

CURRICULUM VITAE

Jesse J. Kwiek, PhD

General Information

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Google scholar profile: <http://scholar.google.com/citations?user=tIUy3lsAAAAJ>

Pronouns: he/him/his

Education

- 2002-2007 Post-Doctoral Fellowship - Department of Epidemiology
University of North Carolina at Chapel Hill, Chapel Hill, NC
Primary sponsor: Steve Meshnick (Epidemiology)
Secondary sponsor: Ron Swanstrom (Virology)
- 2003 Ph.D., Pharmacology - University of Virginia, Charlottesville, VA
Advisor: Timothy A.J. Haystead (Pharmacology)
- 1995 B.S., Biochemistry - University of Rochester, Rochester, NY

Professional Appointments

- 2017-2023 Vice Chair for Teaching & Undergraduate Affairs, Department of Microbiology
College of Arts & Sciences, The Ohio State University, Columbus, OH
- 2023-present Professor, Department of Microbiology, College of Arts & Sciences, The Ohio State University, Columbus, OH
- 2014-2022 Associate Professor (with tenure), Department of Microbiology
College of Arts & Sciences, The Ohio State University, Columbus, OH
- 2014-2016 Associate Professor (with tenure), Department of Microbial Infection and Immunity
College of Medicine, The Ohio State University, Columbus, OH
- 2011-2014 Assistant Professor, Department of Microbial Infection and Immunity
College of Medicine, The Ohio State University, Columbus, OH
- 2007-2011 Assistant Professor, Division of Infectious Diseases, Department of Internal Medicine
College of Medicine, The Ohio State University, Columbus, OH
- 2007-2014 Assistant Professor, Department of Microbiology
College of Arts & Sciences, The Ohio State University, Columbus, OH
- 2003-2007 Postdoctoral Fellow, Department of Epidemiology, UNC-Chapel Hill, Chapel Hill, NC
- 2003, 2005 Visiting Scientist, Wellcome Trust Research Labs, Blantyre, Malawi (2 months each year)
- 2000-2002 Visiting Graduate Student, Department of Pharmacology, Duke University, Durham, NC
Advisor: Dr. T.A.J. Haystead
- 2000 Visiting Graduate Student, Department of Biochemistry, LaTrobe University, Melbourne, Australia
Sponsor: Dr. M. Foley (6 weeks)
- 1997-2002 Graduate Research Fellow, Department of Pharmacology, University of Virginia, Charlottesville, VA
- 1996-1997 Research Technician, Department of Microbiology, University of Virginia, Charlottesville, VA
Supervisor: Dr. Michael J. Weber
- 1995-1996 High School Teacher, Biology and Physical Sciences
The United States Peace Corps, Malawi Ministry of Education, Kasungu, Malawi, Africa
- 1993-1995 Lab Technician (part time), Cancer Center, University of Rochester, Rochester, NY.
Supervisor: Dr. P.C. Keng

Awards, Honors, Distinctions

2019-2020	Invited Participant of President and Provost Leadership Institute (PPLI), OSU. The President and Provost's Leadership Institute (PPLI) focuses on long-term faculty leadership development. The primary goals of the institute are to create a pool of potential leaders and to develop leaders who can create a culture that is supportive of all faculty members.
2019	Finalist, The John T. and Ruth Weimer Mount Award (recognition of commitment to student success), OSU Sphinx and Mortar Board Honor Societies
2017	Recipient, Distinguished Denman (Undergraduate) Research Mentor Award, OSU.
2014	Recipient, ASMCUE-LINK Travel Award to attend ASM Conference for Undergraduate Educators. Boston, MA
2011	Recipient, Young Investigator Award, Perinatal Research Society, (NIH/NICHHD, R13)
2007-2010	Recipient, NIH Pathway to Independence Award, (NICHHD, K99/R00)
2005, 2006	Recipient, Young Investigator Award, Conference on Retroviruses and Opportunistic Infections
2004	Recipient, Travel Award, Course on HIV and Sexually Transmitted Infections, U. of Washington, Seattle, WA
2002-2004	Recipient, Kirschstein National Research Service Award (T32), Infectious Disease Training Grant, UNC-Chapel Hill
1998-2000	Recipient, Predoctoral Fellowship (T32), Pharmacology Training Grant, University of Virginia

Professional and Scientific Service

Various dates	Journal peer-reviewer (<i>ad hoc</i>): American Journal of Tropical Medicine and Hygiene, African Journal of Laboratory Medicine, AIDS, AIDS and Behavior, AIDS Research and Human Retroviruses, Archives of Virology, BMC-Infectious Diseases, BMC-Public Health, Journal of Medical Virology, PLoS One, Retrovirology, Scientific Reports, W.H. Freeman Publishing (textbooks)
2023	Grant Reviewer (<i>ad hoc</i>), Special Emphasis Panel, "Defining Mechanisms of HIV Induced Inflammation and Immune Activation During Suppressive Antiretroviral Therapy," NIH.
2023	Chair & Grant Reviewer (<i>ad hoc</i>), Special Emphasis Panel "Topics on HIV Virology, Pathogenesis and Therapies Study Section," NIH.
2023	Co-organizer, with Dr. Beatriz Sierra, 3 rd Annual Symposium on Sexually Transmitted Diseases: An Integral Approach Varadero, Cuba, June 2023.
2023	Grant Reviewer (<i>ad hoc</i>), HIV Comorbidities and Clinical Studies (HCCS) Study Section, NIH
2022	Grant Reviewer, Alternate Chair, Special Emphasis Panel (ZRG1 IIDB-H), "Topics in HIV and AIDS." National Institutes of Health (CSR).
2022	Grant Reviewer, Special Emphasis Panel (F17A-Z), "AIDS Biological." National Institutes of Health (CSR).
2022	Grant Reviewer, Alternate Chair, Special Emphasis Panel (ZRG1 IDIB-T90S), "AIDS and AIDS Related Research." National Institutes of Health (NIAID).
2021	Grant Reviewer, Special Emphasis Panel (ZRG1 IDIB-T90), "AIDS and AIDS Related Research." National Institutes of Health (NIAID).
2019	Grant Reviewer, The Institute for Clinical and Translational Research (ICTR), ATIP Grant Program. University of Maryland-Baltimore.
2019	Grant Reviewer, OSU Clinical and Translational Science Awards (CTSA) Program of the NIH National Center for Advancing Translational Sciences (NCATS).
2019	Meeting Co-Organizer, with Professor Vivian Kouri from the Cuban Institute of Tropical Medicine: "1 st Annual Symposium on Sexual Transmitted Diseases: An Integral Approach," October 29-31, Havana, Cuba.
2018	Grant Reviewer (<i>ad hoc</i>), AIDS Clinical Studies and Epidemiology (ACE) Study Section, National Institutes of Health
2018	Grant Reviewer, Vice Chair, Special Emphasis Panel (ZRG1 AARR-E), "AIDS and Related Special Topics." National Institutes of Health (NIAID).
2017	External Promotion and Tenure Reviewer, UPENN.
2016	Grant Reviewer, Special Emphasis Panel (ZRG1 AARR-E), "Basic Research on HIV Persistence." National Institutes of Health (NIAID).
2016	Abstract Reviewer, African Society for Laboratory Medicine, ASLM International Conference. Topics: HIV & Malaria.
2016	Grant Reviewer, Chair, Special Emphasis Panel (ZRG1 AARR-K), "AIDS and Related Special Topics." National Institutes of Health (NIAID).
2015	Grant Reviewer, Special Emphasis Panel (ZAI1 TC-M), "NIAID SBIR - Technology Transfer Direct Phase II (SBIR-TT) (R44)." National Institutes of Health.

2015	Grant Reviewer, Special Emphasis Panel (ZRG1 AARR-E), "Basic Research on HIV Persistence." National Institutes of Health (NIAID).
2014	Grant Reviewer, Special Emphasis Panel (ZRG1 AARR-E), "Basic Research on HIV Persistence." National Institutes of Health (NIAID).
2013	Grant Reviewer, Special Emphasis Panel (ZHD1 DSR-A), "Prevention of HIV transmission and acquisition through a better understanding of reproductive health." National Institutes of Health (NICHD).
2012	Grant Reviewer (<i>ad hoc</i>), South African Medical Research Council (MRC). Topic: HIV-1 Mother-to-Child Transmission
2012	Abstract Reviewer, African Society for Laboratory Medicine, ASLM International Conference. Topics: HIV & Malaria.
2012	HIV Session Moderator, Ethiopian Society of Tropical and Infectious Disease Conference. Addis Ababa, Ethiopia.
2011	Grant Reviewer (<i>ad hoc</i>), AIDS Molecular and Cellular Biochemistry (AMCB) Study Section, NIH
2009-2013	Grant Reviewer, American Medical Association Foundation Seed Grant Program. Topic: HIV

Community Service and Outreach

2020	Science Fair Judge, Worthington Central School District Science Day.
2019	Panelist, OSU Center for Ethics and Human Values Conversations About Research Ethics (CARE), "The Researcher as Advocate?" Presented at the OSU STEAM Factory.
2019, 2020, 2021	OSU Experience ASC Day, Co-presented a multidisciplinary lecture to 100 admitted OSU students (and their families). The lecture was titled "HIV: from microbiology to macro history."
2018	Podcast Presenter, History Talk (Origins), "HIV/AIDS: Past Present and Future." Co presented with Thomas McDow and Katherine Lancaster. https://youtu.be/RP_4J3TjLbc
2017	Presenter, "Steal My Idea-Pecha Kucha." Innovate Conference. Innovate brings together educators from OSU and beyond to share, explore and discuss technology-fueled approaches that advance teaching and learning.
2016-2019	Co-host, Pecha Kucha Night (Theme: HIV), in collaboration with Thomas McDow (OSU Department of History) and the Columbus AIDS Resource Center (now Equitas Health). This event showcased the best collaborative, interdisciplinary work on HIV/AIDS from an advanced undergraduate course. The goals of the evening were to share research findings with the broader community; foster conversation between students, academics, and stakeholders; and demonstrate the value of combining scientific and humanities approaches to complex issues.
2015-present	Member, STEAM Factory. The STEAM Factory is a diverse and inclusive grass-roots network in the Ohio State community that facilitates creative and interdisciplinary collaboration, innovation, and dissemination.
2015-2018	Vice President, Board of Directors (USA), Malawi Children's Village (MCV) Foundation.
2014-2019	Board Member, Malawi Children's Village (MCV) Foundation. MCV, a Malawian Non-Governmental Organization (NGO) that is financially supported by Malawi Children's Village Foundation Inc. a 501(c)(3) not-for-profit organization. MCV Foundation Inc. has no employees, and the board of directors works on a completely volunteer basis. In addition to fund-raising and financial oversight, MCV Foundation Inc. board members are in constant contact with MCV Malawi staff to advise and support the project. http://malawichildrensivillage.org
2014	Ohio AIDS Watch. Led informational sessions with elected officials from the Ohio Senate and Ohio House of Representatives to discuss contemporary HIV/AIDS issues.
1995-1996	Science Teacher, Malawi Ministry of Health, US Peace Corps. Taught Biology and Physical Sciences at a rural secondary school; served as school Athletic Director and HIV/AIDS club patron.

Academic Service

Ongoing	Graduate Faculty Representative, OSU Graduate School John Ertle, Ph.D. Dissertation, OSU Department of Horticulture and Crop Sciences (2023) Flavia Mol Lanna, Ph.D. Dissertation, OSU Department of EEOB (2022) Kathryn Williamson, Ph.D. Dissertation, OSU Department of Food Science and Technology (2021) Sita Asar, Ph.D. Dissertation, OSU Dept. of Electrical and Computer Engineering (2020) Brittany Schroeder, Ph.D. Dissertation, OSU Dept. of Food, Agricultural, and Bio. Engineering (2019) Grace Eder, Ph.D., Dissertation, OSU Department of Chemistry (2018) Matthew Record, Ph.D. Dissertation, OSU John Glenn College of Public Affairs (2017) Mikaella Polyviou, Ph.D. Dissertation, OSU Business Administration (2016)
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- Sarah Bowman, Ph.D. Dissertation, OSU Evolution, Ecology, and Organismal Biology (2015)
 Patrick Wensing, Ph.D. Dissertation, OSU Electrical Engineering (2014)
 Zhezhe Chen, Ph.D. Dissertation, OSU Computer Science & Engineering (2013)
 Amy Haseley, Ph.D. Dissertation, OSU Neuroscience Graduate Program (2012)
 Jaehong Oh, Ph.D. Dissertation, OSU Program in Geodetic Science (2011)
 Alexander Poster, Ph.D. Dissertation, OSU Department of History (2010)
 Lorenzo Serrao, Ph.D. Dissertation, OSU Center for Automobile Research (2009)
 Lai Wei, Ph.D. Dissertation, OSU Department of Statistics (2008)
- 2022 Center for Life Sciences Director Search Committee, OSU.
- 2021-2022 Center for Life Sciences Executive Committee member, OSU.
- 2021-2023 Center for Life Sciences Curriculum Committee member, OSU.
- 2021-2023 General Education Health and Wellbeing Theme Advisory Group, OSU.
- 2021 Steering Committee Member, Classroom Master Plan Study, OSU.
- 2020-2021 "Return to Work Committee," College of Arts & Sciences, OSU. A collaborative committee to engage in championing the safe return of faculty, staff, and students to on-campus operations and continued remote work guidelines.
- 2019 Fulbright Scholar host, Dr. Kibusi, Dean, School of Nursing and Public Health, U. of Dodoma, Tanzania
- 2019 Faculty Search Committee, Member and Diversity Advocate: OSU Department of Microbiology (1 hire)
- 2018-2022 Faculty Mentor, NSF-Louis Stokes Alliances for Minority Participation (LSAMP), OSU
- 2017-present Advocate, Advocate and Allies for Equity Initiative, OSU <http://www.womensplace.osu.edu/advocates.html>
- 2017-2023 Chair, Undergraduate Curriculum Committee, Department of Microbiology, OSU
- 2016 Education Committee (Chair), Department of Microbial Infection and Immunity, OSU
- 2016 Service-Learning Planning Committee, OSU
- 2016-2019 Judge, Denman Undergraduate Research Forum, OSU
- 2015 Faculty Search Committee: OSU Discovery Themes Initiative (2 hires)
- 2015 Bridge Grant Reviewer, OSU College of Medicine
- 2014 Liaison Committee on Medical Education (LCME) Site Visit Panelist, OSU College of Medicine
- 2014 Service-Learning Task Force, OSU, College of Arts & Sciences
- 2013-2020 Applicant Reviewer: OSU, Roth Fellowship Study Abroad (Undergraduate Students)
- 2013-2016 Applicant Reviewer: OSU, Center for Microbial Interface Biology NIH T32 Training Grant (Grad. Students)
- 2013-2016 International Affairs Faculty Council, OSU
- 2013-2015 Education Committee, OSU, Department of Microbial Infection and Immunity
- 2012 Faculty Search Committee: OSU Department of Veterinary Biosciences (1 hire)
- 2012-2016 Awards Committee, OSU, Department of Microbiology
- 2012-2013 Chair, 2013 CMIB Retreat Planning Committee
- 2012-2013 OSU-Ethiopia Task Force. Accompanied OSU Health Science Deans to Ethiopia
- 2011 Strategic Planning Committee: OSU Public Health Preparedness for Infectious Diseases (PHPID)
- 2011-2012 Faculty Search Committee: OSU Microbial Infection & Immunity search (5 hires)
- 2010 Consultant (unpaid), Global Science Forum, Organization for Economic Co-operation and Development (OECD)
- 2009, 2010, 2011 Retreat Planning Committee: OSU/CMIB
- 2009-2017 Admissions Committee: OSU Medical Scientist Training Program
- 2009-2013 Awards Committee: OSU Center for Microbial Interface Biology (CMIB)
- 2009-2012 Graduate Admissions Committee: OSU Department of Microbiology
- 2008-2011 Research Day Judge
 OSU/OSUMC (2008, 2010, 2014)
 OSU/Center for Microbial Interface Biology [CMIB] (2008, 2010, 2011)

OSU Comprehensive Cancer Center (2008)
 2008-2009 Faculty Search Committee: OSU PHPID/VBS search (1 hire)

Teaching Activities

Classroom Instruction

2021 Laboratory and GTA coordinator, Microbiology 4000.01: Introduction to Microbiology.
 2019-2020 Co-Designer, Co-Director & Instructor, OSU Microbiology 2000: Intro to Microbiology Research (20 contact h/year)
 2018 Co-Instructor, OSU Microbiology 5155: Environmental Microbiology (1.5 contact hours)
 2017-2021 Co-Instructor, OSU Microbiology 4110: Microbial Pathogenesis and Immunobiology (3.5 contact hours/year)
 2016 Co-Instructor, OSU Biomedical Sciences 2892H: Mastering the Biomedical Literature II, single lecture on Breastmilk Sharing (1.5 contact hours)
 2015-present Co-Designer, Co-Director, Co-Instructor, OSU Microbiology/History 3704: HIV, from Microbiology to Macrohistory (42 contact hours/year)
 2015-2021 Co-Instructor, OSU Medical School (MED II), Host Defense Block, single lecture on HIV MTCT (1 contact hour/year)
 2013-2014 Co-Instructor, OSU Internal Medicine 7430, Introduction to Global Health Research Methods and Design (1.0 contact hour/year)
 2013-2014 Co-Instructor, OSU Epidemiology 6413: Topics in Clinical and Translational Science (1.5 contact hours/year)
 2013-2014 Co-Instructor, OSU Epidemiology 5412: Infectious Diseases in the Developing World (2 contact hours/year)
 2012-2018 Co-Instructor, OSU Microbiology 6010: Principles of Microbiology (1.5 contact hours/year)
 2012-2016 Course Director & Instructor, OSU Biomedical Sciences 4810H: Select Topics in Microbiology & Immunology (15 contact hours/year)
 2012-2014 Course Director & Instructor, OSU Microbiology 5122: Immunology (13 contact hours/year)
 2012 Co-Instructor & Retrovirus Module Director, MVIMG 7741: Molecular Virology and Pathogenesis of Viruses (6.0 contact hours/year)
 2011-2012 Co-Instructor, OSU IBGP 880, Infection & Host/Pathogen Science (1.5 contact hours/year)
 2009-2015 Co-Instructor, OSU Medical Students, Year I: Host Defense Block (2 contact hours)
 2009-19 Co-Instructor, OSU HIV-Bootcamp for IM/ID Residents and Fellows (1 contact hour/year)
 2008, 2010 Co-Instructor, OSU MVIMG 841: Virology (4.5 contact hours/year)
 2008-2012 Instructor, OSU Microbiology 522: Immunology (16 contact hours/year)
 2008-2012 Co-Instructor, OSU Epidemiology 815: Infectious Diseases Epidemiology (1.5 contact hours/year)
 2008-2012 Co-Instructor, OSU Microbiology 724: Microbial Pathogenesis (3 contact hours/year)
 2008-2011 Co-Instructor, OSU Biomedical Sciences 581 (3 contact hours/year)
 2008 Co-Instructor, OSU IBGP 740: Topics in Microbial Pathogenesis (1.5 contact hours/year)
 2006-2007 Co-Instructor, Epidemiology 756: School of Public Health, UNC-Chapel Hill (3 contact hours/year)
 2006-2007 Co-Instructor, Epidemiology 756: School of Public Health, UNC-Chapel Hill (3 contact hours/year)
 1995-1996 High School Teacher, Biology and Physical Sciences (15 contact hours/week). The United States Peace Corps, Kalaluma Distance Education Center, Malawi Ministry of Education, Malawi, Africa

Study Abroad

2019 Co-designer, Co-Instructor, Co-residential Director, OSU Microbiology 3798.05: HIV in Context (Tanzania). With an OSU colleague, planned, supervised, and chaperoned a 28-day, 4.0 credit study abroad experience to Iringa, Tanzania for 17 OSU undergraduates.
 2017 Co-designer, Co-Instructor, Co-residential Director, OSU Microbiology 3798.05: HIV in Context (Tanzania). With an OSU colleague, planned, supervised, and chaperoned a 28-day, 4.0 credit study abroad experience to Iringa, Tanzania for 15 OSU undergraduates. A subset of the students (nine) conducted independent research projects, and I supervised 4 of the 9 projects.

- 2014 Co-designer, Co-Instructor, Co-residential Director, OSU BMS4810H: *HIV and Tuberculosis*. With an OSU colleague, planned, supervised, and chaperoned a ten-day study abroad experience to Guatemala for 15 OSU undergraduates. Students worked on various service-learning projects a Non-Governmental Organization. Student projects focused on HIV and TB and were complementary to the material discussed in BMS4810h.
- 2013 Designer, Residential Director, Co-Instructor, OSU BMS4810H: *HIV and Tuberculosis*. Planned, supervised, and chaperoned a two-week study abroad experience to Malawi for 10 OSU undergraduates and one faculty colleague. Students worked on several service learning projects at both a rural Hospital and a secondary (high) school. Student projects focused on HIV and TB and were complementary to the material discussed in BMS4810h.

Doctoral Dissertation & Masters Thesis Advisor [6 Total]

- Surender Kumar, Ph.D. (2010), Department of Veterinary Medicine, OSU. Recipient of OSU PHPID fellowship. Completed a 2-year Postdoc at NIAID/NIH. Currently a Veterinarian in India.
- Jessica Mates, Ph.D. (2014), Department of Microbiology, OSU. Completed a post-doctoral fellowship at OSU on a T32 training grant (OSU). Currently a Scientist at Pantheon Biologics.
- Krithika Priyadarshini Karthigeyan, Ph.D. (2021), Department of Microbiology, OSU. OSU Presidential Fellowship.
- Austin Keller, Masters (2020), Department of Microbiology, OSU.
- Anurup Krishna, Masters (2021), Department of Microbiology, OSU.
- Paola Loperena-Gonzalez, Ph.D. candidate, Department of Microbiology, OSU. CMBP/NIH T32 recipient.
- Brandon Holcomb, Masters candidate, Department of Microbiology, OSU.

Postdoctoral Fellows, Research Scientists and Medical Students Supervised [11 Total]

- David Beckstead, Medical Student, OSU. Recipient of OSU RTPCR Fellowship. 2008-2011
- Jose Bazan, D.O., Infectious Disease Fellow, OSU, 2008-2010
- Samuel Handelman, Ph.D., Mathematical Biosciences Institute Fellow, OSU, 2010-2012 (co-mentor: Dr. Daniel Janies)
- Surender Kumar, Ph.D., OSU. 2010-2012
- Daniel Richardson, Medical Student, OSU. Recipient of OSU Roessler Summer Fellowship. 2010
- Christina Durchholz, Medical Student, OSU. Recipient of OSU Roessler 1-year Fellowship. Recipient of American Medical Association Seed Grant. 2012-2013
- Megan Mefford, Ph.D. Recipient of CMIB T32 Fellowship. 2012-2014
- Annette Ratcliff, Ph.D. Recipient of OSU Pelotonia Fellowship. 2012-2014
- Sammy Tabbah, MD, OB/GYN Fellow, OSU, 2013
- Menakshi Bhat, Ph.D. Research Scientist, OSU, 2015-2020
- Jacque Corry (Popovich), Ph.D. Research Scientist, OSU, 2021-present
- Nick Chesarino, Ph.D., Lecturer, OSU, 2023-present

Undergraduate Mentees [33 Total]

- Katie Kemme, OSU, 2008-2010
- Jacklyn Bakalarski, OSU, Honor's Student in the Biomedical Science Program 2009
- Megan Reifenberg, OSU, Honor's Student in Microbiology, OSU 2010-2011
- Yu (Emily) Chen, OSU, University Honor's Program 2010-2011
- Vikram Shankar, OSU, Maximus Scholar, 2010-2011
- Vishnu Gudimetla, OSU, 2010-2013
- Joanna Daigle, OSU, Undergraduate Research Scholarship award, 2011
- Zackary Bittinger, OSU, 2011-13
- Jorge Salazar, OSU, 2011-14. SOLAR award recipient
- Rachael Billock, OSU, OSU Honors Collegium, 2011-14. SOLAR award recipient
- Claire Meeks, OSU, 2011-12
- Brylan May, Case Western Reserve Student, Summer 2012. Recipient of NIH-Diversity Supplement
- Annie Zhang, OSU Microbiology, Eminence Scholar, 2014-2017. Undergraduate Research Office award. SOLAR award recipient. First Place, OSU Denman Forum, Category: Innovation in Infection, Immunology, and Beyond!
- Brandon Snyder, OSU, 2014-2017. SOLAR award recipient
- Austin Keller, OSU BMS Program, 2016-2018. SOLAR award recipient
- Anjali Doshi, OSU BMS Program, Eminence Scholar, 2016-2017. SOLAR award recipient
- Shannon Phillips, OSU MolGen Program, URCI Scholar, Poon & Tweedle Research Fellow. Summer 2017
- Ashely Braddom, OSU MolGen Program, Eminence & URCI Scholar, Poon & Tweedle Fellow. Summer 2017
- Reginald Woods, OSU Microbiology Program, URCI Scholar, Poon & Tweedle Fellow. Summer 2017
- Errienna McKenzie, OSU Pharmaceutical Sciences, URCI Scholar, Poon & Tweedle Fellow. Summer 2017
- Blake Dodson, OSU Microbiology, Undergraduate Research Scholarship Award, Eminence Scholar, Degree with honors distinction in research, 2018-2021.
- Jesse Cannella, OSU Microbiology, Health Sciences Scholar, 2018-19
- Veronica Fulwider, OSU Microbiology, Honors College of Arts and Sciences, 2018-19
- Alex Hopkins, Colorado State University, OSU REU Scholar, Summer 2018
- Tabitha Willis, OSU, Biology, Louis Stokes Alliances for Minority Participation (LSAMP) Scholar, 2018-present

- Bella Tilton, OSU, Zoology, LSAMP Scholar, 2019
- Ryan Wilson, OSU Microbiology, 2020 – 2021.
- Isabel Rojas, OSU Microbiology, 2020 – 2021.
- Ben Hackenberg, OSU Microbiology, 2021 – 2022.
- Christina Cotrone, OSU Microbiology, 2021 – 2023. Undergraduate Research Scholarship Award.
- Annie Kuehn-Everson, OSU Microbiology, 2021 – 2022.
- Leah Fellows, OSU Microbiology, 2022 – present.
- Kelsey Kirshner, OSU Biology, 2023 – present.

High School Interns [2 Total]

- Nina Kvaratskhelia, Hilliard Davidson High School, Summer 2011
- Brylan May, Thomas Worthington High School, December 2011

Ph.D. and Masters Advisory Committees [34 total]

- Wanja Mwanji, Master's Candidate, Department of Epidemiology, OSU. Degree awarded in 2008
- Kevin Foy, Ph.D. Candidate, Department of Microbiology, OSU. Degree awarded in 2011
- Nadine Bowden, D.V.M. Ph.D. Department of Veterinary Medicine, OSU. Degree awarded in 2011
- Geoffrey Gonzalez, Ph.D. Candidate, Department of Microbiology, OSU. Degree awarded in 2013
- Cara Rice, Ph.D. Candidate, Department of Epidemiology, OSU. Degree awarded in 2014
- Malaika Wilson, Ph.D. Candidate, Department of Epidemiology, OSU. DNF.
- Joanna Marshall, Ph.D. Candidate, IBGP, OSU. Degree awarded in 2013
- Dawn Walker, Ph.D. Candidate, IBGP, OSU. Degree awarded in 2013
- Nathan Dissinger, Ph.D. Candidate, IBGP, OSU. Degree awarded in 2014
- Allison Slaughter, Ph.D. Candidate, Pharmaceutics, OSU. Degree awarded in 2015
- Jacob Al-Saleem, Ph.D. Candidate, MCDB, OSU. Degree awarded in 2016
- Matthew Plumb, Ph.D. Candidate, MCDB, OSU. Master's degree awarded in 2017
- Nathan Titkemeier, Ph.D. Candidate, IBGP, OSU. Left the program without a degree
- Jenna Antonucci, Ph.D. Candidate, Microbiology, OSU. Degree awarded in 2018
- Randi Mackler, Ph.D. Candidate, Biomedical Sciences, OSU. Degree awarded in 2018
- Samantha Ohmer, M.D./Ph.D Candidate, Biomedical Sciences, OSU. Degree awarded in 2018
- Kristie Goughenour, Ph.D. Candidate, Microbiology, OSU. Degree awarded in 2019.
- Yu, Jingyou, Ph.D. Candidate, Department of Veterinary Medicine, OSU. Degree awarded in 2018
- Zhihua Qin, Ph.D. Candidate, Department of Veterinary Medicine, OSU. Degree awarded in 2019
- Patrick Nuro-Gyina, Ph.D. Candidate, BGSP, OSU. Degree awarded in 2021.
- Yingke Tang, Ph.D. Candidate, Biochemistry and Chemistry, OSU. Degree awarded in 2021.
- Greta Volpedo, Ph.D. Candidate, Microbiology, OSU. Degree awarded in 2022.
- Lauren Johnson, Ph.D. Candidate, Microbiology, OSU. Degree awarded in 2021.
- Aaren Kettelhut, M.D./Ph.D. Candidate, BGSP, OSU. Degree awarded in 2022.
- Ashley Zani, Ph.D. Candidate, Biomedical Sciences, OSU. Degree awarded in 2022.
- Victoria Maksimova, Ph.D. Candidate, Biomedical Sciences, OSU. Degree awarded in 2023.
- Katherine Nolan, DVM, Master's Candidate, Comparative and Veterinary Medicine, OSU. Degree awarded in 2020
- Austin Keller, M.S. Department of Microbiology, OSU. Degree awarded in 2021
- Felipe Lamenza, Ph.D. Candidate, Department of Microbiology, OSU.
- Kimberly Ndlovu, Ph.D. Candidate, Department of Microbiology, OSU.
- Alfonso Carrillo, Ph.D. Candidate, Department of Microbiology, OSU. CMBP/NIH T32 awardee
- Jeff Kawahara, Ph.D. Candidate, Department of Microbiology, OSU.
- John Van Dusen, Ph.D. Candidate, Department of Microbiology, OSU.
- Emily Hageman, M.S. Department of Microbiology, OSU.

Undergraduate Thesis Committee Member [25 total]

- Craig Davis, Honors Thesis in Microbiology, OSU. Degree awarded in 2008
- Emily Chen, Honors Thesis in Microbiology, OSU. Degree awarded in 2011
- Rachel Kominsky, Honors Thesis in Microbiology, OSU. Degree awarded in 2012
- Anna Askari, Honors Thesis in Public Health (Political Science), OSU. Degree awarded in 2013
- Robert Easterling, Honors Thesis in Microbiology, OSU. Pelotonia Fellow. Degree awarded in 2013
- John Skendelas, Honors Thesis in Microbiology, OSU. Degree awarded in 2013
- Sam Dubin, Honors Thesis in Neuroscience, OSU. Degree awarded in 2015
- Nina Kvaratskhelia, Honors Thesis in Microbiology, OSU. Degree awarded in 2016
- Serena Nayee, Honors Thesis in Microbiology, OSU. Degree awarded in 2016
- Nisitha Sengottuvel, Honors Thesis in Molecular Genetics, OSU. Degree awarded in 2016
- Kieran Tebben, Honors Thesis in Microbiology, OSU. Degree awarded in 2017

- Alex Carter, Honors Thesis in Molecular Genetics, OSU. Degree awarded in 2018
- Ashley Braddom, Honors Thesis in Molecular Genetics, OSU. Degree awarded in 2018
- Johan Harris, Honors Thesis in Biochemistry, OSU. Degree awarded in 2019
- Abu Rogers, Honors Thesis in Biochemistry, OSU. Degree awarded in 2020
- Kathryn Duncan, Honors Thesis in Cancer Biology, Undergraduate Pelotonia Fellow, OSU. Degree awarded in 2020
- Abby Nega, Honors Thesis in Molecular Genetics, Eminence Fellow, OSU. Degree awarded in 2020
- Marissa Farinas, Honors Thesis in Neuroscience, OSU. Degree awarded in 2020
- Grant Stellini, Honors Thesis in Molecular Genetics, OSU. Degree awarded in 2020
- Xuyu Liu, Research Distinction in Microbiology, OSU. Degree awarded in 2021.
- Claire Hinterschied, Research Distinction in Microbiology, OSU. Degree awarded in 2021.
- Tyler McClain, Honors Thesis in Biochemistry, OSU. Degree awarded in 2021.
- Blake Dodson, Honors Thesis in Microbiology (Chair), OSU. Degree awarded in 2021.
- Christina Cotrone, Honors Thesis in Microbiology (Chair), OSU. Degree awarded in 2023.
- Rose Hoemelle, Honors Thesis in Chemistry, OSU. Degree awarded in 2023.

Grants & Funding

Active

- **U01AI168630** (PI: Funderburg/Liyanage). "The role of Trained Immunity and Mitochondrial dysfunction in Innate immunity in children and adolescents aGing with PHIV (TIMING-PHIV). Role: Co-I. 03/21/22 – 02/28/27
- **R01HD105526** (MPI: Kwiek, Yotebieng). "HIV/ART, low birth weight, and mortality in HIV-exposed uninfected children: a translational mechanistic study." Role: MPI. 4/1/2021 – 3/31/2026.
- **R01MD013969** (PI: Patel, Johnson [Rush University Medical School]), NICHD/NIH. "Reducing Disparity In Receipt Of Mother's Own Milk In Very Low Birth Weight Infants: An Economic Intervention To Improve Adherence To Sustained Maternal Breast Pump Use." Role: Co-I, PI of OSU subcontract. 04/18/2020 – 12/31/2024.
- **OSUASCNMS** (PI: Kwiek). "Broad Spectrum Antiviral Drug Development." 12/01/2023 – 11/30/2024.

Completed

- **Cooper Family Foundation** (PI: Kwiek). Gift to Kwiek lab research fund.
- **R21AI141037** (PI: Kwiek), NIAID/NIH. "De novo fatty acid biosynthesis and HIV replication." Role: P.I. 07/01/2020 – 06/30/2022. NCE to 6/30/2023.
- **UL1RR025755**. "Fatty Acid Synthase Inhibitors." Medicinal Chemistry Voucher for OSU Medicinal Chemistry Core supported by NIH UL1TR002733 from the National Center for Advancing Translational Sciences. Role: PI. 11/1/2022-12/1/2022
- **Drug Development Institute (OSU)** (PI: Kwiek). "Towards A Panviral Therapeutic: Testing the Ability of Fasnall to Block Coronavirus Replication." Role: P.I. 9/1/2020 - 08/31/2021. No cost extension until 12/01/2022.
- **R254256784** (PI: Malhi [University of Illinois at Urbana-Champaign]), NHGRI/NIH. "Expanding the impact of the Summer Internship for Native Americans in Genomics (SING) short course." Role: Faculty. 09/01/2019 – 08/31/22.
- **Center for Advanced Processing and Packaging Studies** (MPI: Yousef, Sastry, Kwiek). "Air Decontamination by Destruction of Aerosolized Biological Hazards using an Ozone-Based Filter." 06/01/2020 – 05/31/2021. NCE until 5/31/2022. *CAPPS is a National Science Foundation Industry-University Cooperative Research Centers Founded Center designed to foster partnerships between industry and universities for the mutual benefit of both parties and the advancement of food processing and packaging research.*
- **Proctor and Gamble** (PI: Yousef). "Environmental Air Studies." Role: Co-I. 05/01/2021 – 04/30/2022.
- **Ford Research/Motor Company** (PI: Kwiek). "Use of heat and light to inactivate coronaviruses. 04/1/2021 – 10/31/2022.
- **R01HD087993** (PI: Yotebieng [Albert Einstein COM]), NICHD/NIH. "Collecting biological samples to help explain potential effect of CQI on HIV-free survival: a secondary outcome of the study." Role: Co-Investigator. 06/01/2020 – 05/31/2021. NCE until 05/31/2022.
- **Ohio State University Global Arts and Humanities Special COVID-19 Grant Initiative**. (PI: McDow), OSU. "Pandemic Pedagogies: Precursors, Paradigms, and Portents." Role: Co-I 07/01/2020 – 12/31/2021. <https://pandemicpedagogiesproject.wordpress.com>
- **R01AI127863** (MPI: Turner/Bazan), NIAID/NIH. "Clinical and Molecular epidemiology of the sexual transmission of *Neisseria meningitidis*." Role: Co-Investigator. 07/01/2017 – 06/20/2021.
- **R21AI142256** (PI: Yount), NIAID/NIH. "Inhibition of cell-to-cell fusion by interferon-induced proteins." Role: Co-Investigator. 06/01/2019 – 05/31/2021.
- **Ford Research/Motor Company** (PI: Kwiek). "Use of heat and light to inactivate coronaviruses. 04/10/2020 –

12/21/2020.

- **R01HD087993-03S1** (PI: Yotebieng), NICHD/NIH. "Collecting biological samples to help explain potential effect of continuous quality improvement on HIV-free survival: a secondary outcome of the study." Role: Co-Investigator. 02/15/2019 - 06/30/2019.
- **OSU-Infectious Disease Institute**, Internal Event Grant, "HIV Pecha Kucha Night." 2019, 2020.
- **OSU-Office of Undergraduate Recruitment, College of Arts & Sciences**: Recruitment Grant. 2019 & 2020.
- **OSU-Integrated Physical Planning Liaison Group**. Informal Learning Space Grant to renovate Department of Microbiology student spaces, 2017 & 2019 (awarded twice).
- **OSU-Office of International Affairs – Faculty Enrichment Grant**. "Global Health in a Cross-cultural Context." 2018
- **OSU Public Health Preparedness for Infectious Diseases**. "Monitoring HIV disease with a combined CD4 and viral load assay." 11/01/15-10/31/17
- **Office of International Affairs/PHPID**, Research Seed Grant, Ohio State University. "Evaluating the accuracy of a low-cost diagnostic test for susceptible and drug resistant TB." Role: PI. 4/1/2014 – 3/31/2015. No cost extension until 12/31/2016.
- **Office of International Affairs**, Education Abroad Academic Enrichment Seed Grant, Ohio State University. "Understanding the Impact of HIV on Health and Society." Role: co-PI. 3/1/2016 – 12/31/2016
- **Esanex, Inc.** Sponsored Research Agreement, Mechanism of action of SNX-2112. Role: PI. 11/5/2014 – 05/01/2016.
- **STEAM Factory**, STEAM Powered Projects, Ohio State University. "*Pecha Kucha Night (Theme: HIV)*." Role: PI. 4/19/2016.
- **R01AI090644**. NIAID/NIH. "A Method to Stop HIV Replication: Inhibition of Human Purine Utilizing Proteins." Role: PI. 7/1/2010-6/30/2014. No cost extension to May 2015.
- **Nicklaus Family Foundation**. Research Seed Grant. "Testing for species of origin, pharmaceuticals and illicit drugs in human milk purchased via the Internet." Role: PI of OSU subcontract. Prime: Sarah Keim, Nationwide Children's Hospital. 2/1/2014 – 1/31/2015.
- **Office of International Affairs**, Gateway Research Seed Grant, Ohio State University. "Development of an integrated public health program for women of reproductive age in Malawi." Role: Co-Investigator (PI: Alison Norris). 7/1/2012-6/30/2013
- **Initiative in Population Research**, Ohio State University (Prime: Eunice Kennedy Shriver National Institute of Child Health & Human Development R24HD058484). "Choices and constraints in reproductive health decisions making among Malawian women." Role: Co-Investigator (PI: Alison Norris). 08/01/2012-07/31/2013
- **Food Innovation Center**, Ohio State University. "*Microbial Food Safety Concerns of Sharing Human Milk via the Internet.*" Role: Co-Investigator (PI: Sarah Keim). 08/1/2012 – 07/31/2013
- **R01AI084110-03S1**. NIAID/NIH, Diversity Supplement. "A Method to Stop HIV Replication: Inhibition of Human Purine Utilizing Proteins." Role: PI-Supervisor. 6/1/2012-5/31/2013
- **Mirus Research Award**, Mirus Bio, LLC. "HIV-1 in utero mother-to-child transmission and purine-binding drug discovery." Role: PI. 02/01/2012-01/31/2013
- **U19AI067854**. "Is in utero HIV-1 infection mediated by specific envelope phenotypes?" NIH/DUKE Center for HIV/AIDS Vaccine Immunology, (PI: B. Haynes). Role: PI of subcontract. 7/1/2010-6/30/2011
- **UL1RR025755**. "Using Laser Capture Microdissection to Query HIV-1 Genomic Diversity in Discrete Regions of Formalin-Fixed Placental Biopsies." Ohio State University Center for Clinical & Translational Science Novel Clinical and Translational Methodologies Program Pilot grant. Role: PI. 5/1/2010-11/1/2010
- **OSU Office of International Affairs**. Travel Award. January 2008
- **OSU Public Health Preparedness for Infectious Diseases**. "Do Placental Viral Sequestration and Changes in Toll-Like Receptor Expression Promote HIV-1 Mother-to-Child Transmission in Malawi?" 11/19/07-11/19/09
- **4R00HD056586**. "Viral and Placental Determinants of HIV-1 Subtype C Mother-to-Child Transmission." NIH/NICHD. 9/1/07- 9/1/09. Role: PI. No Cost Extension until 9/1/2010
- **1K99HD056586**. "Viral and Placental Determinants of HIV-1 Subtype C Mother-to-Child Transmission." NIH/NICHD. 2007
- **T32 AI07151**. Postdoctoral Fellowship, "Infectious Disease Pathogenesis Research Training Grant." UNC-Chapel Hill. 2003-2005.
- **T32 GM005077**. Predoctoral Fellowship, "Pharmacology Training Grant." University of Virginia. 1998-2000.

Scholarly Productivity

Publications. Bold font denotes Kwiek-Lab personnel.

54. Scott A. Scarneo, Aaron P. Smith, Jacob Favret, Robert O'Connell, Joy Pickeral, Kelly W. Yang, Guido Ferrari, David R. Loiselle, Philip F. Hughes, **Manjusha M Kulkarni**, Madhusudhana Gargasha, Bryan Scott, Debashish Roy, Barton F. Haynes, **Jesse J. Kwiek** and Timothy A. J. Haystead "Expression of extracellular Hsp90 is a molecular signature of T cell activation." *Scientific Reports*, 2022 *Oc 27, 12(1):18091*. PMID: [36302951](https://pubmed.ncbi.nlm.nih.gov/36302951/)

53. Johnson TJ, Meier PP, Schoeny M, Bucek A, Janes J, **Kwiek, JJ**, Zupancic J, Keim S, Patel AL. "Study Protocol for Reducing Disparity in Receipt of Mother's Own Milk in Very Low Birth Weight Infants (ReDiMOM): A Randomized Trial to Improve Adherence to Sustained Maternal Breast Pump Use." *BMC Pediatrics*, 2022 Jan 7;22(1):27. PMID: [34996401](#)
52. **Krithika P. Karthigeyan**, Lizhi Zhang, David R. Loiselle, Timothy A. J. **Haystead**, **Menakshi Bhat**, Jacob S. Yount*, **Jesse J. Kwiek*** "A Bioorthogonal Chemical Reporter for Fatty Acid Synthase-Dependent Protein Acylation." *J Biol Chem*. 2021 Nov;297(5):101272. PMID: [34606827](#)
51. Fouda, G.G.A., **Kwiek, J.J.**, Yotebieng, M. "Safety of Breastfeeding by Mothers with COVID-19: New Evidence from Israel." Invited commentary (editor reviewed), *Pediatrics*, 2021 Apr 13; e2020049772. PMID: [33850029](#)
50. Turman, J.M., Cheplowitz, A., Tiwari, C., Thomas, T., Joshi, D., **Bhat, M.**, Wu, Q., Pong, E., Chu, S.Y., Szymkowski, D.E., Sharma, A., Seveau, S., Robinson, J.M., **Kwiek, J.J.**, Burton, D., Rajaram, M., Kim, J., Hangartner, L., Ganesan, L.P. "Anti-HIV Antibodies Accelerate Clearance of Blood-Borne HIV Via an FcγRIIb-Mediated Effector Function of Liver Sinusoidal Endothelial Cells." *Journal of Immunology*, 2021 Mar 15;206(6):1284-1296. PMID: [33568400](#).
49. Bowman, E.R., Richardson, B., Cameron, C., Kulkarni, M.M., Gabriel, J., Kettelhut, A., Hornsby, L., **Kwiek, J.J.**, Turner, A.N., Malvestutto, C., Bazan, J., Koletar, S.L., Doblecki-Lewis, S., Rodriguez, B., Lederman, M., Cameron, M., Klatt, N.R., Lake, J.E., Funderburg, N.T. "In Vitro Exposure of Leukocytes to Pre-Exposure Prophylaxis (Prep) Antiretroviral Therapy Decreases Mitochondrial Function and Alters Gene Expression Profiles." *Antimicrobial Agents and Chemotherapy*, 2020 Dec 16;65(1): e01755-20. PMID: [33020165](#).
48. Quispe Calla, N.E., Vicetti Miguel, R.D., Torres, A.R., Trout, W., **Gabriel, J.**, Hatfield, A.M., **Kwiek, J.J.**, Kaur, B., Cherpes, T.L. "The Progestin Norethisterone Enanthate Increases Mouse Susceptibility to Herpes Simplex Virus Type 2 And Human Immunodeficiency Virus Type 1 Genital Infection," *ImmunoHorizons*. 2020. 4(2):72-81. PMID: [32047094](#)
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45. Krovci, S.A., Gallovic, M.D., **Keller, A.M.**, **Bhat, M.**, Tiet, P., Chen, N., Collier, M.A., Gurysh, E.G., Pino, E.N., Johnson, M.M., Zahid, S.H., Cottrell, M.L., Pirone, J.R., Kashuba, A.D., **Kwiek, J.J.**, Bachelder, E.M., Ainslie, K.M. "Injectable Long-acting Human Immunodeficiency Virus Antiretroviral Prodrugs with Improved Pharmacokinetic Profiles." *Int J Pharm*, 2018 December ;552(1-2):371-377. PMID: [30308272](#)
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43. **Saleska**, J.L., Turner, A.N., Maierhofer, C, Clark, J., **Kwiek, J.J.** "Use of Antiretroviral Therapy During Pregnancy and Adverse Birth Outcomes Among Women Living with HIV-1 In Low and Middle-Income Countries: A Systematic Review." *J Acquir Immune Defic Syndr*. 2018 Sep 1;79(1):1-9. PMID: [29847475](#)
42. **Zhang, A.**, **Jumbe, E.**, Krysiak, R., Sidiki, S., Kelley, H.V., Chemey, E.K., Kamba, C., Mwapasa, V.M., García, J.I., Norris, A., Pan, X., Evans, C., Wang, S-H, **Kwiek, J.J.**†, and Torrelles, J.B.†. "Low-Cost Diagnostic Test for Susceptible and Drug Resistant Tuberculosis in Rural Malawi." † = Co-corresponding authors. *African Journal of Laboratory Medicine*. 2018 Jun 4;7(1):690. PMID: [29977794](#)
41. Quispe Calla, N.E., Vicetti Miguel, R.D., Glick, M.E., **Kwiek, J.J.**, **Gabriel, J.M.**, Cherpes, T.L. "Exogenous Oestrogen Inhibits Genital Transmission of Cell-Associated HIV-1 In DMPA-Treated Humanized Mice" *Journal of the International AIDS Society* 2018. Jan; 21(1). PMID: [29334191](#)
40. **Kulkarni, M.M.** **Ratcliff, A**, **Bhat, M**, Alwarawrah, Y, Hughes, P, Arcos, J, Loiselle, D, Torrelles, J.B., Haystead, T.A., †, **Kwiek, J.J.** †. "Cellular Fatty Acid Synthase Is Required for Late Stages Of HIV-1 Replication." *Retrovirology* 2017. Sep 29;14(1):45. PMID: [28962653](#) † = Co-corresponding authors. [fix font size]
39. Mates JM, Yao Z, Cheplowitz AM, Suer O, Phillips GS, **Kwiek JJ**, Rajaram MVS, Kim J, Robinson JM, Ganesan LP and Anderson CL "Mouse Liver Sinusoidal Endothelium Eliminates HIV-Like Particles from Blood at a Rate of 100 Million per Minute by a Second-Order Kinetic Process." *Front. Immunol*. 2017 8:35. PMID: [28167948](#)
38. Turner, A.N., Maierhofer, C., Funderburg, N.T., **Snyder, B.**, Small, K., Clark, J., Bazan, J.A., Kwiek, N.C., **Kwiek, J.J.** "High Levels of Self-Reported Prescription Opioid Use By HIV-Positive Individuals." *AIDS Care*, June 2016. Dec;28(12):1559-1565. PMID: [27320493](#)

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35. Keim, S.A., McNamara, K.A., **Kwiek, J.J.**, Geraghty, S. R. "Drugs of Abuse in Human Milk Purchased Via the Internet" *Breastfeeding Medicine, Breastfeed Med.* 2015 Nov; 10(9):416-8. PMID: [26460596](#)
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Popular press coverage: National Public Radio, The Wall Street Journal, The NY Times blog, US News and World Reports, Conan O'Brien, The Onion, and many other TV and Radio stations.
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30. Koopman, J., Marshall, J.M., Bhatiya, A., Eguale, T., **Kwiek, J.J.**, Gunn, J.S. "Inhibition of *Salmonella Enterica* Biofilm Formation Using Small-Molecule Adenosine Mimetics." *Antimicrobial Agents and Chemotherapy*, 2015, Jan. 59 (1):76-84. PMID: [25313216](#)
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7. Abrams, E., T., **Kwiek, J.J.**, Mwapasa, V., Kamwendo, D.D., Tadesse, E., Lema, V.M., Molyneux, M.E., Rogerson, S.J., Meshnick, S.R. "Malaria During Pregnancy and Fetal Hematological Status in Blantyre, Malawi." *Malaria Journal* 2005, 4 (1):39. PMID: [16122391](#)
6. Yeramian, P., Meshnick, S.R., Krudsood, S., Chalermrut, K., Silachamroon, U., Allen, J., Brun, R., **Kwiek, J.J.**, Tidwell, R. Looreesuwan, S. "Efficacy of DB289 in Thai Patients with *Plasmodium vivax* and Acute Uncomplicated *Plasmodium falciparum* Infections." *Journal of Infectious Disease* 2005, 192 (2):319-22. PMID: [15962227](#)

5. Ngrenngarmert, W., **Kwiek, J.J. (co-first author)**, Kamwendo, D.D., Ritola, K., Swanstrom, R., Wongsrichanalai, C., Ittarat, W., Miller, R.S., and Meshnick, S.R. "Measuring Allelic Heterogeneity in *Plasmodium falciparum* by Heteroduplex Tracking Assay." *American Journal of Tropical Medicine and Hygiene* 2005, 72: 694-701. PMID: [15964952](#)
4. Abrams, E.T., Milner, D.A. Jr., **Kwiek, J.J.**, Mwapasa, V., Kamwendo, D.D., Zeng, D., Tadesse, E., Lema, V.M., Molyneux, M.E., Rogerson, S.J., Meshnick, S.R. "Risk Factors and Mechanisms of Preterm Delivery in Malawi." *American Journal of Reproductive Immunology* 2004, 52 (2): 174-83. PMID: [15274659](#)
3. **Kwiek J.J.**, Haystead, T.A., Rudolf, J. "The Kinetic Mechanism of Quinone-Oxidoreductase 2 and its Inhibition by the Anti-Malarial Quinolines." *Biochemistry* 2004, 43 (15): 4538-4547. PMID: [15078100](#)
2. Graves P.R., **Kwiek J.J.** (co-first author), Fadden P., Ray, R., Hardeman, K., Coley, A. M., Foley, M., Haystead, T. A. "Discovery of Novel Targets of Quinoline Drugs in the Human Purine Binding Proteome." *Molecular Pharmacology* 2002, 62:1364-1372. PMID: [12435804](#)
Commentary on above article: Petri, W.A. Jr. "Can a Proteomics Strategy Be Used to Identify the Anti-malarial Activity of Chloroquine?" *Trends Pharmacol Sci* 2003, 24 (5):210-212.
1. Gioeli D., Ficarro S.B., **Kwiek J.J.**, Aaronson, D., Hancock, M., Catling, A.D., White, F.M., Christian, R.E., Settlege, R.E., Shabanowitz, J., Hunt, D.F., Weber, M.J. "Androgen Receptor Phosphorylation. Regulation and Identification of the Phosphorylation Sites." *J Biol Chem* 2002, 277:29304-29314. PMID: [12015328](#)

Patents

- JJ Kwiek, T Haystead, P Hughes, Y Alwararah. Fatty Acid Synthase Inhibitors. [US10966981B2](#), granted 04/06/2021.
- JJ Kwiek, T Haystead, P Hughes, Y Alwararah. Fatty Acid Synthase Inhibitors. [US11679111B2](#), granted 06/20/2023.

Preprints

1. **Jesse J. Kwiek**, Christopher R. Pickett, **Chloe A. Flanigan**, Marcia V. Lee, Linda J. Saif, Jeff Jahnes, Greg Blonder. "A Practical PPE Decontamination Method Using Warm Air and Ambient Humidity." Submitted to bioRxiv on 11/12/2020. <https://doi.org/10.1101/2020.11.12.380196>.
2. **Krithika P. Karthigeyan**, Denis Jacob Machado, Alper A. Kiziltas, Daniel A. Janies, **Chloe Flanigan**, Jeff Jahnes, Jay Chen, David Cooke, Marcia V. Lee, Linda J. Saif, Sonny Henegar, Deborah F. Mielewski, **Jesse J. Kwiek** "Using Heat to Inactivate Coronaviruses on Materials Found Inside Motor Vehicles." Submitted to bioRxiv on 09/8/2021. <https://biorxiv.org/cgi/content/short/2021.09.08.459486v1>. Submitted to peer review on 9/10/2021.

Manuscripts In Preparation

1. **Krithika Karthigeyan**, Marcia V. Lee, Linda J. Saif, Seth Faith, Jacob Yount, Qihong Wang, **Jesse J. Kwiek** "Anti Coronavirus Activity of Fasnall, A Novel Inhibitor Of De Novo Fatty Acid Biosynthesis." *In preparation*.
2. **Jesse J. Kwiek, Krithika P. Karthigeyan**, Joan-Miquel Ballada-Llasat, Martine Tabala, Noro Lantoniaina Rosa Ravelomanana, Fathy Malongo, Emile Okitolonda, Marcel Yotebieng, CQI-PMTCT study team. "IgG Seroprevalance of ToRCHeS Infections Among Pregnant Women Living with HIV in Kinshasa, DRC." *In preparation*.

Abstracts (External)

1. Kumar SB, Janies D, Mwapasa V, Rogerson S, Meshnick S & **Kwiek JJ** (Feb 8-11, 2009). Is the Placenta a Unique HIV-1 Subtype C Compartment? 16th Conference on Retroviruses and Opportunistic Infections, Montreal, Canada. Abst # 937. Poster.
2. Kumar SB, Mwapasa V, Rogerson S, Meshnick S & **Kwiek JJ** (Mar 18-19, 2010). Elevated Placental Cytokines Levels Are Associated with in utero HIV-1 MTCT. Center for Microbial Interface Biology Retreat, The Ohio State University, Columbus, OH. Abst # 36. Poster.
3. Kumar SB, Mwapasa V, Rogerson S, Meshnick S & **Kwiek JJ** (Feb 16-19, 2010). Elevated Placental Cytokines Levels Are Associated with in utero HIV-1 MTCT. 17th Conference on Retroviruses and Opportunistic Infections, San Francisco, CA. Abst # 903. Poster.
4. Mates J, Kumar SB, Bazan J, Mwapasa V, **Kwiek JJ**. (Mar 18-19, 2010) Does the HIV-1 U3R promoter play a role in HIV-1 mother-to-child transmission? Center for Microbial Interface Biology Retreat, The Ohio State University, Columbus, OH. Abst # 63. Poster.
5. Handelman SK, Kumar SB, Mwapasa V, Janies D, Rogerson SJ, Meshnick SR, **Kwiek JJ**. (April 25-28, 2010) Possible role for a placental HIV-1 compartment in uterine mother to child transmission. 17th International HIV Dynamics & Evolution, Monterrey, CA. Oral Presentation by SKH.
6. Handelman SK, Kumar SB, Mwapasa V, Janies D, Rogerson SJ, Meshnick SR, **Kwiek JJ**. (June 15-17, 2010) Possible role for a placental HIV-1 compartment in uterine mother to child transmission. 5th Annual Ohio Collaborative Conference on Bioinformatics, Columbus, OH. Abst # 94. Oral Presentation by SKH.

7. Kumar S, Handelsman SK, Mwapasa V, Janies D, **Kwiek JJ**. (June 2010) Perturbations in HIV-1 quasispecies dynamics during in utero mother to child transmission. DARPA Prophecy Teaming Day, Boston, MA. Poster Presentation.
8. Kumar SB, Handelsman SK., Voronkin I, Mwapasa V, Janies D, Rogerson SJ, Meshnick SR, and **Kwiek JJ**. (September 2010). Specific changes in hiv-1 subtype c env are associated with placental localization and in utero mother-to-child transmission. Center for HIV/AIDS Vaccine Immunology (CHAVI), Durham NC. Invited poster presentation by JJK.
9. Handelsman, SK, Kumar, S, Mates, JM, Meshnick, SR, Mwapasa, V, Janies, D, and **Kwiek, JJ**. (May 2-4, 2011). In Utero Mother to Child Transmission of HIV-1 Subtype C Associated with Specific Changes in env and with Placental Localization. Great Lakes Bioinformatics Conference, Athens, OH. Oral presentation by SKH.
10. Mates J, Kumar SB, Bazan J, Mwapasa V, **Kwiek JJ**. (May 23-28, 2011) Diversity of HIV-1 subtype C U3R influences mother-to-child transmission. Cold Spring Harbor Retroviruses conference. Abst # 153. Poster presentation by JM.
11. Kumar SB, **Kwiek JJ**. (May 23, 2011) Different Regions of HIV-1 subtype C env are associated with placental localization and in utero mother-to-child transmission. Cold Spring Harbor Retroviruses Conference. Abst # 3. Oral presentation by S. Kumar.
12. Handelsman S, Verducci JS, **Kwiek JJ**, Kumar SB, and Janies DA. GENPHEN: Genotype/Phenotype Association with Reference to Phylogeny. 15th Annual International Conference on Research in Computational Molecular Biology, Vancouver, Canada. Poster Presentation by SKH.
13. Handelsman S, Verducci JS, **Kwiek JJ**, Kumar SB, and Janies DA. PhyloPTE: Genotype/Phenotype Association with Reference to Phylogeny. 19th Annual International Conference on Intelligent Systems for Molecular Biology and 10th European Conference on Computational Biology, Vienna, Austria. Poster Presentation by SKH.
14. Handelsman S, Verducci JS, **Kwiek JJ**, Kumar SB, and Janies DA. GENPHEN: Genotype/Phenotype Association with Reference to Phylogeny (June 28 - July 2, 2011). 8th European Conference on Mathematical and Theoretical Biology, and Annual Meeting of the Society for Mathematical Biology, Kraków, Poland. Oral presentation by SKH.
15. Kumar SB, Rice CE, Milner DA Jr., Ramirez N, Ackerman WE IV, Mwapasa V, Norris Turner A, and **Kwiek JJ**. (October 4-7, 2011). Elevated Cytokine and Chemokine Levels in the Placenta Are Associated with *in utero* HIV-1 Mother-To-Child Transmission. Center for HIV/AIDS Vaccine Immunology (CHAVI), Durham NC. Invited poster presentation by JJK.
16. Mefford ME, Hayes AM, **Kwiek JJ**, Boris-Lawrie K. (October 6, 2012). Striking a balance: miRNA-Mediated Silencing in HIV-1 infection. 19th West Coast Retrovirus Meeting, Palm Springs, CA. Poster presentation by MEM. MEM won best poster award.
17. Turner AN, Tabbah S, Mwapasa V, Rogerson SJ, Meshnick SR, Ackerman W, **Kwiek JJ**. Severity of maternal HIV-1 disease is associated with adverse birth outcomes in Malawian women. Abstract accepted for presentation at the 20th annual meeting of the International Society for STD Research, July 2013, Vienna, Austria (abstract # 2013-A-1316-STI).
18. Smith, A, Barrott, J, Hughes, P, Speer, B, Soderberg, K, Pickeral, J, Konzick, D, Matous, J, Kulkarni, M, Ferrari, G, Haynes, B, **Kwiek, JJ**, Haystead, TAJ. Development of Novel Inhibitors Selectively Targeting Hsp90 to Prevent and Eliminate HIV Infection. NIH Workshop on Protein Homeostasis and Viral Infection: Mechanisms to Therapeutics, September 2013, Bethesda, MD. Poster presentation by JJK and TAH.
19. Geraghty, S.R., McNamara, K.A., Dillon, C.E., Hogan, J.S., **Kwiek, J.J.**, Keim, S.A. "Buying Human Milk Via the Internet: Just a Click Away." Breastfeeding Medicine. 18th Annual International meeting of the Academy of Breastfeeding Medicine, November 2013, Philadelphia, PA. Platform presentation by SRG.
20. A Norris, E.Chemey, A Turner, J Casterline, J Rogers, **J.J. Kwiek**, S Garver, G Mopiwa, J Phuka. "Establishing the Umoyo wa Thanzi (UTHA) research program at Child Legacy International, Malawi." 2014 Malawi College of Medicine Research Dissemination Day. November 2014, Blantyre, Malawi. Poster presentation by E. Chemey.
21. A Norris, A Turner, J Phuka, E.Chemey, V Banda, A Esber, J Kwiek. "High self-reported rates of HIV testing and partner disclosure in rural Lilongwe District." 2014 Malawi College of Medicine Research Dissemination Day. November 2014, Blantyre, Malawi. Poster presentation by E. Chemey.
22. Sarah A. Keim, Manjusha M. Kulkarni, Rachael M. Billock, Joseph S. Hogan, Kelly A. McNamara, Chelsea E. Dillon, Sheela R. Geraghty, **Jesse J. Kwiek**. "Bovine contamination of human breast milk purchased via the Internet." 19th Annual International Meeting of the Academy of Breastfeeding Medicine, Nov. 2014, Cleveland OH. Poster Presentation by S. Keim.
23. Yazan Alwarawrah, Manjusha M. Kulkarni, Annette Ratcliff, Philip Hughes, Jesus Arcos, David Loiselle, David B. Darr, Jamie L. Jordan, Lucas M. Hunter, Jordi B. Torrelles, Timothy A. Haystead, **Jesse J. Kwiek**. "HIV-1 modulates lipid metabolism via upregulation of fatty acid synthase-dependent fatty acid production." HIV DART 2014: Frontiers in Drug Development for Antiretroviral Therapies, December 2014, Miami FL. Poster presentation by Dr. A. Ratcliff.
24. Sarah A. Keim, Manjusha M. Kulkarni, Rachael M. Billock, Joseph S. Hogan, Kelly A. McNamara, Chelsea E. Dillon, Sheela R. Geraghty, **Jesse J. Kwiek**. "Evidence of Active Smoking and Caffeine Use by Sellers of Breast Milk Purchased Via the Internet." Pediatric Academic Societies Annual Meeting, April 2015, San Diego, CA. Poster Presentation by S. Keim.
25. Timothy AJ. Haystead, **Jesse J. Kwiek**, Subhash Vasudevan, Guido Ferrari, Barton Haynes. "Hsp90 Promotes HIV and Chikungunya Virus Replication, Hsp90 Inhibitors are Antiviral." Keystone Symposia on Cellular Stress Responses and Infectious Agents, December 2016, Santa Fe, NM. Invited Oral Presentation by T. Haystead.
26. Turner, A.N., Maierhofer, C., Funderburg, N.T., **Snyder, B.**, Small, K., Clark, J., Bazan, J.A., Kwiek, N.C., **Kwiek, J.J.** August 2017: April 2016: "High levels of self-reported prescription opioid use by HIV-positive individuals." Center for Microbial Interface Biology Research Symposium: The Ohio State University. Columbus, OH. Poster Presentation by B. Snyder, who won an award for best undergraduate presentation.
27. Jessica L Saleska, Abigail Norris Turner, Courtney N. Maierhofer, **Jesse J. Kwiek**. "Antiretroviral Therapy Use During Pregnancy and Adverse Birth Outcomes Among Hiv-Infected Women in Low and Middle-Income Countries: A Systematic

- Review." The International Society for Sexually Transmitted Diseases Research World STI & HIV Congress, July 2017, Rio de Janeiro. Poster presentation by A. Norris Turner.
28. Manjusha Kulkarni; Annette Burkhouse; Menakshi Bhat; Yazan Alwarawrah; Philip Hughes; Jesus Arcos; David Loiselle; Jordi Torrelles; Nicholas Funderburg; Timothy Haystead; **Jesse Kwiek**. "Cellular fatty acid synthase is required for late stages of HIV-1 replication." Poster presentation by M. Bhat.
 29. Turner, A.N., Maierhofer, C., Funderburg, N.T., **Snyder, B.**, Small, K., Clark, J., Bazan, J.A., Kwiek, N.C., **Kwiek, J.J.** August 2017: "Medical and non-medical use of prescription medications in HIV-positive individuals." Addiction Studies Institute. Columbus, OH. Oral Presentation by B. Snyder.
 30. Goswami R, Heimsath H, Mangan R.J., Hughes P, Haystead T, Ferrari G, **Kwiek J**, Haynes B, Rompay K.V., Permar S.R. Adjunctive therapy with an Hsp90 inhibitor potently suppresses HIV replication by targeting lymphoid cell activation and proliferation, Strategies for an HIV Cure (2018), Bethesda, MD
 31. Goswami R, Heimsath H, Mangan R.J., Hughes P, Haystead T, Ferrari G, **Kwiek J**, Haynes B, Rompay K.V., Permar S.R. Adjunctive therapy with an Hsp90 inhibitor potently suppresses HIV replication by targeting lymphoid cell activation and proliferation, Duke Center for AIDS Research (CFAR) Fall Retreat (2018), Durham, NC (**Selected for oral presentation**)
 32. **Karthigeyan, K.**, Zhang, L., Haystead, T.A., Yount, J., **Kwiek, J.J.** "Metabolic flux through the lipogenic host enzyme fatty acid synthase (FASN) generates de novo fatty acyl groups for myristoylation of HIV-1 Gag." Cold Spring Harbor Conference on Retroviruses (2019). Poster presentation by K. Karthigeyan.
 33. **Menakshi Bhat**, Abigail Norris Turner, Jose A. Bazan, Alexandria Carter, Brandon Snyder, Morgan Brown, **Jesse J. Kwiek**. "Prevalence of Antimicrobial Resistance in Oropharyngeal *Neisseria meningitidis* Carriage Isolates Among Patients Attending an STD Clinic in Columbus, Ohio." American Society for Microbiology (ASM) and the European Society for Clinical Microbiology and Infectious Diseases (ESCMID) Conference on Drug Development to Meet the Challenge of Antimicrobial Resistance, Boston, MA (2019). Poster Presentation by M. Bhat.
 34. **Menakshi Bhat**, Abigail Norris Turner, Jose A. Bazan, Alexandria Carter, Brandon Snyder, Morgan Brown, **Jesse J. Kwiek**. "Susceptibility of Oropharyngeal *Neisseria meningitidis* Carriage Isolates to Penicillin, Ciprofloxacin, Ceftriaxone and Rifampicin Among Patients Attending STD Clinic in Columbus, Ohio." Midwest Microbial Pathogenesis Conference, Toledo, Ohio (2019). Poster Presentation by A. Carter.
 35. **Krithika Karthigeyan**, Lizhi Zhang, Preston Hill, David Loiselle, Timothy Haystead, Menakshi Bhat, Dan Wozniak, Jacob Yount, **Jesse Kwiek** "Metabolic flux through the lipogenic host enzyme fatty acid synthase (FASN) generates de novo fatty acyl groups for myristoylation of HIV-1 Gag." Midwest Virology Symposium (2019), Oral Presentation (selected) and a Poster by K. Karthigeyan.
 36. **Krithika Karthigeyan**, Lizhi Zhang, Preston Hill, David Loiselle, Timothy Haystead, Menakshi Bhat, Dan Wozniak, Jacob Yount, **Jesse Kwiek** "Metabolic flux through the lipogenic host enzyme fatty acid synthase (FASN) generates de novo fatty acyl groups for myristoylation of HIV-1 Gag." 1st Annual Symposium Sexual Transmitted Diseases: An Integral Approach Havana, Cuba, 2019. Oral Presentation (selected) by K. Karthigeyan.
 37. **Krithika Karthigeyan**, Lizhi Zhang, David Loiselle, Timothy Haystead, Jacob Yount, **Jesse J. Kwiek** "A bioorthogonal reporter to track metabolic flux through the lipogenic host enzyme fatty acid synthase (FASN) onto protein fatty acylation sites." Lipidation in cell biology and disease, Biochemical Society, Online meeting.

Presentations

Scientific Meetings

1. Invited Speaker. *Malawi College of Medicine Research Dissemination Day*, Blantyre, Malawi, November 2007. "HIV-1 Envelope Diversity During HIV-1 Subtype C Vertical Transmission in Malawian Mother-Infant Pairs."
2. Invited Speaker. *American Society for Tropical Medicine Conference*, Miami, FL, November 2004. "Correlates of HIV-1 Mother-to-Child Transmission."
3. Invited Speaker. *American Society for Tropical Medicine Conference*, Washington, D.C., December 2005. "Use of a Heteroduplex Tracking Assay to Detect Multiple *P. falciparum* Infections in Pregnant Malawians."
4. Invited Speaker. *13th International HIV Dynamics & Evolution Conference*, Woods Hole, MA, April 2006. "HIV-1 Envelope Diversity During HIV-1 Transmission in Malawian Mother-Infant Pairs."
5. Invited Speaker. *American Society for Tropical Medicine Conference*, Atlanta, GA., November 2006. "Use of the Quantitative MSP-1 Heteroduplex Tracking Assay to Distinguish *Plasmodium falciparum* Reinfection from Failure."
6. Invited Speaker. DARPA/Department of Defense, Prophecy Teaming Day, Boston, MA, June 2010. "Perturbations in HIV-1 quasispecies dynamics during in utero mother to child transmission."
7. Invited (Keynote) Speaker. *Ethiopian Society of Tropical and Infectious Disease*, Addis Ababa, Ethiopia, December 2012. "Mechanisms of HIV-1c Mother-to-Child Transmission."
8. Invited Speaker. *Case Western Reserve Center for AIDS Research Conference*, Cleveland, Ohio. "HIV-associated Adverse Birth Outcomes." August 2013.
9. Invited Panelist. *20th Annual Midwest Microbial Pathogenesis Conference*, Columbus, OH, August 2013. "Academic Careers: Selecting a postdoctoral position and transitioning to a faculty position."
10. Invited (Plenary) Speaker. *14th Annual Biomedical Research Conference for Minority Students (ABRCMS)*, San Antonio, TX, November 2014. "Going Viral: From Science in the Lab to Public Health Interventions in International Communities."

11. Invited Speaker. Institute of Tropical Medicine 'Pedro Kouri', Havana, Cuba, November 2018. "HIV-associated Low Birth Weight in Cuba."
12. Invited Speaker. International Emerging Infectious Diseases Conference, Nanavati Hospital, Vile Parle West, Mumbai, India. December 2018. "HIV-associated Low Birth Weight in India."
13. Invited Speaker, 1st Annual Symposium on Sexually Transmitted Diseases: An Integral Approach Havana, Cuba, October 2019. "HIV, pregnancy, and adverse birth outcomes."
14. Invited Speaker, 1st Annual Symposium on Sexually Transmitted Diseases: An Integral Approach Havana, Cuba, October 2019. "Discovery of Fasnall, a Novel Fatty Acid Synthase Inhibitor that Blocks HIV-1 Replication."
15. Invited Speaker, OSU Center for Automobile Research (CAR) Year End Consortia, December 2020. "On Cars, Commuting, and COVID."
16. Invited Speaker, 30th Annual Scientific Sessions of the Sri Lanka College of Microbiologists, Colombo, Sri Lanka (Given virtually), August 2021. "Advances in Molecular Virology."
17. Invited Speaker, 30th Annual Scientific Sessions of the Sri Lanka College of Microbiologists, Colombo, Sri Lanka (Given virtually), August 2021. "De novo fatty acid biosynthesis and HIV replication."
18. Invited Speaker, 3rd Annual Symposium on Sexually Transmitted Diseases: An Integral Approach Varadero, Cuba, June 2023. "Development of a Host-targeted, broad spectrum antiviral therapeutic."

University Seminar Series (By Invitation)

1. Case Western Reserve University, Department of Global Health, January 2007
2. Ohio State University, Center for Microbial Interface Biology, February 2007
3. UNC-Chapel Hill, Division of Infectious Diseases, March 2007
4. University of Virginia, Department of Infectious Diseases, March 2007
5. The Research Institute at Nationwide Children's Hospital, Center for Vaccines and Immunity, Columbus OH. March 2010
6. Kenyon College, Department of Biology, Gambier, OH, March 2010
7. University of Toledo, Department of Medical Microbiology and Immunology, Toledo, OH, May 2012
8. The Research Institute at Nationwide Children's Hospital, Bench to Outcomes Seminar Series (BOSS), Columbus OH, June 2012
9. Case Western Reserve University, World Health Interest Group and The Infectious Diseases & HIV Medicine Host Defense Joint Seminar Series, October 2012
10. Otterbein University, Department of Biology and Earth Science, Westerville, OH, November 2014.
11. Kwazulu-Natal Research Institute for Tuberculosis and HIV (K-RITH), Durban, South Africa, July 2015.
12. OSU/Nationwide Children's 2nd Annual Health Sciences Technology Showcase, Columbus, OH, September 2015.
13. University of Dodoma, School of Nursing and Public Health, Dodoma, Tanzania, June 2017.
14. OSU College of Pharmacy, Division of Pharmacology Seminar Series, Columbus, OH, October 2018.
15. University of Kinshasa, Faculty of Medicine, Kinshasa, Democratic Republic of the Congo, May 2019.
16. University of North Carolina at Charlotte, Department of Bioinformatics and Genomics, October 2020.
17. OSU College of Pharmacy, Division of Medicinal Chemistry Seminar Series, Columbus, OH, February 2022.
18. University of Kinshasa, Department of Pathology, Kinshasa, Democratic Republic of the Congo, October 2023.

Popular Media (By Invitation)

1. Telephone Interview with Food Safety News about "Cow's Milk Contamination of Human Milk Purchased Via the Internet," April 2015. Resulting article: "As Online Sales of Breast Milk Rise, Experts Warn of Dangers." Available at http://www.foodsafetynews.com/2015/04/as-online-sales-of-breast-milk-rise-experts-warn-of-dangers/-_Vtm978fse-1
2. Telephone Interview with The Verge about "Cow's Milk Contamination of Human Milk Purchased Via the Internet," April 2015. Resulting article: "Mothers are buying breast milk online — because they don't have better options. *But what are the risks?*" Available at <http://www.theverge.com/2015/4/28/8504443/mothers-buying-breast-milk-online-donors-risks>
3. Live Radio Interview with KCBS, San Francisco, about "Cow's Milk Contamination of Human Milk Purchased Via the Internet," April 2015. Radio clip: "Breast Milk Sold Online Can Be Tainted With Cow's Milk, Study Shows" available at: <http://sanfrancisco.cbslocal.com/2015/04/06/cows-milk-can-taint-breast-milk-sold-online-according-to-new-study/>
4. Live Television Interview with China Central Television (CCTV), about "Cow's Milk Contamination of Human Milk Purchased Via the Internet," April 2015. TV clip: "Online breast milk" available at <http://www.cctv-america.com/2015/04/10/us-breast-milk-sold-online-may-contain-cow-milk>
5. Telephone Interview with Neal Boudette of the New York Times about "[Packing Heat: How Ford's Latest Tech Helps Police Vehicles Neutralize Covid-19.](#)" May 2020. Resulting article: "[How to Disinfect a Police Car in a Pandemic: Make It an Oven.](#)"
6. Telephone Interview with Paul Karchut of Calgary Eyopener, Canadian Broadcasting Corporation (CBC); radio spot about "[Packing Heat: How Ford's Latest Tech Helps Police Vehicles Neutralize Covid-19.](#)" June 2020.

In-House/Local Meetings

1. Duke University Department of Pharmacology and Cancer Biology, Presenter at Departmental Retreat, Wilmington, NC. Oct. 2001
2. UNC-Chapel Hill, Division of Infectious Diseases, Infectious Disease Training Grant Symposium, Chapel Hill, NC. 2004
3. Chapel Hill Kiwanis Club, Presenter: "My Peace Corps Experience." August 2005
4. UNC-Chapel Hill, Undergraduate Global Health Club, "Peace Corps, Malawi, and Malaria." 2005
5. The Burnet Institute, Presenter at Laboratory Meeting, Melbourne, Australia, July 2007.
6. Walter and Eliza Hall Institute, Presenter at Group Research (malaria) Meeting, Melbourne, Australia, July 2007
7. UNC-Chapel Hill Children's Right's Week Seminar, UNC-Chapel Hill, "Pediatric Malaria." 2007

8. OSU African Youth League, Panelist to a Public Forum, "HIV/AIDS in sub-Saharan Africa." 2010
9. OSU Biomedical Sciences, Panelist: Careers in Research. Panelist, 2010
10. OSU IBGP, Panelist: "When is the best time for a science professional to start a family?" 2010
11. OSU Honors Day, Research Presentation (recruitment session) 2010
12. Duke University, Department of Pharmacology and Cancer Biology, Haystead Research Group, Durham, NC, October 2011
13. OSU Buckeyes Without Borders, Panelist: Personal Perspectives on Global Health Research 2012
14. OSU Global Health Initiative, Panelist: "The Global Health Summit on HIV/AIDS." 2012
15. OSU Microbiology Club, Presenter. 2012
16. OSU Center for Women's Health-Women's Health Initiative, Research Collaboration Seminar. 2013
17. Ohio Virology Association (OVA), 2013
18. National Black HIV/AIDS awareness event, Panelist: "HIV in the Black Community". 2014.
19. OSU Biomedical Sciences Graduation Ceremony, Keynote Speaker. 2014.
20. OSU CMIB Symposium, Science Metrics, co-Presenter. 2014
21. OSU Center for Women's Health, "Exploring the Risks of Feeding Breast Milk Purchased Via the Internet." 2014
22. OSU Honor & Scholars Program, Eminence Salon Speaker. 2015
23. OSU Steam Factory, "Making Breast Milk Sharing Safe," 2015
24. OSU oSTEM (Out in Science, Technology, Engineering, and Mathematics), "HIV," 2015
25. OSU Infectious Diseases Institute, Virology and Emerging Pathogens Seminar Series, 2018.
26. OSU MEDLIFE (Medicine, Education and Development in Low-Income Families Everywhere), HIV in Ohio, 2018.
27. OSU Peace Corps Club, 2019.
28. OSU Helix Tri-Beta (Premed/Biology Club), 2019
29. Ohio Virology Association (OVA), "Road to PI," 2019
30. AIDS Quilt Event, 2021. Available here: <https://www.youtube.com/playlist?list=PLHnASqHKVFyosDOUSeHi3CVBbRksQGgBZ>

Nucleotide Sequences Deposited into Public Databases (Genbank)

1. *Plasmodium falciparum* Merozoite surface antigen 1. Accession numbers: DQ855130.1 to DQ855135.1; DQ855166.1. (2007)
2. Human Immunodeficiency Virus type-1, Envelope (gp160). Accession numbers: JF722674 to JF723201 (2011)
3. Human Immunodeficiency Virus type 1, LTR (U3R). Accession numbers: JN108036 to JN108760 (2012)