

FRANK MALDARELLI, M.D., PH.D.
CURRICULUM VITAE

Education:

1985	M.D., Mount Sinai School of Medicine, New York, New York
1985	Ph.D. (Biomedical Sciences), City University of New York, New York Advisor: Mary Jane Yagi
1978	B.A. (Biology), Johns Hopkins University, Baltimore, Maryland

Board Certification:

1998, 2008	Infectious Diseases
1989	Internal Medicine

Brief Chronology of Employment:

2018-present	Senior Investigator and Head, Clinical Retrovirology Section, HIV Dynamics and Replication Program (HIV DRP; formerly HIV Drug Resistance Program), National Cancer Institute (NCI), Frederick, Maryland
2012-2018	Investigator and Head, Clinical Retrovirology Section, HIV DRP, NCI, Frederick, Maryland
1999-2012	Staff Physician, HIV DRP, NCI, Frederick, Maryland
1998-1999	Clinical Associate, HIV DRP, NCI, Frederick, Maryland
1996-1998	Clinical Associate, National Institute of Allergy and Infectious Diseases (NIAID), Bethesda, Maryland
1995-1996	Senior Staff Fellow, Laboratory of Molecular Microbiology, NIAID, Bethesda, Maryland
1988-1995	Medical Staff Fellow, Laboratory of Molecular Microbiology, NIAID, Bethesda, Maryland
1985-1988	Internship/Residency, Internal Medicine, The Presbyterian Hospital, New York, New York
1978-1985	M.D.-Ph.D. Student, Mount Sinai School of Medicine, New York, New York
1977-1978	Research Assistant, Johns Hopkins Medical Institutions, Baltimore, Maryland
1975-1977	Research Assistant, Baltimore Cancer Research Center, Baltimore, Maryland

Honors and Other Special Scientific Recognition:

NCI Tenure, October 2018
NCI Director's Award, NCI HIV Integration Sites Analysis Group, 2015
NCI Leading Diversity Award, 2010
Staff Recognition Awards, 2001, 2003-2006
NIH Fellows Committee Training Recognition, 2001
Special Act/Service Award, 2000

Merck Award for Clinical Excellence, 1985
Mt. Sinai Graduate Training Grant, 1982-1985
Alpha Omega Alpha, 1984
Medical Scientist Training Grant, 1978-1982
Omicron Delta Pi, Johns Hopkins University Chapter, 1978
Desmond Costello Memorial Scholarship, 1974-1978

Editorial Activities:

Editorial Board:

Journal of Virology, 2016-present
Frontiers in Microbiology, 2015-present
AIDS Research and Therapy, 2012-present
Current Treatment Options in Infectious Diseases, 2002-2003

Ad Hoc Reviewer:

AIDS Research and Human Retroviruses, 2014, 2018-present
Journal of Clinical Investigation, 2017-present
PLoS Pathogens, 2009-present
Retrovirology, 2009-present
Antimicrobial Agents and Chemotherapy, 2006-present
Journal of Virology, 2005-present
Journal of Infectious Diseases, 2003-present
Virus Evolution, 2016
Journal of the American Medical Association, 2014
HIV Medicine, 2011
Proceedings of the National Academy of Sciences USA, 2007-2008, 2011
Antiviral Therapy, 2010
PLoS ONE, 2006-2009

Conference Chairmanships and Organizing Activities:

Scientific Committee, International Workshop on HIV Drug Resistance, 2013-present
Co-Chair, Session on Children and Adolescents: Clinical Implications of Resistance for Treatment and Prevention Strategies, XXV International HIV Drug Resistance Workshop, Boston, Massachusetts, 2016

Committees and Boards:

Member, FDA Blood Products Advisory Committee, 2022- present
Director, NIH Medical Scientist Partnership Program, 2022-present
Member, Executive Committee, NIH Oxford-Cambridge Scholars Program
Chair, Site Visit Review Team Lab. Molecular Virology, CBER/FDA, 2022
Deputy Director, NIH MD/PhD Partnership Training Program 2021-2022
Member, Scientific Advisory Board,
Pediatric Adolescent Virus Elimination Collaboratory, 2021-present
Member, Scientific Advisory Board, Qura Therapeutics, 2020-present

Chair, Data Safety and Monitoring Board, UMGCCC protocol “CALIBER”, 2020-present
Member, NHLBI Data Safety and Monitoring Board.
Faculty, NIH Foundation for Advanced Education in the Sciences (FAES) Human Virology
Course, 2014-present
Faculty, NIH Medical Research Scholars Program, 2012-present
NCI Liaison, HIV Molecular Monitoring Core (Leidos), 2011-present

Member, Scientific Advisory Committee, American Federation of AIDS Research, 2011-present
Member, U.S. Food and Drug Administration (FDA) Antimicrobial Drugs Advisory Committee (formerly Anti-Infective Drugs Advisory Committee), 2008-present
Faculty, NIH Translational Research in Clinical Oncology course (TRACO), 2006-present
Consultant to the Division of Antiviral Drug Products, FDA, 2002-present
Faculty, CBC Infectious Diseases Board Review Course, J. Bennett and H. Masur, Directors, 2000-present
Member, Center of Excellence in HIV/AIDS & Cancer Virology, Center for Cancer Research, NCI, 2000-present
Member International Society of Infectious Disease (IDSA) Standards and Practices Guidelines Committee, 2004-2006
Faculty, IDSA HIV Training Program, 1999-2006
Faculty, PHIDISA (South Africa Partnership) Clinical Research Training Program, 2004-2005
Member, Review Committee, University of California University-Wide AIDS Research Program, 2001-2004
Faculty, American Society of Consultant Pharmacists HIV/AIDS Pharmacotherapy Traineeship, 1999-2004

Grant Reviewer (External):

Member, FDA CBER Laboratory Site Visit Review, 2022
Member, Swiss National Science Foundation Review, 2015-present
Member, Ad Hoc Review Panel for Wellcome Trust Fellowship, 2013-present
Member, Review Panel, AIDS FONDS Netherlands, Amsterdam, Netherlands, 2010-2016
Member, Ad Hoc Review Panel for KU Leuven Research Council, University of Leuven, Belgium, 2013
Member, Ad Hoc Review Panel for Supplemental Centers for AIDS Research (CFAR) Grant Funding, 2013
Member, Ad Hoc Review Panel for Supplemental Delaney Grant Funding, 2012
Member, Review Panel, Henry M. Jackson Foundation for the Advancement of Military Medicine, proposal, 2011

NIH Committees, Review Panels, and Study Sections:

Director NIH Medical Scientist Partnership Program 2022-present
Associate Director, NIH MD/PhD Partnership Program 2021-2022
Member Ox-Cam Executive Committee 2021-present
Member, Scientific Monitoring Committee, Protocol # 000236, "Empagliflozin for Neutropenia"
Chair, Search Committee, Critical Care Medicine Department, 2020-2021
Member Data Safety and Monitoring Board, National Heart, Lung and Blood Institute, 2020-present
Chair, NCI Non-Human Primate Scientific Review Committee, 2017-present
Member, NIAID Scientific Review Committee, 2000-present
Member, NIH Infectious Disease Advisory Board, 1999-present
Member, NIAID Safety Monitoring Committee for IND 137523
Judge, NCI Staff Scientist and Staff Clinician (SSSC) Retreat, 2017-present
Reviewer, NCI Graduate Student Recruiting Program, 2017
Member, NIAID Safety Monitoring Committee, Protocol 16-CC-0112
Member, NIAID Safety Monitoring Committee, Protocol 13-I-0081
Member, NIAID Safety Monitoring Committee, Protocol 11-I-0259

Member, Ad Hoc Committee Intramural Research Integrity Investigation, 2014
Member, Review Panel, NIAID, P01 Special Emphasis Panel Review, 2012
Member, NIH National Graduate Student Research Festival (NGSRF) Abstract Review, 2010
Member, Review Panel, NIH Challenge Grants in Health and Science Research, 2009
Member, Review Panel, NIH Support for Conferences and Scientific Meetings, 2009

Chair, NIAID Institutional Review Board (IRB), 2005-2006
 Member, NIAID IRB, 1999-2006
 Vice-Chair, NIAID IRB, 2004-2005
 Member, NIAID Introduction to Biomedical Research Program, 1991-1997
 Member, Review Committee, National Cooperative Drug Discovery Groups for the Treatment of HIV Infections (NCDDG-HIV), 1996

Clinical Activities:

2003-present	Attending NIAID/CCMD Clinic
1998-present	Clinic Staff Physician, NIAID/CCMD Clinic
1999-2008	Attending, NIH Infectious Disease Consult Service
1998-2002	Attending, NCI HIV and AIDS Malignancy Program
1999-2001	Attending, NIH General Medicine Consult Service

Clinical Protocols, Principal Investigator:

2013-present	A Double Blind Randomized Placebo Controlled Study Examining the Effects of a Non-absorbable (Rifaximin) Antibiotic on the Chronic Immune Activation Observed in HIV-infected Subjects
2011-present	Effect of Interferon Alpha 2b Intensification on HIV-1 Residual Viremia in Individuals Suppressed on Antiretroviral Therapy
2008-present	Analysis of HIV-1 Replication During Antiretroviral Therapy
2002-present	HIV Expression in Patients with Viral Loads Suppressed on HAART
2001-present	An Assessment of the Relationship Between Antiretroviral Drug Genotype/Phenotype (IC ₅₀) and Antiretroviral Activity in HIV-Infected, Drug-Experienced Patients with Suboptimal Suppression of Plasma Viral Load
2006-2017	A Randomized Placebo Controlled Trial of Atorvastatin in HIV Positive Patients Not on Antiretroviral Medications with the Specific Aims of Studying the Effects of Atorvastatin on HIV Viral Load and Immune Activation Markers
2007-2008	Use of Combination Antiviral Therapy to Delineate the Identity and Longevity of Persistent Reservoirs of HIV-1 Infection and Replication
2001-2008	Clinical, Virologic, and Immunologic Evaluation and Monitoring of Patients with Known or Suspected HIV Infection (Co-PI)
2000-2008	Analysis of Genetic Variation in Patients prior to Initiation of Highly Active Antiretroviral Therapy
2006	Use of TMC-114 for Post-Exposure Prophylaxis to Drug Resistant HIV-1 (Emergency IND)
2001-2002	Voriconazole – An Open Label Noncomparative Protocol for the Emergency Use of Voriconazole Who Are Failing on Currently Available Antifungal Agents

Clinical Protocols, Associate Investigator (Selected):

2022-present	Imaging and Biopsy of HIV-Infected Individuals Undergoing Analytic Treatment Interruption
2016-present	Phase 1 Trial of Pomalidomide in Combination with Liposomal Doxorubicin in

Patients with Advanced or Refractory Kaposi Sarcoma

- 2016-present Phase I Study of MK-3475 (Pembrolizumab) in Patients with Human Immunodeficiency Virus (HIV) and Relapsed/Refractory or Disseminated Malignant Neoplasm
- 2015-present Safety and Feasibility of Stem Cell Gene Transfer following r-EPOCH for Non-Hodgkin Lymphoma in AIDS Patients Using Peripheral Blood Stem/ Progenitor Cells Treated with a Lentivirus Vector Encoding Multiple Anti-HIV RNAs
- 2013-present Characterization and Management of Patients with HIV-1 Infection Who Experience Virologic Failure Despite Combination Antiretroviral Therapy
- 2011-present Collection of Blood, Bone Marrow, Tumor, or Tissue Samples from Patients with HIV Infection, KSHV Infection, Viral-related Pre-malignant Lesions, and/or Cancer
- 2002-present Leukapheresis Procedures to Obtain Plasma and Lymphocytes for Research Studies on Antiretroviral Naive HIV-Infected Individuals
- 2011-2015 A Pilot Trial Assessing the Feasibility of Delivering Topical MTS-01 to Reduce Dermatitis in Patients Receiving Intensity Modulated Radiation with Concurrent 5-Fluoruracil and Mitomycin-C for Stage I-III Carcinoma of the Anal Canal
- 2002-2005 Therapeutic Drug Monitoring and Viral Resistance Testing in the Treatment of HIV-Infected Children
- 2002-2004 Phase I Study of Tenofovir Disoproxil Fumarate (PMPA Prodrug), a Nucleotide Analog Reverse Transcriptase Inhibitor in Children with HIV Infection

Teaching and Mentoring:

- 2020-present NIH Medical Research Scholar (Matthew Adan)
- 2020-present Postdoctoral Fellow (Thuy Nguyen, Ph.D.)
- 2019-present Postbaccalaureate Fellow (Mary-Elizabeth Zipparo)
- 2019-present Postbaccalaureate Fellow (Lindsey Adams)
- 2019-present Postdoctoral Fellow (Erin Madeen, Ph.D.)
- 2019-present Postbaccalaureate Fellow (James Virga)
- 2018-2020 Postdoctoral Fellow (Kristi Huik, Ph.D.)
- 2018-2020 Intramural Research Training Fellow (Natalie Lindo)
- 2015-2020 Postdoctoral Fellow (Camille Lange, Ph.D.)
- 2014-present Georgetown Faculty (Seble Kassaye, M.D.)
- 2012-present Infectious Diseases Laboratory Research Graduate Fellow and Research Collaborator (Sarah Watters, M.S., University College London)
- 1998-present Clinical Infectious Disease Attending: supervising infectious disease fellows, medical residents, medical students
- 2018-2020 Postbaccalaureate Fellow (Natalie Lindo)
- 2018-2019 Postbaccalaureate Fellow (Monica Gouzoulis)

2017-2018	Medical Student (Paula Rote)
2013-2016	Research Fellow (Junko Hattori, Ph.D.)
2011-2016	Intramural Research Training Fellow (Elizabeth Anderson)
2014-2015	Medical Student (Charmaine Peters, University of Utrecht)
2013-2015	Postdoctoral Fellow (Francesco Simonetti, M.D.)
2012-2013	Intramural Research Training Fellow (Daniel Kordella)
2011-2012	Infectious Disease Research Fellow (Eleanor Wilson, M.D.)
2009-2011	Staff Clinician (Karoll Cortez, M.D.)
2008-2010	Intramural Research Training Fellow (Tiffany Tanzosh)
2008-2010	Intramural Research Training Fellow (Carrie Poethke)
2008-2009	Postdoctoral Fellow (Francesca Cossarini, M.D.)
2002-2008	Greater Washington Infectious Disease Society, NIH Presentations Coordinator
2007	Mentor for CROI Graduate Student Young Investigator Grant Awardee (Nadia Urban)
2006	Mentor for CROI Graduate Student Grant Awardee (Shalika Basnayake, M.D.)
2005-2006	NIH Mentor, NIH Medical School Summer Student Program
2004	NIH Mentor, The Washington Center
1994-1997	NIAID Senior Staff Fellow: supervising research fellow (E. Berthold, Ph.D.)
1991-1997	Mentor, NIAID Introduction to Biomedical Research Program: supervising college and medical students
1986-1988	Medical Resident: supervising medical interns, residents, and medical students

Employee Invention Reports:

- “Identification of Recent HIV-1 Infection by Genotypic Analysis”; submitted 2009; Inventor: Frank Maldarelli; Co-Inventors: Wei Shao, Mary Kearney, Robin Dewar, Tauseef Rehman, John M. Coffin, and John W. Mellors.
- “A Feasible, Affordable Strategy to Obtain Single Genome Sequences (SGS) of HIV-1 from Patient Plasma”; submitted 2007; Inventor: John M. Coffin; Co-Inventors: Sarah Palmer, Mary Kearney, Frank Maldarelli, and John W. Mellors.

Intramural Research Funding:

- NIH Bench-to-Bedside Award, 2020-2021. Co-Principal Investigator with Eric Freed. Title: Development of Second-Generation HIV-1 Maturation Inhibitors.
- NIH Office of AIDS Research (OAR) Congressional Funding, 2017-2020. Co-Principal Investigator with Mary Kearney (HIV DRP). Title: Specific HIV integration Sites in Clonal Expansion/Persistence of Infected Cells.
- NIH Bench-to-Bedside Award, 2018. Principal Investigator. Title: Novel Bacteriophage T4 Nanoparticle for Targeted Gene Therapy.
- NIH U01 Award, 2014-2018. NIH Collaborating Investigator. Title: Safety and Feasibility of Stem Cell Gene Transfer Following R-EPOCH for Non-Hodgkin Lymphoma in AIDS Patients Using Peripheral Blood Stem/Progenitor Cells Treated with a Lentivirus Vector-Encoding Multiple Anti-HIV RNAs.
- NIH OAR Intramural Research Award, 2017. Principal Investigator. Title: Obtaining Full Length HIV Sequences from Early HIV Epidemic Samples Stored at NIH.

NIH Intramural AIDS Targeted Antiviral Program (IATAP) Research Award, 2017-2018. Co-Principal Investigator with Ira Pastan (NCI). Title: Mechanisms of Persistence During Antiretroviral Therapy.

NIH IATAP Research Award, 2015-2016. Co-Principal Investigator with Ira Pastan (NCI). Title: Impact of TB on HIV Reservoirs: Implications for a Scalable HIV Cure.

NIH Bench-to-Bedside Award, 2014-2015. Co-Investigator with Mary Kearney (HIV DRP), Bradford Wood (NIH Clinical Center), and John Mellors (University of Pittsburgh). Title: Localizing Reservoirs of HIV Persistence in Lymphoid Tissue.

NIH IATAP Research Award, 2013-2014. Principal Investigator. Title: Origin of HIV Persistence during Suppressive Antiretroviral Therapy.

NIH Bench-To-Bedside Award, 2010-2011. Co-Investigator with Mary Kearney (HIV DRP), Eric Daar (UCLA), and Joseph Margolick (Johns Hopkins Bloomberg School of Public Health). Title: New Bioinformatic Approach to Determine HIV Incidence.

NIH Bench-To-Bedside Award, 2010-2011. Co-Investigator with Mary Kearney (HIV DRP), Deborah McMahon (University of Pittsburgh), and Anuradha Ganesan (National Naval Medical Center). Title: Role of Gut-Associated Lymphoid Tissue in HIV-1 Persistence.

NIH Bench-to-Bedside Award, 2010-2012. Co-Investigator. Principal Investigator: Vinay Pathak (HIV DRP). Co-Investigators: Wei-Shau Hu and Alan Rein (HIV DRP); Rafe de Vere White and Hsing-Jien Kung (University of California, Davis). Title: Control of χ MRV Replication in PBMCs and Prostate Carcinomas.

NIH Bench-to-Bedside Award, 2007-2008. Co-Investigator with Erin Reid (University of California, San Diego). Title: New Strategies to Decrease and Eradicate HIV-1 Reservoirs.

NIH Bench-to-Bedside Award, 2007-2008. Co-Investigator with Indira Hewlett (FDA) and Lisa Frenkel (University of Washington). Title: Development and Evaluation of a Quantitative Nanoparticle HIV-1 p24 Antigen Assay for Potential Use in Monitoring Antiretroviral Treatment.

NIAID SAIC Contract with University of Pittsburgh for Clinical Research, 2006.

NIH Bench-to-Bedside Award, 2005-2006. Co-Investigator with Deborah Persaud (Johns Hopkins Medical Institutions). Title: Genetic Characteristics of HIV-1 During Suppressive Antiretroviral Therapy.

NIH Bench-to-Bedside Award, 2004-2005. Co-Investigator. Principal Investigator: Vinay Pathak (HIV DRP). Co-Investigator: Caryn Morse (NIH Clinical Center). Title: Role of HIV-1 RNase H in Developing Resistance to Nucleoside Analogs.

NIH Bench-to-Bedside Award, 2003-2004. Principal Investigator. Title: Role of HIV Recombination in HIV-1 Drug Resistance in Vitro and in Vivo.

Societies:

American Society for Microbiology
 Greater Washington Infectious Disease Society
 Infectious Diseases Society of America
 American Association for the Advancement of Science

Invited Talks (Since 2001):

36th National Meeting of Japanese Society for AIDS Research, Hamamatsu, Japan, 2022
University of North Carolina Chapel Hill North Carolina, 2022
Drexel University Sch. Medicine Philadelphia, Pennsylvania 2022
University of Maryland Institute of Human Virology, Baltimore Maryland 2021
PACT Project Neighborhood Lecture Series, Washington, D.C., 2008-present
33rd National Meeting of Japanese Society for AIDS Research, Kumamoto, Japan, 2019
Palm Springs Symposium on HIV/AIDS, “New Horizons in AIDS Research,” Palm Springs, California, 2019
University of Iowa, Iowa City, Iowa, 2019
St. Vincent’s Center for Applied Medical Research, Sydney, Australia, 2018
Kirby Institute/New South Wales, Sydney, Australia, 2018
Indonesian Health Care PROACTIV Study, Jakarta, Indonesia, 2018
George Mason University, Manassas, Virginia, 2018
Uniformed Services University of the Health Sciences, Bethesda, Maryland, 2018
Yale University School of Medicine, Microbiology Department, New Haven, Connecticut, 2018
NIH Intramural NeuroHIV Research Workshop, Bethesda, Maryland, 2018
Laboratory of Viral Diseases, NIAID, Bethesda, Maryland, 2018
Annual CFAR Symposium, Cleveland, Ohio, 2017
Invited Lecturer, The Johns Hopkins University Post-Graduate Programs, Baltimore, Maryland, 2003-2016
Infectious Disease Clinical Research Program (IDCRP), Uniformed Services University of the Health Sciences, Bethesda, Maryland, 2016
Carroll Community College STEM Festival, Westminster, Maryland, 2016
Johns Hopkins University, Department of Biology, Baltimore, Maryland, 2016
NIH Intramural NINDS Neuro HIV Retreat, Bethesda, Maryland, 2016
23rd International HIV Dynamics and Evolution Conference, Woods Hole, Massachusetts, 2016
8th Stem Cell Clonality and Genome Stability Retreat, New Orleans, Louisiana, 2015
Georgia Regents University Hospital Medical Grand Rounds, Augusta, Georgia, 2014
Grand Rounds, Suburban Hospital, Bethesda, Maryland, 2014
AIDS Day Commemoration, University of Pittsburgh PA/MidAtlantic AIDS Education and Training Program, Pittsburgh, Pennsylvania, 2014
16th Annual Norman P. Salzman Memorial Symposium in Virology, Bethesda, Maryland, 2014
University of North Carolina Virology Colloquium, Chapel Hill, North Carolina, 2014
Institute for Human Virology 16th Annual Meeting, Baltimore, Maryland, 2014
HIV/AIDS in Eastern Europe and Central Asia, Moscow, Russia, 2014 (unable to attend on advice from U.S. State Department)
NIH Clinical Grand Rounds, Bethesda, Maryland, 2012, 2013, 2014
NCI-Frederick Faculty Seminar Series, Frederick, Maryland, 2011, 2013, 2014
20th Conference on Retroviruses and Opportunistic Infections, Atlanta, Georgia, 2013
National Institute of Infectious Disease, Tokyo, 2013 (unable to attend due to U.S. government shutdown)
Nagoya University, Nagoya, Japan, 2013
Invited Lecturer, Uniformed Services University of the Health Sciences School of Medicine, Bethesda, Maryland, 2007, 2009, 2011, 2013
Viruses, Genes, and Cancer, Instituto Veneto di Scienze, Lettere ed Arti, Venice, Italy, 2012
Banbury Conference on Chronic Fatigue Syndrome, Cold Spring Harbor, New York, 2012
Keynote Speaker, Johns Hopkins Biotechnology, Center for Talented Youth, Rockville,

Maryland, 2012

Keynote Speaker, AIDS Day Commemoration, Austin, Texas, 2011

Consultation on Advancing HIV Incidence Surveillance, Centers for Disease Control and Prevention, Atlanta, Georgia, 2011

International AIDS Society (IAS) Controversies in HIV Cure Research, Rome Italy, 2011
American Society for Microbiology Conference of Undergraduate Educators, Baltimore, Maryland, 2011
Division of AIDS Prevention Sciences Program Potential Biomarkers for HIV Incidence Assay Development, Bethesda, Maryland, 2011
IAS Pre-Conference Workshop: Towards a Cure: HIV Reservoirs and Strategies to Control Them, Vienna, Austria, 2010
Mount Sinai School of Medicine Infectious Diseases Grand Rounds, New York, New York, 2010
National Institute of Infectious Disease, Tokyo, Japan, 2010
Nagoya University, Nagoya, Japan, 2010
SAIC Translational Research Seminar Series, Frederick, Maryland, 2010
17th Conference on Retroviruses and Opportunistic Infections, San Francisco, California, 2010
Keynote Speaker, Johns Hopkins Biotechnology, Center for Talented Youth, Rockville, Maryland, 2010
Division of AIDS, NIAID, Bethesda, Maryland, 2010
Aaron Diamond AIDS Research Center, New York, New York, 2009
Center for Cancer Research Grand Rounds, Bethesda, Maryland, 2009
NIH Clinical Grand Rounds, Bethesda, Maryland, 2009
XVII International HIV Drug Resistance Workshop, Sanibel Island, Florida, 2009
Division of AIDS, NIAID, Bethesda, Maryland, 2009
Workshop on Eliminating Viral Persistence and Eradicating HIV Infection, Washington, D.C., 2008
XVI International HIV Drug Resistance Workshop, Sitges, Spain, 2008
Grand Rounds, Washington Hospital Center, Washington, D.C., 2008
NIAID Grand Rounds, NIH, Bethesda, Maryland, 2007
Viral Genomics Workshop, Broad Institute, MIT/Harvard, Cambridge, Massachusetts, 2007
Cold Spring Harbor Laboratory Meeting on Retroviruses, Cold Spring Harbor, New York, 2007
13th Conference on Retroviruses and Opportunistic Infections, Denver, Colorado, 2007
17th Annual HIV Symposium, Nassau University Medical Center, East Meadow, New York, 2006
Pennsylvania/Mid-Atlantic AIDS Education and Training Center, Fairfax, Virginia, 2006
HIV Advanced Clinical Update AIDS Education and Training Center, Fairfax, Virginia, 2005-2006
PACT Project Neighborhood Lecture Series, Washington, D.C., 2005
NCI-Frederick Lecture Series, Frederick, Maryland, 2005
XIV International HIV Drug Resistance Workshop, Quebec City, Canada, 2005
Cold Spring Harbor Laboratory Meeting on Retroviruses, Cold Spring Harbor, New York, 2005
NIAID Grand Rounds, Bethesda, Maryland, 2001-2005
XIII International HIV Drug Resistance Workshop, Tenerife, Spain, 2004
Cold Spring Harbor Laboratory Meeting on Retroviruses, Cold Spring Harbor, New York, 2004
DOD-TACC Joint Meeting, Bethesda, Maryland, 2004
NIH Demystifying Medicine Lecture Series, Bethesda, Maryland, 2004
XII International HIV Drug Resistance Workshop, Cabo St. Lucas, Mexico, 2004
10th International Workshop on HIV Dynamics and Evolution, Lake Arrowhead, California, 2003
Cold Spring Harbor Laboratory Meeting on Retroviruses, Cold Spring Harbor, New York, 2003
Washington Hospital Center Infectious Diseases Lecture Series, Washington, D.C., 2002
NIAID Laboratory of Immunoregulation Lecture Series, Bethesda, Maryland, 2002
NIAID Grand Rounds, Bethesda, Maryland, 2001-2002
NCI-Frederick Lecture Series, Frederick, Maryland, 2001

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BIBLIOGRAPHY

Peer-Reviewed Research Publications:

1. Wulan WN, Yuniastuti E, Arlinda D, Merati TP, Wisaksana R, Lokida D, Grossman Z, Huik K, Lau CY, Susanto NH, Kosasih H, Aman AT, Ang S, Evalina R, Ayu Yuli Gayatri AA, Hayuningsih C, Indrati AR, Kumalawati J, Mutiawati VK, Realino Nara MB, Nurulita A, Rahmawati R, Rusli A, Rusli M, Sari DY, Sembiring J, Udji Sofro MA, Susanti WE, Tandraeliene J, Tanzil FL, Neal A, Karyana M, Sudarmono P, **Maldarelli F**. Development of a multiassay algorithm (MAA) to identify recent HIV infection in newly diagnosed individuals in Indonesia. *iScience*. 2023 Sep 21;26(10):107986. doi: 10.1016/j.isci.2023.107986. PMID: 37854696; PMCID: PMC10579430.
2. Benlarbi M, Richard J, Bourassa C, Tolbert WD, Chartrand-Lefebvre C, Gendron-Lepage G, Sylla M, El-Far M, Messier-Peet M, Guertin C, Turcotte I, Fromentin R, Verly MM, Prévost J, Clark A, Mothes W, Kaufmann DE, **Maldarelli F**, Chomont N, Bégin P, Tremblay C, Baril JG, Trottier B, Trottier S, Duerr R, Pazgier M, Durand M, Finzi A. Plasmatic HIV-1 soluble gp120 is associated with correlates of immune dysfunction and inflammation in ART-treated individuals with undetectable viremia. *J Infect Dis*. 2023 Nov 30;jjad503. doi: 10.1093/infdis/jiad503. Epub ahead of print. PMID: 38035854.
3. Centrosome amplification and aneuploidy driven by the HIV-1-induced Vpr•VprBP•Plk4 complex in CD4+ T cells. *Res Sq*. 2023. Lee K, Park JE, Kim TS, Zeng Y, Monnie C, Alam M, Zhou M, Mikolaj M, **Maldarelli F**, Narayan K, Ahn J, Ashwell J, Strebel K. doi: 10.21203/rs.3.rs-2924123/v1. PMID: 37645926; PMCID: PMC10462243.
4. Immune reconstitution inflammatory syndrome drives emergence of HIV drug resistance from multiple anatomic compartments in a person living with HIV. Lisco A, Lange C, Manion M, Kuriakose S, Dewar R, Gorelick RJ, Huik K, Yu Q, Hammoud DA, Smith BR, Muranski P, Rehm C, Sherman BT, Sykes C, Lindo N, Ye P, Bricker KM, Keele BF, Fennessey CM, **Maldarelli F***, Sereti I*.2023. *Nat Med*. 29:1364-1369.
5. HIV-1 usurps transcription start site heterogeneity of host RNA polymerase II to maximize replication fitness. Nikolaitchik OA, Islam S, Kitzrow JP, Duchon A, Cheng Z, Liu Y, Rawson JMO, Shao W, Nikolaitchik M, Kearney MF, **Maldarelli F**, Musier-Forsyth K, Pathak VK, Hu WS. *Proc Natl Acad Sci U S A*. 2023 120:e2305103120.
6. Kassaye SG, Grossman Z, Vengurlekar P, Chai W, Wallace M, Rhee SY, Meyer WA 3rd, Kaufman HW, Castel A, Jordan J, Crandall KA, Kang A, Kumar P, Katzenstein DA, Shafer RW, **Maldarelli F**. Insights into HIV-1 Transmission Dynamics Using Routinely Collected Data in the Mid-Atlantic United States. *Viruses*. 2022 Dec 25;15(1):68.
7. Lau CY, Adan MA, Earhart J, Seamon C, Nguyen T, Savramis A, Adams L, Zipparo ME, Madeen E, Huik K, Grossman Z, Chimukangara B, Wulan WN, Millo C, Nath A, Smith BR, Ortega-Villa AM, Proschan M, Wood BJ, Hammoud DA, **Maldarelli F**. Imaging and biopsy of HIV-infected individuals undergoing analytic treatment

interruption. *Front Med (Lausanne)*. 2022 Aug 22;9:979756.

8. Huik K, Hill S, George J, Pau A, Kuriakose S, Lange CM, Dee N, Stoll P, Khan M, Rehman T, Rehm CA, Dewar R, Grossman Z, **Maldarelli F**. High-level dolutegravir resistance can emerge rapidly from few variants and spread by recombination: implications for integrase strand transfer inhibitor salvage therapy *AIDS*. 2022 Nov 1;36(13):1835-1840.
9. Uldrick TS, Adams SV, Fromentin R, Roche M, Fling SP, Gonçalves PH, Lurain K, Ramaswami R, Wang CJ, Gorelick RJ, Welker JL, O'Donoghue L, Choudhary H, Lifson JD, Rasmussen TA, Rhodes A, Tumpach C, Yarchoan R, **Maldarelli F**, Cheever MA, Sékaly R, Chomont N, Deeks SG, Lewin SR. Pembrolizumab induces HIV latency reversal in people living with HIV and cancer on antiretroviral therapy *Sci Transl Med*. 2022 Jan 26;14(629):eabl3836.
10. Lau CY, Adan MA, **Maldarelli F**. Why the HIV Reservoir Never Runs Dry: Clonal Expansion and the Characteristics of HIV-Infected Cells Challenge Strategies to Cure and Control HIV Infection. *Viruses*. 2021 Dec 14;13(12):2512. doi: 10.3390/v13122512. PMID: 34960781
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