

**CURRICULUM VITAE
CHRISTINA L. STALLINGS**

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Education

1999-2005 **Ph.D. with Distinction**, Cellular, Molecular and Biophysical Studies,
Columbia University College of Physicians and Surgeons, New York, NY
1995-1999 **Bachelor of Science with Honors**, Biology, Mary Washington College,
Fredericksburg, VA
1995-1999 **Teaching License in Secondary Education**, Mary Washington College,
Fredericksburg, VA

Current Position

2010-Present **Assistant Professor of Molecular Microbiology**
Department of Molecular Microbiology
Washington University School of Medicine, St. Louis, MO

Previous Research Positions

2006-2010 **Postdoctoral Research**, Sloan-Kettering Institute, NY, NY.
Investigating the regulation of transcription during *Mycobacterium*
tuberculosis pathogenesis
2000-2005 **Doctoral Thesis**, Columbia University College of Physicians and
Surgeons, New York, NY. Characterization of the Varicella Zoster Virus
ORF29p Subcellular Targeting Mechanisms During Lytic and Latent
Infection
1998-1999 **Undergraduate Thesis**, Mary Washington College, Fredericksburg, VA.
Expression of the p53 Protein and its Correlation with the p21 Gene in
DNA Damaged ME180 Cells
1998 **Research Intern**, Medical Sciences Research Institute, Herndon, VA.
Investigated problems associated with immunologic response and
infection due to biomaterial implants

Teaching Responsibilities

2015 **Lecturer**, Bio5011, Responsible Conduct in Research Course, 6
lectures/yr
2014-Present **Lecturer**, Microbes and Pathogenesis 1st year Medical School Course,
1 lecture/yr
2012-Present **Lecturer**, Bio5392, Graduate Microbiology Course, 3 lectures/yr

2010-Present **Lecturer**, Bio5217, Special Topics in Microbiology and Microbial Pathogenesis, 1 lecture/yr

Professional Affiliations

2010-Present **American Society for Microbiology Member**, Officer/Chair of Mycobacteriology Division

2011-Present **Institute of Clinical and Translational Science Member**

Professional Service

2016-2019 **Editor** of mBIO Journal by ASM

2016 **Session Chair** for Keystone Symposia on “Cell Biology and Immunology of Persistent Infection”

2015-2018 **Editor** of *mSphere* Journal by ASM

2015-2017 **Elected Officer and Chair** of the Mycobacteriology Division U of the American Society for Microbiology

2014-2016 **Invited Editor** for mBIO Journal

2014 **Session Chair** for Keystone Symposia on “Novel Therapeutic Approaches to Tuberculosis”

University Service

2012-2014, 2016 **Molecular Microbiology Faculty Search Committee**

2016-Present **Steering Committee Member** for the Biochemistry and Computational and Molecular Biophysics Graduate Programs

2016-Present **Internal Advisory Board Member** for the Center for Drug Discovery at Washington University in Saint Louis

2014-Present **Recruiting Director** for the Molecular Microbiology and Microbial Pathogenesis (MMMP) graduate program

2014-Present **Steering Committee Member** for the MMMP graduate program

2011-Present **MMMP QE Committee, Chair** 2015, 2016

2016 **Mock Study Section Participant** for the Office of Training Grants and the Clinical Research Training Center, Washington University in St. Louis

2016 **PMB QE committee**

2015 **X-ray Irradiator Project Committee Member**, Washington University

2015 **Junior Investigator Panel Participant** for DBBS review

2015 **Junior Investigator Panel Participant** for LCME Site Visit

2015 **Junior Investigator Panel Participant** at NIH CMB Training Grant site visit

2015 **Host** for St. Louis Children’s Hospital’s Youth Council lab tour

2014 **Presenter** at the Children’s Discovery Institute Annual Investors Symposium

2014 **Presenter** at the NIH NIGMS Mass Spectrometry Resource Renewal Site Visit

2014 **Junior Investigator Panel participant** for NIH MSTP Program Review site visit

2013-2015 **Member of the Liaison Committee on Medical Education Self-Study Task Force** for Washington University School of Medicine

2013-2015 **MMMP Retreat Faculty Coordinator**

2011-2014	MMMP Graduate Admissions Committee
2013	Biophysics QE Committee
2012	MGG QE Committee
2011-2015	Young Scientist Program Sponsor

Professional Service- Ad Hoc Reviewer for the Following Journals

Nucleic Acids Research, Journal of Clinical Microbiology, European Journal of Immunology, Applied and Environmental Microbiology, Trends in Molecular Medicine, Molecular Systems Biology, Journal of Bacteriology, Molecular Microbiology, Current Pharmaceutical Biotechnology, PNAS, Future Medicine, Future Microbiology, Environmental Microbiology, mBio, Journal of Biological Chemistry, PLOS Pathogens, Nature Communications, Scientific Reports, Nature, Cell Host and Microbe

Professional Service- Other Reviewer Responsibilities

2016	Reviewer for Beckman Foundation postdoctoral researcher grants
2016	Reviewer for NIH R01, International Research in Infectious Diseases, RFA PAR-14-080
2016	Reviewer for NIH P01, Special Emphasis Panel
2015	Reviewer for NIH R15 AREA awards
2015	Reviewer for NIH R21 and R01, Basic Research in HIV-Related Heart, Lung and Blood Diseases, RFA-HL-14-029 and RFA-HL-14-024
2015	Reviewer for The German Israeli Foundation for Scientific Research and Development research proposals
2014	Reviewer for NIH R21 and R01, US-South Africa Program for Collaborative Biomedical Research, RFA-AI-14-009 and RFA-AI-14-010
2014	Reviewer for NIH U01 and U19 ICIDR grants, RFA-AI-14-001 and RFA-AI-14-002
2014	Reviewer for NIH R01/R21 special emphasis panel on infectious disease
2014	Reviewer for Graduate Women in Science Fellowships

University Service- Other Reviewer Responsibilities

2015-Present	Reviewer and Mentor for the Washington University New Investigator Awards Committee
2014-Present	Reviewer for ICTS Pilot Awards
2012-2013	Reviewer for URSA proposals
2012-2013	Reviewer for Spector Award
2011-2013	Reviewer for MRCE Developmental Projects
2011-2013	Reviewer for SURF proposals
2013-Present	Poster Judge for Global Health and Infectious Disease Conference
2011-2015	Poster Judge for Postdoctoral Research Symposium

Honors and Awards

2016	Invited Presenter for the Washington University Board of Trustees
2015	Invited to participate in the inaugural ICTS Research Forum
2015	Nominated and Elected Division Officer and Chair of the Mycobacteriology Division U of the American Society for Microbiology
2013	Arnold and Mabel Beckman Foundation Young Investigator Award Recipient

2012	Washington University Nominee for the Pew Biomedical Scholars
2011-2013	American Lung Association Biomedical Research Grant recipient, Designated as TB Scholar
2007-2010	NIH Ruth L. Kirschstein National Research Service Award, Individual Postdoctoral Fellowship
2010	MSKCC Postdoctoral Researcher Award
2010	New York Academy of Sciences Blavatnik Award nominee
2009	Sloan-Kettering Institute and Cornell University Immunology Department Achievement Award
2009	Keystone Symposia Travel Scholarship for Tuberculosis: Biology, Pathology and Therapy meeting
2008	1st Place Poster Prize, MSKCC Postdoctoral Research Symposium
2003	International Herpesvirus Workshop Travel Honorarium
1998-1999	National Science Foundation Scholarship
1995-1999	Mary Washington College Alumni Scholarship
1999	Magna Cum Laude Graduate
1998	Member of Phi Beta Kappa, Golden Key National Honor Society
1998-1999	Member and Officer of Chi Beta Phi, National Science and Math Honor Society
1998-1999	Member and Officer of Alpha Phi Sigma, National Honor Society
1998-1999	Member of Kappa Delta Pi, International Education Honor Society

Peer Reviewed Publications

1. Kimmey, J.M. and Stallings, C.L.. 2016. Bacterial pathogens versus autophagy: Implications for therapeutic intervention. *Trends in Molecular Medicine*. *In Press*.
2. Mann, K.M., Pride, A., Flentie, K., Kimmey, J.M., Weiss, L.A., Stallings, C.L.. 2016. Analysis of the contribution of MTP and the predicted Flp pilus genes to *Mycobacterium tuberculosis* pathogenesis. *Microbiology*. *In Press*. PMID: 27586540.
3. Rammohan, J., Ruiz-Manzano, A., Prusa, J., Garner, A.L., Stallings, C.L., and Galburt, E.A.. 2016. Cooperative stabilization of *Mycobacterium tuberculosis* *rrnAP3* promoter open complexes by RbpA and CarD. *Nucleic Acids Res*. *In Press*. PMID: 27342278.
4. Flentie, K., Garner, A.G., and Stallings, C.L.. 2016. The *Mycobacterium tuberculosis* transcription machinery: ready to respond to host attacks. *JBac*.198(9):1360-73. PMID: PMC4836228.
5. Kimmey, J.M., Huynh, J.P., Weiss, L.A., Park, S., Kambal, A., Debnath, J., Virgin, H.W., and Stallings, C.L.. 2015. Unique role for ATG5 in neutrophil-mediated immunopathology during *M. tuberculosis* infection. *Nature*. 528(7583):565-9. PMID: PMC4842313.
Commentaries in:
Behar, S.M. and Baehrecke, E.H.. 2015. *Nature*. 528(7583):482-3.
Shaffer, L.. 2016. *Nature Medicine*. 22:334-335.
6. Flentie, K.N., Stallings, C.L., Turk, J., Minnaard, A.J., Hsu, F.F.. 2016. Characterization of phthiocerol and phthiodiolone dimycocerosate esters of *M. tuberculosis* by multiple-stage linear ion-trap MS. *J Lipid Res*. 57(1):142-55. PMID: PMC4689332.

7. Watson, R.O., Bell, S.L., MacDuff, D.A., Kimmey, J.M., Diner, E.J., Olivas, J., Vance, R.E., Stallings, C.L., Virgin, H.W., and Cox, J.S.. 2015. cGAS detects *Mycobacterium tuberculosis* DNA to activate both type I interferon and autophagy. *Cell Host & Microbe*. 17(6):811-9. PMID: PMC4466081.
8. Rammohan, J., Ruiz-Manzano, A., Garner, A.L., Stallings, C.L., and Galburt, E.A.. 2015. CarD stabilizes mycobacterial open complexes via a two-tiered kinetic mechanism. *Nucleic Acids Res*. 43(6):3272-85. PMID: PMC4381055.
Selected as a Breakthrough Article
9. MacDuff, D.A., Reese, T.A., Kimmey, J.M., Weiss, L.A., Song, C., Zhang, X., Kambal, A., Duan, E., Carrero, J.A., Boisson, B., Laplantine, E., Israel, A., Picard, C., Colonna, M., Edelson, B.T., Sibley, L.D., Stallings, C.L., Casanova, J.L., Iwai, K., and Virgin, H.W.. 2015. Phenotypic complementation of genetic immunodeficiency by chronic herpesvirus infection. *Elife*. 4:e04494. PMID: PMC4298697.
10. Imlay, L.S., Armstrong, C.M., Masters, M.C., Lic, T., Price, K.E., Edwards, R.L., Mann, K.M., Li, L.X., Stallings, C.L., Berry, N.G., O'Neill, P.M., and Odom, A.R.. 2015. Plasmodium IspD (2-C-methyl-D-erythritol 4-phosphate cytidyltransferase), an essential and druggable antimalarial target. *ACS Infectious Diseases*. 1(4):157-167.
11. Landick, R., Krek, A., Glickman, M.S., Socci, N.D., and Stallings, C.L.. 2014. Genome-Wide Mapping of the Distribution of CarD, RNAP σ^A , and RNAP β on the *Mycobacterium smegmatis* Chromosome using Chromatin Immunoprecipitation Sequencing. *Genomics Data*. 2:110-113. PMID: PMC4115788.
12. Garner, A.L., Weiss, L.A., Ruiz Manzano, A., Galburt, E.A., and Stallings, C.L.. 2014. CarD integrates three functional modules to promote efficient transcription, antibiotic tolerance, and pathogenesis in mycobacteria. *Molecular Microbiology*. 93(4):682-97. PMID: PMC4127138.
13. Gopal, R., Monin, L., Slight, S., Uche, U., Blanchard, E., Fallert Junecko, B.A., Stallings, C.L., Reinhart, T.A., Kolls, J., Nagarajan, U., Rangel-Moreno, J., and Khader, S.A.. 2014. IL-17 is required for protection against *Mycobacterium tuberculosis* "hypervirulent" HN878 infection. *PLOS Pathogens*. 10(5):e1004099. PMID: PMC4022785.
14. Weiss, L.A. and Stallings, C.L.. 2013. Essential Roles for *Mycobacterium tuberculosis* Rel_{Mtb} beyond the production of (p)ppGpp. *JBac*. 195(24):5629-5638. PMID: PMC3889611.
15. Srivastava, D. B., Leon, K, Osmundson, J, Garner, A., Weiss, L. A., Westblade, L., Glickman, M. S., Landick, R., Darst, S. A., and *Stallings, C. L., and *Campbell, E.A.. 2013. Structure and function of CarD, an essential Mycobacterial transcription factor. *PNAS*. 110(31):12619-24. PMID: PMC3732983. (*Co-corresponding authors).

16. Tussiwand, R., Lee, W., Murphy, Y.L., Mashayekhi, M., Albring, J.C., Satpathy, A.T., Wumesh KC, Rotondo, J.A., Edelson, B.T., Kretzer, N.M., Wu, X., Behnke, M., Weiss, L.A., Lam, S.S.K., Aurthur, C.T., Stallings, C.L., Sibley, L.D., Schreiber, R.D., and Murphy, K.M.. 2012. Compensatory dendritic cell development mediated by BATF-IRF interactions. *Nature*. 490(7421):502-7. PMID: PMC3482832.
17. Weiss, L.A., Harrison, P.G., Nickels, B.E., Glickman, M.S., Campbell, E.A., Darst, S.A., and Stallings, C.L. 2012. The interaction of CarD with RNAP mediates *Mycobacterium tuberculosis* viability, rifampicin resistance, and persistence. *JBac*. 194(20):5621-31. PMID: PMC3458692.
Selected for the Journal Highlights Section of *Microbe*
18. Stallings, C.L., Chu, L., Li, L.X., and Glickman, M.S.. 2011. Catalytic and non-catalytic roles for the mono-ADP-ribosyltransferase Arr in the mycobacterial DNA damage response. *PLoS One*. 6(7):e21807. PMID: PMC3138739.
19. *Stallings, C.L. and Glickman, M.S. 2011. CarD: A new RNA polymerase modulator in mycobacteria. *Transcription*. 2(1):15-18. PMID: PMC3023641. (*Corresponding Author)
20. Barkan, D., Stallings, C.L., and Glickman, M.S. 2011. An improved counterselectable marker system for mycobacterial recombination using *galK* and 2-Deoxy-Galactose. *Gene*. 470(1-2):31-6. PMID: PMC3008429.
21. Stallings, C.L. and Glickman, M.S. 2010. Is *Mycobacterium tuberculosis* stressed out? A critical assessment of the genetic evidence. *Microbes and Infection*. 12(14-15):1091-101. PMID: PMC3587153.
22. Stallings, C.L., Stephanou, N.C., Chu, L., Hochschild, A., Nickels, B.E., and Glickman, M.S.. 2009. CarD is an essential regulator of rRNA transcription required for *Mycobacterium tuberculosis* persistence. *Cell*. 138(1):146-59. PMID: PMC2756155.
Comments in:
Connolly, L.E. and Cox, J.S.. 2009. *Cell Host Microbe*. 6(1):1-2.
Molloy, S.. 2009. *Nature Reviews Microbiology*. 7:618.
23. Stallings, C.L. and Silverstein, S.J.. 2006. Posttranslational modification and cell-type specific degradation of varicella-zoster virus ORF29p. *J Virol*. 80:10836-46. PMID: PMC1641786.
24. Stallings, C.L., Duigou, G.J., Gershon, A.A., Gershon, M.D., and Silverstein, S.J.. 2006. The cellular localization pattern of varicella-zoster virus ORF29p is influenced by proteasome-mediated degradation. *J Virol*. 80:1497-1512. PMID: PMC1346923.
25. Stallings, C.L. and Silverstein, S.J.. 2005. Dissection of a novel nuclear localization signal in open reading frame 29 of varicella-zoster virus. *J Virol*. 79:13070-81. PMID: PMC1235848.

Book Chapters

1. Walters, M.S., Kyratsous, C.A., Stallings, C.L., Lungu, O. and Silverstein, S.J.. 2010. "What Doesn't Belong and Why; a Saga of Latency Associated Proteins Elaborated by Varicella Zoster Virus" In: *From the Hallowed Halls of Herpesvirology: Review Series Commemorating the 80th Birthday of Bernard Roizman, Sc.D.*, J.A. Blaho and J.D. Baines editors, World Scientific Publishing company, Hackensack, NJ, USA.