
University of Texas Southwestern Medical Center
Department of Microbiology
6000 Harry Hines Blvd, NL4.140B
Dallas, TX 75390-9048

Phone: (214) 648-8775

email: Julie.Pfeiffer@UTSouthwestern.edu

CURRENT POSITION

University of Texas Southwestern Medical Center, Department of Microbiology, Dallas, Texas

Professor and Chair	5/2024-present
B. B. Owen Distinguished Chair in Molecular Research	
Nadine and Tom Craddick Distinguished Chair in Medical Sciences	
Professor and Interim Chair	2/2024-5/2024
Professor and Vice Chair	10/2022-1/2024
Professor	9/2017-9/2022
Associate Professor	9/2012-8/2017
Assistant Professor	2/2006-8/2012

EDUCATION and TRAINING

Postdoctoral Fellow 9/2001-12/2005
PI: Karla Kirkegaard, Ph.D.
Stanford University, Department of Microbiology, Stanford, California
Topic: RNA virus fidelity, evolution, and dissemination within hosts

Graduate Student 9/1996-8/2001
Ph.D., 6/14/2001, Microbiology and Immunology, University of Michigan, Ann Arbor, Michigan
PI: Alice Telesnitsky, Ph.D.
Thesis: Factors that affect template switching during M-MuLV reverse transcription

Undergraduate Studies 9/1992-5/1996
B.A., Microbiology, *cum laude*, Miami University, Oxford, Ohio

HONORS and AWARDS

Awards
NIH MERIT Award, 2023
Excellence in Postdoctoral Mentoring Award, UT Southwestern Postdoctoral Association, 2022
O'Donnell Award in Science; TAMEST (\$25,000 prize), 2019
Kern and Marnie Wildenthal President's Research Council Professorship in Medical Science, 2018-2023
Elected to the American Academy of Microbiology, 2018
Distinguished Young Researcher Award, President's Research Council, UT Southwestern, 2007
MacNeal Distinguished Thesis Award, Microbiology and Immunology, University of Michigan, 2001

Foundation Awards
HHMI Faculty Scholar, 2016-2021
Burroughs Wellcome Fund, Investigators in the Pathogenesis of Infectious Diseases, 2012-2017
Kavli Fellow, 2010
Pew Scholar, 2007-2011
Damon Runyon Cancer Research Foundation Fellow, Rebecca Ridley Kry Fellow, 2002-2005

Lectureships

Lindenbach Lecture, Yale University, 2026

Bassford Lecture, UNC Chapel Hill, 2022

Sidney E. Grossberg Lectureship, Medical College of Wisconsin, 2021

Allan Granoff Lectureship, St. Jude's Children's Research Hospital, 2020

Bernard Fields Keynote Lecturer, FASEB Microbial Pathogenesis Conference, 2019

George Khoury Lecturer, NIH Director's Wednesday Afternoon Lecture Series, 2019

NIH Ruth L. Kirschstein Lecturer, 2010

RESEARCH SUPPORT

Ongoing support

NIH R01, NIAID R01AI158351-5 (NCE until 2/2027) 3/2021-2/2026

Title: Circadian control of enteric virus infection

Role: PI

NIH R01, NIAID R37AI074668-17 (MERIT Award) 2/2008-6/2028

Title: Enteric virus-microbiota interactions

Role: PI

NIH T32, NIAID 5T32 AI007520-21 9/1/2024-8/31/2029

Molecular Microbiology Training Grant

This training grant supports a multi-disciplinary Molecular Microbiology Training Program. The program supports 5 pre-doctoral and 2 post-doctoral trainees annually.

Role: PI/Director

Pending support

NIH R01, NIAID R01AI200934 7/2026-6/2031

Title: Polymerase-mediated temperature sensitivity of human rhinovirus

Role: PI

Reviewed March 2026: Score 28, 12%

Completed support

Howard Hughes Medical Institute 55108554 11/2016-10/2021

Faculty Scholars Program

Title: Enteric virus-microbiota interactions

Role: PI

Pew Innovation Fund 11/2019-10/2021

Title: Identification and characterization of innate immune factors in choanoflagellates

Role: PI (co-PI Nicole King, UC Berkeley/HHMI)

Burroughs Wellcome- Investigators in the Pathogenesis of Infectious Diseases 7/2012-6/2021

Title: How gut microbes enhance enteric virus infectivity

Role: PI

NIH R21, NIAID AI114927 4/2015-3/2018

Title: Viral co-infection induced by bacteria

Role: PI

<u>American Cancer Society, Research Scholar Grant</u> Title: Ribavirin uptake as a determinant of hepatitis C virus treatment response Role: PI	1/2011-12/2015
<u>World Health Organization- Global Poliovirus Eradication Initiative</u> Title: Using polysaccharides to enhance poliovirus vaccine efficacy Role: PI	3/2012-2/2014
<u>Pew Scholars Program</u> Title: The influence of host barriers on viral quasispecies diversity and pathogenesis Role: PI	8/2007-7/2011
<u>NIH/NCRR</u> 5 UL1 RR024982-02 Packer (PI) Title: Ribavirin uptake as a determinant of HCV treatment response Role: Pilot Award Recipient PI	5/2008-4/2009
<u>President's Research Council, UT Southwestern</u> Distinguished Young Researcher Award	5/2007-12/2009
<u>Harold C. Simmons Comprehensive Cancer Center, American Cancer Society</u> New Investigator Award, Institutional Research Grant Title: Mechanisms and consequences of genetic change in hepatitis C virus	9/2006-8/2007
<u>Lizanell and Colbert Coldwell Foundation</u> Title: Combating Hepatitis C Treatment Failure Role: PI	11/2006-10/2007
Damon Runyon Postdoctoral Fellowship, Rebecca Ridley Kry Fellow NIH Host-Pathogen Interactions Training Grant Postdoctoral Fellow Rackham Graduate School Predoctoral Fellow Cancer Biology Training Program/Nancy Newton Loeb Predoctoral Fellow NIH Genetics Training Grant Predoctoral Fellow Miami University Undergraduate Research Grant	10/2002-9/2005 2/2002-9/2002 9/2000-8/2001 9/1999-8/2000 9/1996-8/1998 9/1995-5/1996

SERVICE

Journals

Associate Editor, **Annual Review of Virology**, 2023-2027 (slated to become Editor in Chief in 2028)
Advisory Editorial Board, **Cell Host & Microbe**, 2020-present
Board of Reviewing Editors, **Science**, 2018-present
Section Editor, **PLoS Pathogens**, 2018
Senior Editor, **Journal of Virology**, 2016-2021
Associate Editor (Gems Articles), **Journal of Virology**, 2013-2016
Editorial Advisory Board, **Microbe**, 2013-2017
Founding Editorial Committee Member, **Annual Review of Virology**, 2012-present
Editorial Board, **Journal of Virology**, 2010-2016
Reviewer: **Nature**, **Science**, **PLoS Pathogens**, **Cell Host and Microbe**, **Nature Communications**, **Journal of Virology**, **Antiviral Research**, **Molecular Biology and Evolution**, **RNA**, **Gastroenterology**, **Virology**, **Hepatology**, **Nature Microbiology**, **mBio**, **eLife**

Conference Organization

Power Hour Organizer, Viruses and Cells Gordon Research Conference, 2023

Co-Organizer, EMBL Conference: Innate Immunity in Host-Pathogen Interactions, 2022
 Chair, Viruses and Cells Gordon Research Conference, 2019 (Vice Chair, 2017)
 Co-Organizer, ASM/ASV Conference on Interplay of Viral and Bacterial Pathogens, 2017
 Session Moderator: Virus-Host Interactions, Positive Strand RNA Viruses III, ASV Conference, 2016
 Session Moderator: "Antivirals and Therapeutic Interventions", American Society for Virology Conference, 2009
 Co-organizer, Pew Scholars Conference, 2009
 Session Moderator: "Microbiology", Pew Scholars Conference, 2009
 Session Moderator, Viruses and Cells Gordon Conference, 2011, 2015
 Session Moderator: "Viral Pathogenesis", IUMS Conference, 2014
 Session Moderator: "Picornaviruses I: Biology", ASV Conference, 2014
 Session Moderator: "It takes a villus: Mechanisms of enteric pathogens", ASM Conference, 2014
 Session Moderator: "Mechanisms of Cell Entry", Keystone Conference, 2014

Grant/Investigator Review

NIH Study Section, ZRG1 IIDB-P(02), Member Conflict, 4/2026
 NIH NIAID Board of Scientific Counselors, Ad Hoc Member (Intramural Review), 2023
 Morgridge Institute Review of Paul Ahlquist, 2023
 Pew Marine & Biomedical Sciences Fellowship Selection Committee, 2022-2023
 NIH Study Section ZRG1 IDIA-S (02) Member Conflict: Topics in Virology; Ad Hoc Reviewer, 6/2022
 NIH Virology B Study Section, Member, 2015-2021
 American Cancer Society, Ad Hoc Grant Reviewer, 2014, 2015
 NIH VIRB Study Section; Ad Hoc Reviewer, 2011, 2014
 NIH CFS-M Study Section; Temporary Member, 2009

Miscellaneous

Academic Reviewer, Department of Molecular Genetics and Microbiology, Duke University SOM, 2026
 Academic Program Reviewer, University of Washington Department of Microbiology, 2023-2024
 External Advisory Committee Member for Training Grants
 Harvard University (T32: Mechanisms of Viral Infectivity), 2018-present
 U. Maryland Baltimore (T32: Systems-Level Research in Microbial Pathogenesis), 2019-present
 University of Pittsburgh (T32: Molecular Microbial Persistence and Pathogenesis), 2019-present
 Duke University (T32: Interdisciplinary Program in Host Microbial Interactions), 2019-present
 St. Jude (T32: Infectious Disease Therapeutics Training Program), 2020-present
 Founding Member, "Scientists for Science", 2014
 Member: American Society for Virology, American Society for Microbiology, 2007-present

COMMUNITY SERVICE AND CAREER DEVELOPMENT

1. Mentor, to STARS (Science Teacher Access to Resources at UT Southwestern) program 6/2006-8/2006
 summer research participant Katarina Solberg
 Purpose: Mentor Ms. Solberg during summer research on the effect of ribavirin on poliovirus,
 to provide her exposure to bench science.
2. Panelist, UT Southwestern Postdoctoral Association Career Development Workshop 9/2006
 Topic: How to plan for an academic job
3. Speaker, STARS (Science Teacher Access to Resources at UT Southwestern) Symposium 4/2007
 Purpose: Give local high school science teachers an overview of academic science
 to take back to the classroom.
4. Panelist, UT Southwestern Postdoctoral Association Career Development Workshop 2/2008
 Topic: The academic job search

5. Speaker, STARS (Science Teacher Access to Resources at UT Southwestern) Seminar Series 7/7/2010
Purpose: Give local high school science teachers an overview of academic science to take back to the classroom.
6. Speaker, Dallas Independent School District Science Fair 1/22/2011
Purpose: Give local high school science teachers an overview of academic science to take back to the classroom.
7. Speaker, STARS (Science Teacher Access to Resources at UT Southwestern) Seminar Series 6/22/2011
Purpose: Give local high school science teachers an overview of academic science to take back to the classroom.
8. Speaker, Uplift Education Science Fair 1/21/2012
Purpose: Expose science fair participants, parents, and teachers to basic science research
9. Tutorial, Molecular Microbiology Career Development Workshop 3/26/2014
Purpose: Provide tips for how to find a postdoctoral fellowship to microbiology graduate students
10. UTSW DBS Career Development Workshop 8/14/2014
Purpose: Provide tips for how to find a postdoctoral fellowship to graduate students
11. UTSW "Future Faculty Fridays" Workshop on Teaching and Course Design 2/6/2015
Purpose: Provide postdoctoral fellows with information about course design and teaching methods
12. STARS (Science Teacher Access to Resources at UT Southwestern) Lab Visit Host 7/23/2015
Purpose: Expose high school students and teachers to basic science research by hosting a one-hour lab tour/presentation.
13. UTSW SPEaC/PDA "Science After Dark" tutorial for postdoctoral fellows 6/16/2016
Purpose: Share tips on effective science communication to different audiences (field-specific, general scientific, and lay audience)
14. Science communication workshop for Molecular Microbiology Training Grant trainees 7/12/2016
Purpose: Share tips on effective science communication to different audiences (field-specific, general scientific, and lay audience); critique 1 minute and 5 minute talks from trainees
15. STARS (Science Teacher Access to Resources at UT Southwestern) Lab Visit Host 7/19/2016
Purpose: Expose high school students and teachers to basic science research by hosting a one-hour lab tour/presentation.
16. SACNAS workshop on "How to find a postdoctoral fellowship" 4/6/2017
Purpose: Provide tips for how to find a postdoctoral fellowship for students in our local SACNAS chapter.
17. UTSW "Future Faculty Fridays" Workshop on Teaching and Course Design 2/2/2018
Purpose: Provide postdoctoral fellows with information about course design and teaching methods
18. UTSW CoCONNECT (Cultivating Narrative for Effective Communication) Program 6/5/2018
Purpose: Science communication workshop for UTSW trainees: "How to give a [scientific] talk to a diverse and broad audience."
19. UTSW "Science Saturday" 11/3/2018
Purpose: Community science outreach through hands-on experiments at a booth on the UTSW campus.

20. STARS (Science Teacher Access to Resources at UT Southwestern) Seminar 7/3/2019
Purpose: Expose high school students and teachers to basic science research by giving a one-hour presentation.
21. SURF (Summer Undergraduate Research Fellowship, UTSW) Seminar 8/1/2019
Purpose: Present our work to summer undergraduates in our fellowship program.
22. Writing workshop for early career faculty in UTSW Microbiology and Immunology 11/15/2019
Purpose: Present a tutorial on grant and paper writing.
23. STARS (Science Teacher Access to Resources at UT Southwestern) Seminar 6/17/2020
Purpose: Expose high school students and teachers to basic science research by giving a one-hour presentation.
24. Hosted UTSW Panel Workshop on Non-Academic Careers in Science 12/18/2020
Purpose: Expose training grant trainees and other students and postdocs to non-academic careers through a zoom-based discussion with 9 former UTSW students who now have positions in government, industry, or free-lance work/science writing.
25. Hosted COVID Vaccine Education Town Hall meetings (sponsored by ASV/ASM) 3/23/2021, 3/29/2021
Purpose: Answer questions from the public about SARS-CoV-2 and the vaccines via zoom, with a goal to reduce vaccine hesitancy.
26. SURF (Summer Undergraduate Research Fellowship, UTSW) Seminar 7/1/2021
Purpose: Present our work to summer undergraduates in our fellowship program.
27. Panelist, UTSW What To Know informational session on COVID omicron variant 12/15/2021
Purpose: Q&A session on COVID and omicron variant for North Texas and UTSW.
28. Postdoctoral Association Seminar, "Easily distracted by shiny objects: Mentoring people with broad research interests" 9/20/2022
Purpose: Mentoring strategy talk for postdoctoral fellows
29. STARS (Science Teacher Access to Resources at UT Southwestern) Seminar 7/12/2023
Purpose: Expose high school students and teachers to basic science research by giving a one-hour presentation.
30. STARS (Science Teacher Access to Resources at UT Southwestern) Seminar 6/25/2025
Purpose: Expose high school students and teachers to basic science research by giving a one-hour presentation.

COMMUNITY BUILDING ACTIVITIES

1. STARS (Science Teacher Access to Resources at UTSW) seminars 2007,2010,2011,2019,2020
Purpose: Expose local high school students and teachers to basic science research by presenting a one hour seminar on our work at UTSW.
2. Speaker, Dallas Independent School District Science Fair 1/22/2011
Purpose: Give local high school science teachers an overview of academic science to take back to the classroom.
3. Speaker, Uplift Education Science Fair 1/21/2012
Purpose: Expose science fair participants, parents, and teachers to basic science research.

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| 4. STARS (Science Teacher Access to Resources at UTSW) Lab Visit Host
Purpose: Expose local high school students and teachers to basic science research by hosting a one-hour lab tour/presentation. | 2015,2016 |
| 5. Inaugural Faculty Member of UTSW Chapter of SACNAS
Purpose: Serve as a faculty advisor to our local SACNAS chapter. | 4/2015-present |
| 6. SACNAS workshop on "How to find a postdoctoral fellowship"
Purpose: Provide tips for how to find a postdoctoral fellowship for students in our local SACNAS chapter, with an emphasis on overcoming imposter syndrome. | 4/6/2017 |
| 7. Received formal mentor training at HHMI (part of Hanna Gray Fellows program)
Purpose: Learned effective mentoring strategies. | 10/2/2019 |
| 8. UTSW PROVIDES Advisory Committee
Purpose: Select and mentor candidates for the PROVIDES program at UTSW. | 2/2020-present |
| 9. Member, Department of Microbiology Community Spotlight Committee
Purpose: Developed an Action Plan for departmental support of community, and ongoing efforts to ensure a welcoming environment for all. | 6/2020-present |
| 10. UTSW NIH FIRST Faculty Advisory Committee | 2021-2025 |
| 11. Implicit Bias Workshop, Quinn Capers (Associate Dean of Faculty Diversity at UTSW)
Purpose: Learn about implicit bias and bias mitigation strategies with Dept faculty | 1/11/2022 |
| 12. UTSW WISMAC panel, "Growing into Leadership" | 10/24/2024 |

TEACHING

Summary of current teaching (bolded below):

As of 2026, 5 lectures per year at UTSW (2 Medical School lectures, 3 Graduate School lectures)

1. Instructor, Medical Microbiology (UT Southwestern Medical Students)

MS2 Fundamentals; Medical Microbiology

Introduction to Viruses	2007-2015
RNA Viruses I	2007-2015
RNA Viruses II	2007-2015

Organisms and the Host Course

Introduction to Virology	2015-2025
Viral Pathogenesis and RNA Viruses	2015-2025
COVID Q&A session	2020-2021

Laboratory Courses

Bacterial Morphology, Staining, and Plating	2009, 2010, 2012
The Respiratory System	2011
Gastrointestinal Pathogens	2013, 2014

Medical Microbiology Core Principle Conference

CNS Infections	2011
Gastrointestinal Infections	2014
Outbreak Conference	

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| 2. Instructor, Immunology of Infectious Diseases (UT Southwestern Graduate Students) | |
| HCV pathogenesis: lecture | 2008 |
| HCV pathogenesis: journal club | 2008 |
| 3. Instructor, Molecular Microbiology: Virology (UT Southwestern Graduate Students) | |
| Viral Entry | 2006-2011 |
| RNA Virus Replication | 2006-2024 |
| Viral Genetics | 2006-2026 |
| 4. Instructor, Principles of Microbiology (UT Southwestern Graduate Students) | |
| Introduction to Virology | 2007-2013 |
| Viral Evolution and Emergence | 2007-2024,2026 |
| Recombinant DNA and Cloning | 2009-2022 |
| How to pass your qualifying exam | 2012-2016 |
| How to read papers and give presentations | 2013-2024 |
| How to write grants and papers | 2013-2024 |
| Science Communication by Mouth and Pen | 2026-present |
| Philosophy of hypothesis testing and practical applications | 2022-2023 |
| 5. Course Director, Principles of Microbiology (UT Southwestern Graduate Students) | 2007, 2011-2014, 2022 |
| 6. Course Director, Microbiology Journal Club (UT Southwestern Graduate Students) | 2013, 2017, 2022 |
| 7. Lecturer: Rockefeller University Virology Course (Charlie Rice, course director), New York. | |
| Picornaviruses | 3/2019 |
| Picornaviruses and Microbiota-Virus Interactions (via Zoom) | 3/2021 |
| Picornaviruses, Microbiota-Virus Interactions, and Circadian Effects on Infection | 4/2023 |

DISSERTATION STUDENTS

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| 1. Kristie Ibarra, Molecular Microbiology Graduate Program, UT Southwestern | 3/2006-4/2011 |
| Thesis: Ribavirin uptake as a determinant of HCV treatment response | |
| Current position: Research Scientist at 23andMe | |
| 2. Sharon Kuss, Molecular Microbiology Graduate Program, UT Southwestern | 3/2007-10/2011 |
| Thesis: Bottleneck-mediated quasispecies restriction during poliovirus spread | |
| Current position: Research Scientist/Instructor at UC Denver | |
| 3. Karen Lancaster, Microbiology Graduate Program, UT Southwestern | 3/2008-7/2012 |
| Thesis: Mechanisms controlling virulence thresholds of mixed viral populations and identification of host barriers during viral trafficking in the CNS | |
| Current position: Teacher at The Baldwin School | |
| 4. Lauren Grenzicki Luethy, Microbiology Graduate Program, UT Southwestern | 3/2011-9/25/2015 |
| Thesis: Neuronal dissemination patterns of three distinct viruses and mechanisms regulating viral retrograde axonal transport | |
| Current position: Government/Pentagon | |
| 5. Yao Wang, Microbiology Graduate Program, UT Southwestern | 1/2012-4/2017 |
| Thesis: Unexpected factors that control coxsackievirus replication | |
| Current position: PA private practice | |
| 6. Elizabeth Aguilera, Microbiology Graduate Program, UT Southwestern | 10/2013-10/2018 |
| Thesis: Enteric virus-microbiota interactions | |
| Current position: Professional and Leadership Programs Manager at SACNAS | |
| 7. Mikal Woods Acevedo, Microbiology Graduate Program, UT Southwestern | 1/2017-5/2021 |
| Thesis: Unique aspects of intestinal biology that influence enteric virus infection | |
| Current position: Postdoctoral Fellow at U. Pittsburgh | |

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| 8. Matthew Lanahan, Microbiology Graduate Program, UT Southwestern
Thesis: Tradeoffs for a viral mutant with enhanced replication speed
Current position: Iconovir, San Diego, CA | 2/2017-8/2021 |
| 9. Melissa Budicini, Microbiology Graduate Program, UT Southwestern
Thesis: Mechanisms of virion stabilization by bacterial glycans
Current position: Flagship Pioneering, MA | 1/2019-4/2024 |
| 10. Robert Maples, Immunology Graduate Program, UT Southwestern
Thesis: Circadian control of viral infection | 2/2020-present |
| 11. Valerie Rodriguez-Irizarry, Microbiology Graduate Program, UT Southwestern
Thesis: Murine norovirus tropism determinants
Current Position: Postdoc with Mike Diamond at Wash U | 2/2021-8/2025 |
| 12. Alexandria Lowe, Immunology Graduate Program, UT Southwestern
Thesis: CVB3 tropism and host restriction | 2/2021-present |
| 13. Aidan Drozdick
Thesis: Rhinovirus determinants of temperature sensitive replication | 1/2025-present |
| 14. Rashi Jindal
Thesis: CVB3 adaptation to mouse cells | 3/2025-present |

POSTDOCTORAL FELLOWS

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| 1. Andrea Erickson, Ph.D.
Current position: Research Scientist at UTSW | 9/2008-8/2014 |
| 2. Chris Robinson, Ph.D.
Current position: Associate Professor of Microbiology and Immunology at the
Indiana University School of Medicine | 7/2011-6/2017 |
| 3. Broc McCune, Ph.D.
Current position: Scientist at Moderna | 11/2016-12/2019 |
| 4. Arielle Woznica, Ph.D.
HHMI Hanna Gray Fellow
Current position: Assistant Professor of Molecular Biosciences at UT Austin | 8/2017-1/2023 |
| 5. Katherine Mann, Ph.D.
Current position: Scientist at the Food and Drug Administration | 8/2017-5/2018 |
| 6. Hua Lu, Ph.D.
Current position: Research Scientist in China | 9/2018-4/2020 |
| 7. Josh Baty, Ph.D.
Current position: Assistant Professor, University of Evansville | 8/2023-7/2025 |

OTHER STUDENTS

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|--|-----------------|
| 1. Katarina Solberg, STARS Program, summer research | 6/2006-8/2006 |
| 2. Corinne Bruce, Rotation | 8/2006-10/2006 |
| 3. Matt Jamison, Rotation | 10/2007-12/2007 |
| 4. Bruce Doxey, Medical Student Summer Research | 6/2008-8/2008 |
| 5. TJ Calder, Rotation | 8/2009-10/2009 |
| 6. Sarah Gonzales, Rotation | 10/2009-12/2009 |
| 7. Qiongqiong (Christina) Yang, Summer Undergraduate Research Fellow | 6/2010-8/2010 |
| 8. Steven Gore, Rotation | 8/2010-10/2010 |
| 9. Paul Luethy, Rotation | 10/2010-12/2010 |
| 10. Cara Spanel-Weber, Rotation | 10/2011-12/2011 |
| 11. Pamela de la Cruz Rivera, MSTP rotation | 7/2012-8/2012 |
| 12. Jorge Mantilla-Aguas, Rotation | 9/2013-10/2013 |
| 13. Minghao Li, Rotation | 9/2015-10/2015 |
| 14. Ricardo Irizarry-Caro, Rotation | 10/2015-12/2015 |

15. Garrett Overcast, Rotation	9/2016-10/2016
16. Robert Africa, Summer Undergraduate Research Fellow	6/2018-8/2018
17. Sam Erickson, Summer Medical Student Fellow	6/2019-8/2019
18. Jesus Portillo, MSTP and Microbiology Graduate Program, UT Southwestern	11/2021-2/2023
19. Kate Corey, Rotation	10/2024-12/2024

THESIS COMMITTEES

1. Brian Keller (M. Gale)	8/2006-5/2007
2. Andrea Erickson (M. Gale)	2/2006-8/2008
3. Amanda Leone (D. Sodora)	8/2006-10/2009
4. Hilario Ramos (D. Farrar)	9/2006-4/2009
5. Chris Ayers (N. Karandikar)	10/2006-11/2008
6. David Owen (M. Gale)	2/2007-6/2009
7. Kiran Mir (D. Sodora)	7/2007-11/2010
8. Hua Huang (M. Brown)	11/2007-12/2008
9. Kristie Ibarra (J. Pfeiffer)	1/2008-12/2010
10. Sharon Kuss (J. Pfeiffer)	7/2008-6/2011
11. Karen Lancaster (J. Pfeiffer)	7/2009-10/2011
12. Bray Denard (J. Ye)	7/2009-4/2012
13. John Krisko (J.V. Garcia-Martinez)	8/2009-10/2009
14. Qiuyue Chen (J. Ye)	3/2010-7/2013
15. Angela Desmond (E. Vitetta)	7/2010-7/2013
16. Sarah Hulsey (N. Conrad)	10/2011-9/2013
17. Ellen Lee (J. Ye)	8/2012-9/2015
18. Leonardo Estrada (D. Farrar)	10/2012-5/2017
19. Lauren Luethy (J. Pfeiffer)	10/2013-9/2015
20. Yao Wang (J. Pfeiffer)	5/2014-5/2017
21. Blake Richardson (J. Schoggins)	8/2014-3/2019
22. Pamela de la Cruz Rivera (J. Schoggins)	1/2015-3/2018
23. Yajing Gao (C. Pasare)	1/2015-12/2019
24. Chukwuemika Aroh (N. Yan/E. Wakeland)	4/2015-4/2017
25. Elizabeth Aguilera (J. Pfeiffer)	9/2015-10/2018
26. Nick Rinkenberger (J. Schoggins)	9/2015-5/2019
27. Elizabeth Luper (S. Winter)	7/2016-2/2020
28. Jiawei Zhao (R. Wang)	11/2017-4/2020
29. Kyle Goodman (D. Hendrixson)	11/2017-5/2020
30. Rachael Chanin (S. Winter)	9/2018-5/2021
31. Mikal Woods Acevedo (J. Pfeiffer)	9/2018-3/2021
32. Matt Lanahan (J. Pfeiffer)	9/2018-6/2021
33. Christina Zarek (T. Reese)	10/2018-11/2022
34. Dahee Seo (D. Gammon)	8/2019-2/2024
35. Kennady Abbott (N. Yan)	3/2020-4/2024
36. Matt McDougal (J. Schoggins)	8/2020-2/2024
37. Brittany Stewart (R. Orchard)	8/2020-10/2024
38. Melissa Budicini (J. Pfeiffer)	8/2020-2/2024
39. Moiz Munir (R. Orchard)	11/2020-2/2024
40. Mridula Annaswamy Srinivas (R. Orchard)	6/2021-10/2025
41. Robert Maples (J. Pfeiffer)	6/2021-present
42. Yafang Deng (J. Chen)	7/2021-present
43. Stacey Crockett (R. Orchard)	7/2022-9/2025
44. Valerie Irizarry-Rodriguez (J. Pfeiffer)	11/2022-5/2025
45. Noah Pollack (W. Jackson, U. Maryland SOM, External Member)	12/2022-present
46. Alexandria Lowe (J. Pfeiffer)	7/2023-present

47. J Coronado (T. Reese)	7/2023-present
48. Erick Perez (J. Schoggins)	8/2023-present
49. Brennan Confer (R. Orchard)	11/2023-present
50. Emi Nakahara (J. Schoggins)	7/2024-present
51. Jessica Alvarez (D. Hancks)	7/2025-present

ADVISORY COMMITTEES

1. Rhea Sumpter, M.D. (laboratory of Dr. Beth Levine, ID Fellow)	2013-2017
2. Natasha Hanners, M.D. (laboratory of Dr. John Schoggins, Pediatric ID Fellow)	2014-present
3. Josephine Thinwa, M.D./Ph.D. (laboratory of Dr. Beth Levine; K08/BWF-CAMS)	2020-present
4. Danyal Alam (laboratory of Dr. Todd Roberts, F99/K00 D-SPAN fellow)	2020-present
5. Xin Li (Assistant Professor, Cellular and ImmunoTherapeutics Program)	2023-present
6. Scott Saunders (Distinguished Fellow, UTSW Dept. of Bioinformatics)	2025-present

QUALIFYING EXAM COMMITTEES

1. David Owen	2006
2. Amanda Leone	2006
3. Kiran Mir	Chair, 2007
4. Sarah Hulseley	Chair, 2010
5. Jamaal Benjamin	2011
6. Andra Robinson	2011
7. Ryan McNamara	Chair, 2012
8. Chelsea Stamm	Chair, 2013
9. Shreya Endapally	Chair, 2014
10. Nick Rinkenberger	2015
11. Nora-Guadalupe Ramirez	Chair, 2016
12. Rachael Chanin	2018
13. Dahee Seo	2019
14. Brittany Stewart	Chair, 2020
15. Stacey Crockett	Chair, 2022
16. Henry Vo	Chair, 2023
17. Emily Rex	2023
18. Jessica Cambric	Chair, 2024
19. Serena Cornelius	Chair, 2025
20. Sofia Rivera	2026

OTHER COMMITTEES

UTSW VP for Business Affairs Search Committee	2025-present
UTSW Conflict of Interest Commission	2025-present
UTSW Task Force on F&A Cost Reduction	2025
UTSW Six Year Strategic Plan, Chair of Subcommittee on Student and Postdoctoral Training	2025
UTSW Graduate Schools Advisory Council	2024-2027
UTSW Faculty Advisory Board	2024-present
UTSW Virology Club, Director	2024-present
UTSW Graduate School Advisory Council	2024-present
UTSW Research Misconduct Investigation Committee	2024
Steering Committee Member, Beth Levine, MD Prize in Autophagy Research	2023-present
UTSW Vice Provost and Senior Associate Dean for Education Search Committee	2023-2024

UTSW Associate Dean for Faculty Development Search Committee	2022-2023
UTSW Research Misconduct Inquiry Committee	2021
UTSW Cell Biology Chair Search Committee	2021-2022
UTSW NIH FIRST Faculty Diversity Initiative, Faculty Advisory Committee	2021-2025
UTSW Provost's Initiative for Diverse Emerging Scholars (PROVIDES) Advisory Committee	2020-2025
UTSW Faculty Tribunal Panel	2020-present
UTSW MSTP Steering Committee Member	2016-2023
UTSW Inaugural Faculty Member of our Chapter of SACNAS	2015-present
UTSW DBS First Year Graduate Student Advisory Committee (Chair, 2017-present)	2009-2023
UTSW Microbiology Faculty Search Committee, Virology (Chair 2011-2016, 2021-present)	2006-2023
UTSW Medical School Curriculum Scholarly Activity Initiative Committee	2015-2016
Co-Director, Molecular Microbiology Training Grant	2014-2018
UTSW High Impact/High Risk Grant Selection Committee	2013-2017
UTSW Pew Nomination Selection Committee	2012-present
UTSW Research Continuity Committee	2009
UTSW DBS Graduate Student Admissions Committee	2007- 2014
UTSW DBS International Admissions Committee	2007-2008
UTSW Infectious Diseases Virology Seminar Series Coordinator	2007-2009

INTERNAL PRESENTATIONS

1. Infectious Diseases Virology Seminar Series Mechanisms and consequences of viral variation in poliovirus and hepatitis C virus	4/2006
2. Viral Hepatitis Interest Group (VHIG) Mechanisms and consequences of viral variation in hepatitis C virus	4/2006
3. MSTP works in progress seminar Viral and host factors that influence RNA virus diversity	6/2006
4. New Faculty Research Forum RNA virus evolution and drug resistance	10/2006
5. DBS works in progress seminar Viral and host factors that influence poliovirus diversity	3/2007
6. STARS Program: Viruses Viral and host factors that influence poliovirus diversity	4/2007
7. Infectious Diseases Virology Seminar Series Ribavirin uptake as a determinant of HCV treatment response	4/2007
8. RNA club RNA virus diversity and limitations on quasispecies spread	9/9/2008
9. MSTP works in progress seminar Identification of host barriers that limit poliovirus spread	11/18/2008
10. Infectious Diseases Virology Seminar Series Multiple host barriers limit poliovirus trafficking in mice	2/11/2009
11. RNA club Multiple host barriers restrict poliovirus trafficking in mice	3/9/2010

12. Neuroscience Seminar Series Neurovirology of poliovirus: An accidental tourist in the central nervous system	3/16/2010
13. Rheumatology Seminar Series Neurovirology of poliovirus: An accidental tourist in the central nervous system	5/3/2010
14. STARS (Science Teacher Access to Resources at UT Southwestern) Seminar Series A party in your gut: Bacteria, viruses, and you	7/7/2010
15. Cell Biology Seminar Series Complex interactions in the gut: enteric viruses, bacteria, mucosa, and immunity	6/7/2011
16. Pediatric Infectious Diseases Seminar Series Complex interactions in the gut: enteric viruses, bacteria, mucosa, and immunity	6/8/2011
17. STARS (Science Teacher Access to Resources at UT Southwestern) Seminar Series A party in your gut: Bacteria, viruses, and you	6/22/2011
18. STARS (Science Teacher Access to Resources at UT Southwestern) Seminar Series A party in your gut: Bacteria, viruses, and you	6/27/2012
19. MSTP Works in Progress Seminar How gut microbes enhance enteric virus infectivity	7/9/2013
20. Pharmacology Seminar How gut bacteria enhance enteric virus infectivity	1/9/2014
21. President's Research Council Enteric viruses: More than indigestion	1/14/2014
22. Immunology Seminar Series How gut bacteria enhance enteric virus infectivity	11/12/2014
23. Microbiology Seminar Series How gut bacteria enhance enteric virus infectivity	1/20/2015
24. Pediatric Infectious Disease Fellows Seminar How gut bacteria enhance enteric virus infectivity	2/5/2015
25. MSTP Works in Progress Seminar How gut bacteria enhance enteric virus infection	5/23/2017
26. Infectious Diseases Seminar Series How gut bacteria enhance enteric virus infection	4/10/2019
27. UTSW STARS Seminar Series How gut bacteria enhance enteric virus infection	7/3/2019
28. UTSW SURF Seminar Series How gut bacteria enhance enteric virus infection	8/1/2019
29. MSTP Works in Progress Seminar How gut bacteria enhance enteric virus infection	11/19/2019
30. UTSW University Lecture Series	1/15/2020

Getting by with a little help from their friends: How bacteria enhance viral infection

31. UTSW STARS Seminar Series How gut bacteria enhance enteric virus infection (via Zoom)	6/17/2020
32. Pharmacology Seminar Series How bacteria and circadian rhythms influence enteric virus infection (via Zoom)	10/8/2020
33. UTSW President's Lecture Series With a little help from their friends: How bacteria promote viral infection (via Zoom)	10/29/2020
34. UTSW Postdoctoral Association Lecture Easily distracted by shiny objects: Mentoring people with diverse research interests	9/20/2022
35. UTSW Glycobiology Discussion Group How bacteria influence enteric viral infection through glycan interactions	12/8/2022
36. UTSW STARS Seminar Series With a little help from their friends: How bacteria promote viral infection	7/12/2023
37. UTSW Physiology Seminar Series How bacteria and circadian rhythms influence enteric virus infection	9/9/2024

EXTERNAL PRESENTATIONS

1. **Cold Spring Harbor Retroviruses Meeting, Poster.** 1999. CSH, NY.
2. **Cold Spring Harbor Retroviruses Meeting, Short Talk.** 2000. CSH, NY.
3. **Cold Spring Harbor Retroviruses Meeting, Poster.** 2001 CSH, NY.
4. **Gordon Research Conference on Viruses and Cells, Poster.** 2001. Tilton School, NH.
5. **Europic Conference, Poster.** 2002 Cape Cod, MA.
6. **Gordon Research Conference on Viruses and Cells, Poster.** 2003. Tuscany, Italy.
7. **University of Michigan MacNeal Thesis Award Presentation, Microbiology.** 2003. Ann Arbor, MI.
8. **HCV conference.** 2003. Short talk. Kyoto Japan.
9. **Positive Stand RNA Virus Meeting.** 2004. Short talk. San Francisco, CA.
10. **HCV conference.** 2004. Short talk. Heidelberg, Germany.
11. **Virus Evolution Workshop.** 2006. Samuel Roberts Noble Foundation, Ardmore, OK.
12. **American Association for the Study of Liver Diseases.** 2007. Chicago, IL.
13. **American Society for Virology.** 6/2007. Workshop talk. Corvallis, OR.
14. **Indiana University.** 2/2008. Microbiology Seminar Series.
15. **Pew Scholars Conference.** 3/2008. Aruba.
16. **Virus Evolution Workshop.** 2008. Samuel Roberts Noble Foundation, Ardmore, OK.
17. **Pew Scholars Conference, Poster.** 3/2009. Puerto Rico.
18. **Gordon Conference on Viruses and Cells.** 5/2009. Tuscany, Italy.
19. **American Society for Virology.** 6/2009. Workshop Talk. Vancouver, BC, Canada.
20. **University of Pennsylvania.** 11/2009. Department of Microbiology.
21. **Baylor College of Medicine.** 11/2009. Department of Molecular Virology and Microbiology.
22. **Keystone Conference: Cell biology of virus entry, replication, and pathogenesis.** 2/2010. Taos, MN.
23. **Pew Scholars Conference, Poster.** 3/2010. Costa Rica.
24. **NIH.** 5/17/2010. A Tribute to Dr. Ruth L. Kirschstein: Inspiring the Best in Others. Bethesda, MD.
25. **International Symposium on Positive-Strand RNA Viruses.** 5/2010. Atlanta, GA.
26. **American Society for Virology Conference.** 7/2010. Bozeman, MT.
27. **University of California- Berkeley.** 9/2010. Molecular and Cell Biology, Plant and Microbial Biology.
28. **Fox Chase Cancer Center.** 10/2010. Philadelphia, PA.
29. **ASM Conference on Beneficial Microbes.** 10/2010. Miami, FL.

30. **Kavli Frontiers of Science, Poster.** 11/2010. Irvine, CA.
31. **Vanderbilt University.** 11/2010. Department of Pediatric Infectious Diseases.
32. **Northwestern University.** 12/2010. Department of Microbiology and Immunology.
33. **Washington University.** 1/2011. Molecular Microbiology and Microbial Pathogenesis Seminar Series.
34. **University of California-Irvine.** 3/2011. Center for Virus Research Seminar Series.
35. **Pew Scholars Conference.** 3/2011. Cozumel, Mexico.
36. **NIAID Fellows Retreat.** 3/2011. Washington, D.C.
37. **Rockefeller University.** 5/2011. Center for the Study of Hepatitis C Virus.
38. **HCV Conference.** 9/2011. Seattle, WA.
39. **Pasteur Institute.** 10/2011. Paris, France.
40. **Tufts University.** 11/2011. Joint Seminar Series: Genetics, Immunology, and Molecular Microbiology.
41. **University of Maryland.** 12/2011. Institute for Genome Sciences.
42. **University of Illinois.** 12/2011. Department of Microbiology.
43. **University of Texas Medical Branch.** 1/2012. Infectious Diseases & Immunity Colloquium Series.
44. **University of Texas at Austin.** 3/2012. Cell and Molecular Biology Seminar Series.
45. **St. Louis University.** 5/2012. Molecular Microbiology and Immunology.
46. **European Academy of Microbiology.** 6/2012. Conf. on Microbial Coinfections. Halle, Germany.
47. **Swedish Society for Virology.** 8/2012. Smogen, Sweden.
48. **University of Michigan.** 10/2012. Rackham Centennial- Heritage Lecture.
49. **Naito Conference: Infection, immunity and their control for health.** 10/2012. Sapporo, Japan.
50. **Mt. Sinai School of Medicine.** 11/2012. Department of Microbiology Seminar Series.
51. **University of Florida.** 1/28/2013. Department of Molecular Genetics and Microbiology.
52. **Harvard University.** 2/14/2013. Virology Program.
53. **INSERM.** 2/23/2013. MD/Ph.D. program retreat invited speaker. Paris, France.
54. **University of North Carolina at Chapel Hill.** 3/5/2013. Department of Microbiology and Immunology.
55. **Viral Evolution Conference.** 3/8/2013. State College, PA.
56. **University of Chicago.** 3/17/2013. Department of Microbiology.
57. **Gordon Conference on Viruses and Cells.** 5/8/2013. Tuscany, Italy.
58. **University of California at Davis.** 5/24/2013. Medical Microbiology and Immunology.
59. **Li Ka Shing Institute of Virology Symposium.** 5/31/2013. Edmonton, Canada
60. **New York University.** 6/20/2013. Department of Microbiology.
61. **Burroughs Wellcome Fund Summer Awardee Meeting.** 8/7/2013. Calgary, Canada.
62. **European Congress of Virology.** 9/13/2013. Lyon, France.
63. **Albert Einstein College of Medicine.** 9/25/2013. Department of Cell Biology.
64. **University of Toledo.** 10/9/2013. Department of Medical Microbiology and Immunology.
65. **Scripps Research Institute.** 11/22/2013. Pathogenesis Affinity Group.
66. **University of Arkansas for Medical Sciences.** 3/6/2014. Department of Microbiology & Immunology.
67. **Keystone Conference: The Ins and Outs of Viral Infection.** 4/3/2014. Breckenridge, CO.
68. **Titisee Conference: Microbiome-host mutualism.** 4/12/2014. Titisee, Germany.
69. ***Brown University.** 5/1/2014. Pathobiology Graduate Students.
70. **American Society for Microbiology Conference.** 5/19/2014. Boston, MA.
71. **McGill University.** 5/28/2014. Complex Traits Group.
72. **American Society for Virology Conference.** 6/23/14. Workshop Session. Ft. Collins, CO.
73. **International Union of Microbiological Societies Conference.** 7/31/2014. Montreal, Canada.
74. **Montana State University.** 9/16/2014. Immunology and Infectious Diseases.
75. **NIH.** 9/23/14. Translational and Regulatory Science of Polio Vaccines and Antivirals. Bethesda, MD.
76. **University of Tokyo.** 10/21/14. Ito Symposium on Mucosal Immunity and Vaccine Development.
77. **Emory University.** 12/8/2014. Microbiology and Immunology.
78. **Vanderbilt University.** 2/27/2015. Pediatric Infectious Diseases.
79. **Duke University.** 4/9/2015. Duke Minisymposium on Pathogenic Human Viruses.
80. **University of Arizona.** 4/24/2015. Department of Immunobiology.
81. **Wake Forest University.** 5/28/2015. Department of Microbiology and Immunology.
82. ***University of Minnesota.** 6/10/2015. Institute for Molecular Virology Graduate Students.
83. **FASEB Conference on Molecular Pathogenesis.** 6/14/2015. Keystone, CO.
84. **NIAID workshop: The Role of the Microbiota in Infectious Diseases.** 9/1/2015. Rockville, MD.

85. **University of Wisconsin-Madison.** 9/25/15. Department of Medical Microbiology & Immunology.
86. **Pew Scholars Reunion.** 10/4/2015. Grand Cayman.
87. **Oregon State University.** 1/6/2016. Center for Genome Research & Biocomputing,
88. **Viruses: At the forefront of virus-host interactions.** 1/26/2016. Basel, Switzerland.
89. **Yale University.** 3/3/2016. Microbiology Graduate Program Seminar Series.
90. **University of Southern California.** 3/18/2016. Molecular Microbiology and Immunology Seminar.
91. ***University of Pittsburgh.** 4/15/2016. Molecular Virology & Microbiology Program Retreat.
92. **Keystone Conference on Positive Strand RNA Viruses.** 5/2/2016. Austin, TX.
93. **Penn State University: Living with our Viromes, Keynote talk.** 5/24/2016. State College, PA.
94. **American Society for Virology Plenary Talk.** 6/19/2016. Blacksburg, VA.
95. ***University of California-San Francisco/Gladstone Inst.** 6/30/2016. Student/Postdoc-invited speaker
96. **University of Heidelberg/DKFZ.** 7/5/2016. Heidelberg, Germany.
97. **University of California- Berkeley.** 9/21/2016. MCB seminar series. Berkeley, CA.
98. **Louisiana State University Health.** 9/28/2016. Microbiology and Immunology. Shreveport, LA.
99. **Texas Women's University.** 12/2/2016. Biology Department. Denton, TX.
100. **LS2 Swiss Life Sciences Meeting.** 2/2/2017. Zurich, Switzerland.
101. **Washington University.** 3/7/2017. Microbiology Seminar. St. Louis, MO.
102. **University of California- San Diego.** 3/13/2017. Immunology Seminar. La Jolla, CA.
103. **Genentech.** 4/17/2017. Department of Infectious Diseases Seminar. South San Francisco, CA.
104. **University of California-San Francisco.** 3/18/2017. Microbial Pathog. Seminar. San Francisco, CA.
105. **ASM/ASV Conference on Interplay of Viral and Bacterial Pathogens.** 5/3/2017. Bethesda, MD.
106. **University of Washington/Fred Hutchinson CRC.** 6/19/17. Viral Pathogenesis Retreat. Seattle, WA.
107. **University of Pennsylvania.** 9/20/17. Microbiology Seminar. Philadelphia, PA.
108. **University of California- Irvine.** 10/11/17. Microbiology and Molecular Genetics Seminar. Irvine, CA.
109. **Stanford University.** 10/27/17. Keynote, Microbiology and Immunology Retreat. Santa Cruz, CA.
110. **Western University.** 11/9/17. Microbiology and Immunology Seminar. London, Ontario, Canada.
111. **Australasian Virology Society Meeting.** 12/7/17. Keynote speaker. Glenelg, South Australia.
112. **Mt. Sinai/NYU Symposium on Virus-Host Interactions.** 2/8/18. Keynote speaker. New York, NY.
113. **Princeton University.** 3/28/18. Molecular Biology Seminar. Princeton, NJ.
114. **Johns Hopkins University.** 4/5/18. Molecular Microbiology and Immunology Seminar. Baltimore, MD.
115. **New York University.** 4/16/18. College of Global Public Health Seminar. New York, NY.
116. **Symposium on Glycoviropology.** 5/4/18. Plenary Speaker. Schontal, Germany.
117. **Herrenhausen Symposium on the Microbiome, Nature Medicine.** 5/7/18. Hannover, Germany.
118. **NIH.** 5/17/18. Cell Biology and Physiology Center Seminar Series. Bethesda, MD.
119. **Int Soc of Developmental and Comparative Immunology.** 6/19/18. Keynote speaker. Santa Fe, NM.
120. **EMBO/EMBL Symposium on Innate Immunity.** 6/26/18. Invited speaker. Heidelberg, Germany.
121. **ASV Satellite Symposium on Virus-Microbiota Interactions.** 7/14/18. College Park, MD.
122. **MBL Symposium, Maynard and Suzanne Goldman Endowed Lecturer.** 8/4/18. Woods Hole, MA.
123. **International dsRNA Virus Symposium Keynote Speaker.** 9/24/18. Houffalize, Belgium.
124. **Ohio State Infectious Diseases Institute.** 10/2/18. Keynote speaker. Columbus, OH.
125. **University of Illinois- Chicago.** 3/11/19. Dept. of Microbiology. Chicago, IL.
126. **Loyola University.** 4/18/19. Microbiology and Immunology. Chicago, IL.
127. **Cornell University.** 4/30/19. Biomedical & Biological Sciences Signature Seminars. Ithaca, NY.
128. **NIH.** 5/8/19. WALS, George Khoury Memorial Lecture. Bethesda, MD.
129. **Keystone Positive Strand RNA Virus Conference.** 6/10/19. Killarney, Ireland.
130. **FASEB Conference on Microbial Pathogenesis.** Bernard Fields Lecturer. 7/21/19. Snowmass, CO.
131. **University of Michigan.** 9/12/19. Virology Symposium. Ann Arbor, MI.
132. **University of North Carolina- Chapel Hill.** 10/29/19. Microbiology & Immunology. Chapel Hill, NC.
133. **Columbia University.** 12/11/19. Microbiology & Immunology. New York, NY.
134. **UCLA.** 1/23/20. Molecular Biology Institute (MBI) Interdepartmental Seminar Series. Los Angeles, CA.
135. **St. Jude's Children's Research Hosp.** 9/4/20. Allan Granoff Lectureship. Memphis, TN. (*Virtual*)
136. ***U Colorado-Anschutz.** 11/13/20 Immunology & Microbiology Graduate Students. Aurora, CO (*Virtual*)
137. ***Wayne State U.** 11/17/20. Biochem, Micro, Immuno Graduate Students. Detroit, MI (*Virtual*)
138. **Viral Evolution Seminar Series.** 11/30/20. (*Virtual*)
139. ***University of Washington.** 12/8/20. Microbiology Postdocs. Seattle, WA. (*Virtual*)

140. **Harvard University**. 12/17/20. Digestive Diseases Center. Boston, MA (*Virtual*)
141. ***Oregon Health and Science University**. 3/15/21. Mol. Micro. and Immuno. Postdocs (*Virtual*)
141. **Medical Col of Wisconsin**. 5/11/21. Sidney E. Grossberg Lectureship. Milwaukee, WI. (*Virtual*)
142. **Broad Institute**. 10/1/21. Infectious Diseases and Microbiome Program. Boston, MA (*Virtual*)
143. ***University of Pittsburgh**. 10/27/21. Nakada Lecture. Pittsburgh, PA (*Virtual*)
144. **Emory University**. 11/15/21. MMG Distinguished Scientist Seminar. Atlanta, GA (*Virtual*)
145. **Brown University**. 12/9/21. Molecular Microbiology and Immunology. Providence, RI (*Virtual*)
146. **Arizona State University**. 1/26/22. Biodesign CIVVoholics Seminar. Tempe, AZ (*Virtual*)
147. ***UNC-Chapel Hill**. 2/24/22. Bassford Lecture, M&I students. Chapel Hill, NC. (*Virtual*)
148. ***Duke University**. 3/10/22. MGM/G&G students/postdocs. Durham, NC. (*Virtual*)
149. **UC Irvine**. 4/22/22. Center for Virus Research. Irvine, CA. (*Virtual*)
150. **Washington Univ** Brennecke Symposium in Honor of Charlie Rice. 5/12/22. St. Louis, MO.
151. **EMBL Innate Immunity Conf**. 7/20/22. Heidelberg, Germany.
152. **U Pittsburgh** Vira Heinz/Dermody Symposium. 8/5/22. Pittsburgh, PA.
153. **Gordon Conference on Viruses and Cells**. 5/2023. Barcelona, Spain.
154. **Rainin Foundation Innovations Symposium**. 7/2023. San Francisco, CA.
155. ***Max Planck-U Munster** Interdisciplinary Graduate School Mtg. 10/25/23. Munster, Germany. (*Virtual*)
156. ***Emory** Micro/Immuno Postdoctoral Symposium Keynote Speaker. 10/27/23. Atlanta, GA (*Virtual*)
157. **University of Florida** Microbiology and Cell Science. 2/5/24. Gainesville, FL.
158. **University of California Davis**. Microbial Pathogenesis Symposium. 8/25/25. Davis, CA.

***Blue font= Trainee-invited speaker**

PUBLICATIONS

1. **Pfeiffer, J.K.**, Topping, R.S., Shin, N.-H., and A. Telesnitsky. 1999. Altering the intracellular environment increases the frequency of tandem repeat deletion during Moloney murine leukemia virus reverse transcription. ***Journal of Virology***. 73:8441-8447.
2. Shin, N.-H., Hartigan-O'Connor, D., **Pfeiffer, J.K.**, and A. Telesnitsky. 1999. Replication of lengthened Moloney murine leukemia virus genomes is impaired at multiple stages. ***Journal of Virology***. 74:2694-2702
3. **Pfeiffer, J.K.**, M. M. Georgiadis, and A. Telesnitsky. 2000. Structure-based Moloney murine leukemia virus reverse transcriptase mutants with altered intracellular direct repeat deletion frequencies. ***Journal of Virology***. 74:9629-9636.
4. **Pfeiffer, J.K.** and A. Telesnitsky. 2001. Effects of limiting homology at the site of intermolecular recombinogenic template switching during Moloney murine leukemia virus replication. ***Journal of Virology***. 75:11263-11274.
5. Brincat, J.L., **Pfeiffer, J.K.**, and A. Telesnitsky. 2002. Ribonuclease H activity is required for high frequency repeat deletion during Moloney murine leukemia virus replication. ***Journal of Virology***. 76: 88-95.
6. **Pfeiffer, J.K.** and K. Kirkegaard. 2003. A single mutation in poliovirus RNA-dependent RNA polymerase confers resistance to mutagenic nucleotide analogs via increased fidelity. ***PNAS***. 100(12):7289-94.
7. **Pfeiffer, J.K.** and K. Kirkegaard. 2005. Ribavirin resistance in hepatitis C virus replicon-containing cell lines conferred by changes in the cell line or mutations in the replicon RNA. ***Journal of Virology***. 79(4):2346-55.
8. **Pfeiffer J.K.**, and K. Kirkegaard. 2005. Increased Fidelity Reduces Poliovirus Fitness and Virulence under Selective Pressure in Mice. ***PLoS Pathogens*** 1(2): e11

9. **Pfeiffer, J.K.** and K. Kirkegaard. 2006. Bottleneck-mediated quasispecies restriction during spread of an RNA virus from inoculation site to brain. *PNAS*. 103(14):5520-25.
10. Kuss, S.K., Etheredge, C.A., and **Pfeiffer, J.K.** 2008. Multiple Host Barriers Restrict Poliovirus Trafficking in Mice. *PLoS Pathogens*. 4(6):e1000082.
11. Ibarra, K.D. and **Pfeiffer, J.K.** 2009. Reduced ribavirin antiviral efficacy via nucleoside transporter-mediated drug resistance. *Journal of Virology*. 83(9):4538-47.
12. Lancaster, K.Z. and **Pfeiffer, J.K.** 2010. Limited Trafficking of a Neurotropic Virus Through Inefficient Retrograde Axonal Transport and the Type I Interferon Response. *PLoS Pathogens*. 6(3):e1000791.
13. Feld JJ, Lutchman GA, Heller T, Hara K, **Pfeiffer JK**, Leff RD, Meek C, Rivera M, Ko M, Koh C, Rotman Y, Ghany MG, Haynes-Williams V, Neumann AU, Liang TJ, Hoofnagle JH. 2010. Ribavirin improves early responses to peginterferon through enhanced interferon signaling. *Gastroenterology*. 139(1):154-62.e4.
14. **Pfeiffer, J.K.** 2010. Innate host barriers to viral spread and quasispecies diversity: Lessons learned from poliovirus. *Advances in Virus Research*. 77:85-118. Review.
15. Ibarra, K.D., Jain, M.K., and **Pfeiffer, J.K.** 2011. Host-based ribavirin resistance influences hepatitis C virus treatment response. *Journal of Virology*. 85(14):7273-83.
16. **Pfeiffer JK** and Sonnenburg JL. 2011. The intestinal microbiota and viral susceptibility. *Frontiers in Microbiology*. 2:92. doi: 10.3389/fmicb.2011.00092. Perspective.
17. Lancaster, K.Z. and **Pfeiffer, J.K.** 2011. Mechanisms controlling virulence thresholds of mixed viral populations. *Journal of Virology*. 85(19):9778-88.
18. Kuss, S.K., Etheredge, C.A., Best, G.T., Pruijssers, A.J., Frierson, J.M., Hooper, L.V., Dermody, T.S., **Pfeiffer, J.K.** 2011. Intestinal microbiota promote enteric virus replication and systemic pathogenesis. *Science*. 334(6053):249-252.
19. Luethy, L.N., **Pfeiffer, J.K.** 2012. Viral infection brings mitochondrial traffic to a standstill. *Cell Host & Microbe*. 11(5):420-421. Preview.
20. Lancaster, K.Z., **Pfeiffer, J.K.** 2012. Viral Population Dynamics and Virulence Thresholds. *Current Opinion in Microbiology*. 15(4):525-30. Review.
21. Erickson, A.K., **Pfeiffer, J.K.** 2013. Dynamic viral dissemination in mice infected with yellow fever virus 17D. *Journal of Virology*. 87(22):12392-7.
22. Robinson, C.M., Jesudhasan, P.R., **Pfeiffer, J.K.** 2014. Bacterial lipopolysaccharide binding enhances virion stability and promotes environmental fitness of an enteric virus. *Cell Host & Microbe*. 15(1):36-46.
23. Robinson, C.M., **Pfeiffer, J.K.** 2014. Viruses and the microbiota. *Annual Review of Virology*. 1:55-69. Review.
24. Robinson, C.M., **Pfeiffer, J.K.** 2014. Leaping the norovirus hurdle. *Science*. 346(6210):700-1. Perspective article.
25. Wang, Y., **Pfeiffer, J.K.** 2014. Microbiology: A backup for bacteria. *Nature*. 516(7529): 42-3. News and Views article.

26. **Pfeiffer, J.K.** 2015. Is the Debate and “Pause” on Experiments That Alter Pathogens with Pandemic Potential Influencing Future Plans of Graduate Students and Postdoctoral Fellows? *mBio*. 6(1):e02525-14. Letter to the Editor.
27. Erickson, A.K., **Pfeiffer, J.K.** 2015. Spectrum of disease outcomes in mice infected with YFV-17D. *Journal of General Virology*. 96(Pt 6):1328-39.
28. Luethy, L.N., Erickson, A.K., Jesudhasan, P.R., Ikizler, M., Dermody, T.S., and **Pfeiffer, J.K.** 2015. Comparison of three neurotropic viruses reveals differences in viral dissemination to the central nervous system. *Virology*. 487:1-10.
29. Dermody, T.S. and **Pfeiffer, J.K.** 2015. Genetics in Virology Research. *Annual Review of Virology*. Volume 2. 16:33. Editorial.
30. **Pfeiffer, J.K.** and Virgin, H.W. 2016. Transkingdom control of viral infection and immunity in the mammalian intestine. *Science* 351, aad5872. Invited Review.
31. **Pfeiffer, J.K.** 2016. Host response: Microbiota prime antiviral response. *Nature Microbiology*. Volume 1. 15029. News and Views.
32. Wang, Y. and **Pfeiffer, J.K.** 2016. Emergence of a large-plaque variant in mice infected with coxsackievirus B3. *mBio*. 7(2): e00119-16.
33. Robinson, C.M., Wang, Y., and **Pfeiffer, J.K.** 2017. Sex-dependent intestinal replication of an enteric virus. *Journal of Virology*. 91(7): e02101-16.
34. Aguilera, E.R., Erickson, A.K., Jesudhasan, P.R., Robinson, C.M., **Pfeiffer, J.K.** 2017. Plaques formed by mutagenized viral populations have elevated co-infection frequencies. *mBio*. 8(2): e02020-16
35. **Pfeiffer, J.K.** 2017. The importance of model systems: Why we study a virus on the brink of global eradication. *PLoS Pathog*. 2017. 13(4):e1006330. Research Matters Article.
36. Erickson, A.K., Jesudhasan, P.R., Mayer, M.J., Narbad, A., Winter, S.E., **Pfeiffer, J.K.** 2018. Bacteria facilitate enteric virus co-infection of mammalian cells and promote genetic recombination. *Cell Host & Microbe*. 23(1): 77-88.
37. Nguyen, Y., Jesudhasan, P.R., Aguilera, E.R., and **Pfeiffer, J.K.** 2019. Identification and Characterization of a Poliovirus Capsid Mutant with Enhanced Thermal Stability. *Journal of Virology*. 93(6): e01510-18.
38. Woods Acevedo, M.A., Erickson, Andrea K., and **Pfeiffer, J.K.** 2019. The Antibiotic Neomycin Enhances Coxsackievirus Plaque Formation. *mSphere*. 4(1): e00632-18.
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