of CD4 T cells to HIV through a TLR2-mediated pathway. *PloS One* 2012, 7: e41093. [PMID: 22844428](#), [PMCID: PMC3402510](#), [DOI: 10.1371/journal.pone.0041093](#).
8. Wu UI, Wang JT, **Ho YC**, Pan SC, Chen YC, Chang SC. Factors associated with development of complications among adults with influenza: a 3-year prospective analysis. *Journal Of The Formosan Medical Association = Taiwan Yi Zhi* 2012, 111: 364-9. [PMID: 22817813](#), [DOI: 10.1016/j.jfma.2011.04.005](#).
9. **Ho YC**, Shan L, Hosmane NN, Wang J, Laskey SB, Rosenbloom DI, Lai J, Blankson JN, Siliciano JD, Siliciano RF. Replication-competent noninduced proviruses in the latent reservoir increase barrier to HIV-1 cure. *Cell* 2013, 155: 540-51. [PMID: 24243014](#), [PMCID: PMC3896327](#), [DOI: 10.1016/j.cell.2013.09.020](#).

10. Yukt SA, Boritz E, Busch M, Bentsen C, Chun TW, Douek D, Eisele E, Haase A, **Ho YC**, Hütter G, Justement JS, Keating S, Lee TH, Li P, Murray D, Palmer S, Pilcher C, Pillai S, Price RW, Rothenberger M, Schacker T, Siliciano J, Siliciano R, Sinclair E, Strain M, Wong J, Richman D, Deeks SG. Challenges in detecting HIV persistence during potentially curative interventions: a study of the Berlin patient. *PLoS Pathogens* 2013, 9: e1003347. [PMID: 23671416](#), [PMCID: PMC3649997](#), [DOI: 10.1371/journal.ppat.1003347](#).
11. Chiu YL, Shan L, Huang H, Haupt C, Bessell C, Canaday DH, Zhang H, **Ho YC**, Powell JD, Oelke M, Margolick JB, Blankson JN, Griffin DE, Schneck JP. Sprouty-2 regulates HIV-specific T cell polyfunctionality. *The Journal Of Clinical Investigation* 2014, 124: 198-208. [PMID: 24292711](#), [PMCID: PMC3871241](#), [DOI: 10.1172/JCI70510](#).
12. **Ho YC**, Laird GM, Siliciano RF. Measuring reversal of HIV-1 latency ex vivo using cells from infected individuals. *Proceedings Of The National Academy Of Sciences Of The United States Of America* 2014, 111: 6860-1. [PMID: 24799684](#), [PMCID: PMC4024879](#), [DOI: 10.1073/pnas.1405194111](#).
13. **Ho YC**, Siliciano JD. Efforts to eliminate the latent reservoir in resting CD4+ T cells: strategies for curing HIV-1 infection. *Journal Of Virus Eradication* 2015, 1: 229-31. [PMID: 27482420](#), [PMCID: PMC4946652](#).
14. Bruner KM, Murray AJ, Pollack RA, Soliman MG, Laskey SB, Capoferri AA, Lai J, Strain MC, Lada SM, Hoh R, **Ho YC**, Richman DD, Deeks SG, Siliciano JD, Siliciano RF. Defective proviruses rapidly accumulate during acute HIV-1 infection. *Nature Medicine* 2016, 22: 1043-9. [PMID: 27500724](#), [PMCID: PMC5014606](#), [DOI: 10.1038/nm.4156](#).
15. Pollack RA, Jones RB, Perteua M, Bruner KM, Martin AR, Thomas AS, Capoferri AA, Beg SA, Huang SH, Karandish S, Hao H, Halper-Stromberg E, Yong PC, Kovacs C, Benko E, Siliciano RF, **Ho YC**. Defective HIV-1 Proviruses Are Expressed and Can Be Recognized by Cytotoxic T Lymphocytes, which Shape the Proviral Landscape. *Cell Host & Microbe* 2017, 21: 494-506.e4. [PMID: 28407485](#), [PMCID: PMC5433942](#), [DOI: 10.1016/j.chom.2017.03.008](#).
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#### Invited Editorials and Commentaries

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