

CURRICULUM VITAE

WELKIN H. POPE

PERSONAL

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412-728-5476

EDUCATION

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Bachelor of Science, Biology, 2000  
1996 -2000  
Massachusetts Institute of Technology Cambridge, MA

Doctor of Philosophy, Biological Oceanography, 2005  
2000 - 2005 Massachusetts Institute of Technology Cambridge, MA  
Woods Hole Oceanographic Institution Woods Hole, MA

Graduate Advisor: Prof. Jonathan King  
Thesis title:  
“Genes and Structural Proteins of the Phage Syn5 of the Marine Cyanobacteria *Synechococcus*”

PROFESSIONAL EXPERIENCE

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Post-doctoral Research Associate, University of Pittsburgh Pittsburgh, PA  
Advisor: Prof. Roger Hendrix 2005-2009

Research Associate, University of Pittsburgh Pittsburgh, PA  
Advisors: Profs. Roger Hendrix and Graham Hatfull 2009-2012

Science Coordinator, HHMI Science Education Alliance (SEA), 2009- present

Research Assistant Professor, University of Pittsburgh, 2012-present Pittsburgh, PA

EDUCATIONAL EXPERIENCE

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Undergraduate Teaching Assistant, Introduction to Biology Lab (7.02), MIT, 1999 Cambridge, MA

Graduate Teaching Assistant, Introduction to Biology Lab (7.02), MIT, 2004 Cambridge, MA

Member, Walker HHMI Education Group, MIT, 2004-2005 Cambridge, MA

Instructor, Foundations of Biology II, U. of Pittsburgh, 2006 -08	Pittsburgh, PA
Advisor, Hatfull HHMI Undergraduate Phagehunters Group, 2007-present	Pittsburgh, PA
Instructor, Advanced Genomics Laboratory, U. of Pittsburgh, 2012	Pittsburgh, PA
Lead Instructor and Coordinator, HHMI SEA-PHAGES Labs, U. of Pitt, 2012-16	Pittsburgh, PA
Instructor, Computational Biology, U. of Pittsburgh, 2016-17	Pittsburgh, PA

#### INVITED SEMINARS

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Comparative Genomics of Mycobacteriophages, Slippery Rock University, September 2010

Insights into Phage Biology through Comparative Genomics, Bucknell University, September 2011

Cluster J Mycobacteriophages: Introns in Phage Structural Genes, Keynote speaker at Del Mar College, Student Research Day, April 2013

Cluster J Mycobacteriophages: Introns in Phage Structural Genes, James Madison University, September 2013

Scaling up a CURE: HHMI SEA-PHAGES, CURENet Conference, Cold Spring Harbor, March 2014

The amazing genetic diversity of bacteriophages of *Mycobacterium smegmatis* mc<sup>2</sup>155, Viruses of Microbes III, EMBO, Zurich, Switzerland, July 2014

Insights into bacteriophage ecology and evolution through comparative genomics of Mycobacteriophages, Brigham Young University, October 2015

SEA-PHAGES: a robust iCRE for engaging in authentic research with freshmen undergraduates, Plant and Animal Genomics Conference, San Diego, CA, 2016

A continuum of diversity: Insights into bacteriophage biology and evolution through comparative genomics of Actinobacteriophages, Keynote Speaker, Virginia Phage Phest. College of William and Mary, April 2016.

Viruses of bacteria: the microbial majority. 2<sup>nd</sup> Annual Women in Science Series, Wellfleet Public Library, Wellfleet MA. March 2017.

The “Gordonian” Knot of Gordonia Phage Genomics. Keynote speaker at the Inaugural Philadelphia Phage Phest. Drexel University. October 2017.

A Brief History of Phage. Keynote speaker at the 4<sup>th</sup> Annual Florida SEA-PHAGES Symposium. Florida International University. April 2018.

Insights into Phage Diversity and Evolution through Comparative Genomics of Actinobacteriophages, FASEB Phage-Virus Assembly Meeting, Steamboat Springs, CO, July 2018

#### INVITED WORKSHOPS

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SEA-PHAGES Faculty Bioinformatics Workshop, Co-Lead Instructor, 2010-present

SEA-PHAGES Faculty Advanced Bioinformatics Workshop, Co-Lead Instructor, 2010-present

SEA-PHAGES Faculty Genome Announcement Workshop, Co-Lead Instructor, 2017-present

SEA-PHAGES Faculty Phage Discovery Workshop, Electron Microscopy Instructor, 2011

## FELLOWSHIPS/AWARDS

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Clare Booth Luce Fellowship, 2000-2001

WHOI Education Fellowship, 2001-2002

University of Pittsburgh dB-SERC Course Transformation Award, 2015

University of Pittsburgh dB-SERC Emerging Leader, 2018-2019

## PROFESSIONAL ACTIVITIES

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Member, American Society for Microbiology, 2001 – present

Reviewer, PLoS Genetics, 2011-present

Associate Member, Faculty of 1000, 2012- present

Reviewer, PLoS One, 2014-present

Reviewer, FEMS Microbiology Letters, 2014-present

Reviewer, Virology, 2015-present

Reviewer, PeerJ, 2015-present

Reviewer, Viruses, 2016 -present

Reviewer, Journal of General Virology, 2016-present

Reviewer, CBE Life Sciences Education, 2016-present

Reviewer, Virology Journal, 2016-present

Reviewer, BMC Genomics, 2016-present

Faculty member, University of Pittsburgh CIRTL, 2015-present

Faculty member, University of Pittsburgh dB-SERC, 2015-present

## JOURNAL PUBLICATIONS – PEER REVIEWED

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Pope WH, Haase-Pettingell C, King J

Protein folding failure sets high-temperature limit on growth of phage P22 in *Salmonella enterica* serovar typhimurium

APPLIED AND ENVIRONMENTAL MICROBIOLOGY 70 (8): 4840-4847 AUG 2004

Pope WH, Weigele PR, Chang J, Pedulla ML, Ford ME, Houtz JM, Jiang W, Chiu W, Hatfull GF, Hendrix RW, King J

Genome sequence, structural proteins, and capsid organization of cyanophage Syn5: A “horned” bacteriophage of marine *Synechococcus* (Cover article)

JOURNAL OF MOLECULAR BIOLOGY 386(4): 966-981 MAY 11, 2007

Weigele PR\*, Pope WH\*, Pedulla ML, Houtz JM, Smith AL, Conway JF, King J, Hatfull GF, Lawrence JG, and Hendrix RW

Genomic and structural analysis of Syn9, a cyanophage infecting marine *Prochlorococcus* and *Synechococcus* (Cover article)

Hatfull GF, Jacobs-Sera D, Lawrence JG, Pope WH, Russell DA, Ko CC, Weber RJ, Patel MC, Germane KL, Edgar RH, Hoyte NN, Bowman CA, Tantoco AT, Paladin EC, Myers MS, Smith AL, Grace MS, Pham TT, O'Brien MB, Vogelsberger AM, Hryckowian AJ, Wynalek JL, Donis-Keller H, Bogel MW, Peebles CL, Cresawn SG, Hendrix RW.

Comparative genomic analysis of 60 Mycobacteriophage genomes: genome clustering, gene acquisition, and gene size.

JOURNAL OF MOLECULAR BIOLOGY 397(1):119-43 MARCH 19, 2010

Pope WH, Jacobs-Sera D, Russell DA, Peebles CL, Al-Atrache Z, Alcoser TA, Alexander LM, Alfano MB, Alford ST, Amy NE, Anderson MD, Anderson AG, Ang AA, Ares M Jr, Barber AJ, Barker LP, Barrett JM, Barshop WD, Bauerle CM, Bayles IM, Belfield KL, Best AA, Borjon A Jr, Bowman CA, Boyer CA, Bradley KW, Bradley VA, Broadway LN, Budwal K, Busby KN, Campbell IW, Campbell AM, Carey A, Caruso SM, Chew RD, Cockburn CL, Cohen LB, Corajod JM, Cresawn SG, Davis KR, Deng L, Denver DR, Dixon BR, Ekram S, Elgin SC, Engelsens AE, English BE, Erb ML, Estrada C, Filliger LZ, Findley AM, Forbes L, Forsyth MH, Fox TM, Fritz MJ, Garcia R, George ZD, Georges AE, Gissendanner CR, Goff S, Goldstein R, Gordon KC, Green RD, Guerra SL, Guiney-Olsen KR, Guiza BG, Haghighat L, Hagopian GV, Harmon CJ, Harmson JS, Hartzog GA, Harvey SE, He S, He KJ, Healy KE, Higinbotham ER, Hildebrandt EN, Ho JH, Hogan GM, Hohenstein VG, Holz NA, Huang VJ, Hufford EL, Hynes PM, Jackson AS, Jansen EC, Jarvik J, Jasinto PG, Jordan TC, Kasza T, Katelyn MA, Kelsey JS, Kerrigan LA, Khaw D, Kim J, Knutter JZ, Ko CC, Larkin GV, Laroche JR, Latif A, Leuba KD, Leuba SI, Lewis LO, Loesser-Casey KE, Long CA, Lopez AJ, Lowery N, Lu TQ, Mac V, Masters IR, McCloud JJ, McDonough MJ, Medenbach AJ, Menon A, Miller R, Morgan BK, Ng PC, Nguyen E, Nguyen KT, Nguyen ET, Nicholson KM, Parnell LA, Peirce CE, Perz AM, Peterson LJ, Pferdehirt RE, Philip SV, Pogliano K, Pogliano J, Polley T, Puopolo EJ, Rabinowitz HS, Resiss MJ, Rhyan CN, Robinson YM, Rodriguez LL, Rose AC, Rubin JD, Ruby JA, Saha MS, Sandoz JW, Savitskaya J, Schipper DJ, Schnitzler CE, Schott AR, Segal JB, Shaffer CD, Sheldon KE, Shepard EM, Shepardson JW, Shroff MK, Simmons JM, Simms EF, Simpson BM, Sinclair KM, Sjöholm RL, Slette IJ, Spaulding BC, Straub CL, Stukej J, Sughrue T, Tang TY, Tatyana LM, Taylor SB, Taylor BJ, Temple LM, Thompson JV, Tokarz MP, Trapani SE, Troum AP, Tsay J, Tubbs AT, Walton JM, Wang DH, Wang H, Warner JR, Weisser EG, Wendler SC, Weston-Hafer KA, Whelan HM, Williamson KE, Willis AN, Wirtshafter HS, Wong TW, Wu P, Yang Y, Yee BC, Zaidins DA, Zhang B, Zúñiga MY, Hendrix RW, Hatfull GF.

Expanding the diversity of mycobacteriophages: insights into genome architecture and evolution.

PLoS ONE. 6(1):e16329. JANUARY 27, 2011

\* Recognized as one of the top 10% most cited papers in PLoS ONE

Pope WH, Ferreira CM, Jacobs-Sera D, Benjamin RC, Davis AJ, DeJong RJ, Elgin SC, Guilfoile FR, Forsyth MH, Harris AD, Harvey SE, Hughes LE, Hynes PM, Jackson AS, Jalal MD, MacMurray EA, Manley CM, McDonough MJ, Mosier JL, Osterbann LJ, Rabinowitz HS, Rhyan CN, Russell DA, Saha MS, Shaffer CD, Simon SE, Sims EF, Tovar IG, Weisser EG, Wertz JT, Weston-Hafer KA, Williamson KE, Zhang B, Cresawn SG, Jain P, Piuri M, Jacobs WR Jr, Hendrix RW, Hatfull GF.

Cluster K mycobacteriophages: insights into the evolutionary origins of mycobacteriophage TM4.

PLoS One. 2011;6(10):e26750. doi: 10.1371/journal.pone.0026750. Epub 2011 Oct 28.

PMID:22053209

Mageency C, Pope WH, Harrison M, Moran D, Cross T, Jacobs-Sera D, Hendrix RW, Dunbar D, Hatfull GF. Mycobacteriophage Marvin: a new singleton phage with an unusual genome organization.

JOURNAL OF VIROLOGY. 2012 May;86(9):4762-75. Epub 2012 Feb 22.

Jacobs-Sera D, Marinelli LJ, Bowman C, Broussard GW, Guerrero Bustamante C, Boyle MM, Petrova ZO, Dedrick RM, Pope WH; Science Education Alliance Phage Hunters Advancing Genomics And Evolutionary Science Sea-Phages Program, Modlin RL, Hendrix RW, Hatfull GF.

On the Nature of Mycobacteriophage diversity and host preference.

VIROLOGY. 2012 Dec 20;434(2):187-201.

Pope WH, Jacobs-Sera D, Best AA, Broussard GW, Connerly PL, Dedrick RM, Kremer TA, Offner S, Ogiefo AH, Pizzorno MC, Rockenbach K, Russell DA, Stowe EL, Stukej J, Thibault SA, Conway JF, Hendrix RW, Hatfull GF. Cluster J Mycobacteriophages: Intron Splicing in Capsid and Tail Genes.

PLoS ONE. 8(7):e69273. doi: 10.1371/journal.pone.0069273 (2013)

Pope WH, Anders KR, Baird M, Bowman CA, Boyle MM, Broussard GW, Chow T, Clase KL, Cooper S, Cornely KA, DeJong RJ, Delesalle VA, Deng L, Dunbar D, Edgington NP, Ferreira CM, Weston Hafer K, Hartzog GA, Hatherill JR, Hughes LE, Ipapo K, Krukoni GP, Meier CG, Monti DL, Olm MR, Page ST, Peebles CL, Rinehart

CA, Rubin MR, Russell DA, Sanders ER, Schoer M, Shaffer CD, Wherley J, Vazquez E, Yuan H, Zhang D, Cresawn SG, Jacobs-Sera D, Hendrix RW, Hatfull GF.

Cluster M mycobacteriophages Bongo, PegLeg, and Rey with unusually large repertoires of tRNA isotypes.

JOURNAL OF VIROLOGY. Vol Mar 88, Issue 5, Pages 2461-80, 2014.

Jordan TC, Burnett SH, Carson S, Caruso SM, Clase K, DeJong RJ, Dennehy JJ, Denver DR, Dunbar D, Elgin SC, Findley AM, Gissendanner CR, Golebiewska UP, Guild N, Hartzog GA, Grillo WH, Hollowell GP, Hughes LE, Johnson A, King RA, Lewis LO, Li W, Rosenzweig F, Rubin MR, Saha MS, Sandoz J, Shaffer CD, Taylor B, Temple L, Vazquez E, Ware VC, Barker LP, Bradley KW, Jacobs-Sera D, Pope WH, Russell DA, Cresawn SG, Lopatto D, Bailey CP, Hatfull GF.

A broadly implementable research course in phage discovery and genomics for first-year undergraduate students. MBIO. 2014 Feb 4;5(1):e01051-13. doi: 10.1128/mBio.01051-13.

Pope WH, Jacobs-Sera D, Russell DA, Rubin DH, Kajee A, Msibi ZN, Larsen MH, Jacobs WR Jr, Lawrence JG, Hendrix RW, Hatfull GF.

Genomics and proteomics of mycobacteriophage Patience, an accidental tourist in the mycobacterium neighborhood.

MBIO. Vol 5, Issue 6, Pages pii: e02145-14, 2014.

Cresawn SG, Pope WH, Jacobs-Sera D, Bowman CA, Russell DA, Dedrick RM, Adair T, Anders KR, Ball S, Bollivar D, Breitenberger C, Burnett SH, Butela K, Byrnes D, Carzo S, Cornely KA, Cross T, Daniels RL, Dunbar D, Finley AM, Gissandanner CR, Golebiewska UP, Hartzog GA, Hatherill JR, Hughes LE, Jalloh CS, Ekanam K, Khambule SL, King RA, King-Smith C, Klyczek K, Krukonis GP, Laing C, Lapin JS, Lopez AJ, Mkhwanazi SM, Molloy SD, Moran D, Munsamy V, Pacey E, Plymale R, Poxleitner M, Reyna N, Schildbach JF, Stukej J, Taylor SE, Ware VC, Wellman AL, Westholm D, Wodarski D, Zajko M, Zikala TS, Hendrix RW, Hatfull GF.

Comparative genomics of Cluster O mycobacteriophages.

PLoS ONE Mar 5;10(3):e0118725. doi: 10.1371/journal.pone.0118725. eCollection 2015.

Pope WH, Bowman CA, Russell DA, Jacobs-Sera D, Asai DJ, Cresawn SG, Jacobs WR, Hendrix RW, Lawrence JG, Hatfull GF; Science Education Alliance Phage Hunters Advancing Genomics and Evolutionary Science; Phage Hunters Integrating Research and Education; Mycobacterial Genetics Course.

Whole genome comparison of a large collection of mycobacteriophages reveals a continuum of phage genetic diversity.

ELIFE. 2015 Apr 28;4. doi: 10.7554/eLife.06416

Pope WH, Hatfull GF.

Adding pieces to the puzzle: New insights into bacteriophage diversity from integrated research-education programs.

BACTERIOPHAGE. 2015 Aug 18;5(4):e1084073. eCollection 2015 Oct-Dec.

PMID: 26904380

Lima-Junior JD, Viana-Niero C, Conde Oliveira DV, Machado GE, Rabello MC, Martins-Junior J, Martins LF, Digiampietri LA, da Silva AM, Setubal JC, Russell DA, Jacobs-Sera D, Pope WH, Hatfull GF, Leão SC.

Characterization of mycobacteria and mycobacteriophages isolated from compost at the São Paulo Zoo Park Foundation in Brazil and creation of the new mycobacteriophage Cluster U.

BMC Microbiol. 2016 Jun 17;16(1):111. doi: 10.1186/s12866-016-0734-3.

PMID: 27316672

Dedrick RM, Jacobs-Sera D, Bustamante CA, Garlena RA, Mavrich TN, Pope WH, Reyes JC, Russell DA, Adair T, Alvey R, Bonilla JA, Bricker JS, Brown BR, Byrnes D, Cresawn SG, Davis WB, Dickson LA, Edgington NP, Findley AM, Golebiewska U, Grose JH, Hayes CF, Hughes LE, Hutchison KW, Isern S, Johnson AA, Kenna MA, Klyczek KK, Mageaney CM, Michael SF, Molloy SD, Montgomery MT, Neitzel J, Page ST, Pizzorno MC, Poxleitner MK, Rinehart CA, Robinson CJ, Rubin MR, Teyim JN, Vazquez E, Ware VC, Washington J, Hatfull GF.

Prophage-mediated defence against viral attack and viral counter-defence.

Nat Microbiol. 2017 Jan 9;2:16251. doi: 10.1038/nmicrobiol.2016.251.

PMID:28067906

Carrigy NB, Chang RY, Leung SSY, Harrison M, Petrova Z, Pope WH, Hatfull GF, Britton WJ, Chan HK, Sauvageau D, Finlay WH, Vehrung R.

Anti-Tuberculosis Bacteriophage D29 Delivery with a Vibrating Mesh Nebulizer, Jet Nebulizer, and Soft Mist Inhaler.

Pharm Res. 2017 Jun 23. doi: 10.1007/s11095-017-2213-4. [Epub ahead of print]  
PMID:28646325

Klyczek KK, Bonilla JA, Jacobs-Sera D, Adair TL, Afram P, Allen KG, Archambault ML, Aziz RM, Bagnasco FG, Ball SL, Barrett NA, Benjamin RC, Blasi CJ, Borst K, Braun MA, Broomell H, Brown CB, Brynell ZS, Bue AB, Burke SO, Casazza W, Cautela JA, Chen K, Chimalakonda NS, Chudoff D, Connor JA, Cross TS, Curtis KN, Dahlke JA, Deaton BM, Degroote SJ, DeNigris DM, DeRuff KC, Dolan M, Dunbar D, Egan MS, Evans DR, Fahnestock AK, Farooq A, Finn G, Fratus CR, Gaffney BL, Garlena RA, Garrigan KE, Gibbon BC, Goedde MA, Guerrero Bustamante CA, Harrison M, Hartwell MC, Heckman EL, Huang J, Hughes LE, Hyduchak KM, Jacob AE, Kaku M, Karstens AW, Kenna MA, Khetarpal S, King RA, Kobokovich AL, Kolev H, Konde SA, Kriese E, Lamey ME, Lantz CN, Lapin JS, Lawson TO, Lee IY, Lee SM, Lee-Soety JY, Lehmann EM, London SC, Lopez AJ, Lynch KC, Mageeey CM, Martynyuk T, Mathew KJ, Mavrich TN, McDaniel CM, McDonald H, McManus CJ, Medrano JE, Mele FE, Menninger JE, Miller SN, Minick JE, Nabua CT, Napoli CK, Nkangabwa M, Oates EA, Ott CT, Pellerino SK, Pinamont WJ, Pirnie RT, Pizzorno MC, Plautz EJ, Pope WH, Pruett KM, Rickstrew G, Rimple PA, Rinehart CA, Robinson KM, Rose VA, Russell DA, Schick AM, Schlossman J, Schneider VM, Sells CA, Sieker JW, Silva MP, Silvi MM, Simon SE, Staples AK, Steed IL, Stowe EL, Stueven NA, Swartz PT, Sweet EA, Sweetman AT, Tender C, Terry K, Thomas C, Thomas DS, Thompson AR, Vanderveen L, Varma R, Vaught HL, Vo QD, Vonberg ZT, Ware VC, Warrad YM, Wathen KE, Weinstein JL, Wyper JF, Yankauskas JR, Zhang C, Hatfull GF.

Tales of diversity: Genomic and morphological characteristics of forty-six Arthrobacter phages.  
PLoS One. 2017 Jul 17;12(7):e0180517. doi: 10.1371/journal.pone.0180517. eCollection 2017.  
PMID:28715480

Pope WH, Mavrich TN, Garlena RA, Guerrero-Bustamante CA, Jacobs-Sera D, Montgomery MT, Russell DA, Warner MH, Science Education Alliance-Phage Hunters Advancing Genomics and Evolutionary Science (SEA-PHAGES), Hatfull GF

Bacteriophages of *Gordonia* spp. Display a Spectrum of Diversity and Genetic Relationships  
mBio 2017, Aug 15. doi: 10.1128/mBio.01069-1715 August 2017 mBio vol. 8 no. 4 e01069-17

Hua J, Huet A, Lopez CA, Toropova K, Pope WH, Duda RL, Hendrix RW, Conway JF.  
Capsids and Genomes of Jumbo-Sized Bacteriophages Reveal the Evolutionary Reach of the HK97 Fold.  
MBio. 2017 Oct 17;8(5). pii: e01579-17. doi: 10.1128/mBio.01579-17

David I Hanauer, Mark J. Graham, SEA-PHAGES, Laura Betancur, Aiyana Bobrownicki, Steven G. Cresawn, Rebecca A. Garlena, Deborah Jacobs-Sera, Nancy Kaufmann, Welkin H. Pope, Daniel A. Russell, Viknesh Sivanathan, David J. Asai, and Graham F. Hatfull.  
An Inclusive Research-Education Community (iREC): A model for student engagement in science

Proc Natl Acad Sci U S A. 2017 Dec 19;114(51):13531-13536. doi: 10.1073/pnas.1718188115. Epub 2017 Dec 5.  
PMID:29208718

Michael J. Wolyniak\*, Nathan S. Reyna, Ruth Plymale, Welkin H. Pope, Daniel E. Westholm  
Mass Spectrometry as a Tool to Enhance “-omics” Education †  
J. Microbiol. Biol. Educ. February 2018 vol. 19 no. 1 doi:10.1128/jmbe.v19i1.1459

## BOOKS/BOOK CHAPTERS

Jacobs-Sera D., Pope WH, Russell DA, Bowman CA, Cresawn, SG, Hatfull GF. DNA Master Annotation Guide. 2012, rev 2013, 2014, 2015, 2016. seaphages.org

Poxleitner M, Pope WH, Jacobs-Sera D, Sivanathan V, Hatfull, GF. SEA-PHAGES Phage Discovery Manual. 2016. copyright HHMI. seaphages.org

Pope WH and Jacobs-Sera D. Annotation of Bacteriophage Genome Sequences with DNA Master. 2017. In Bacteriophages: Methods and Protocols. Springer. M. Clokie, A. Kropinski, and R. Lavigne, Editors. Methods Mol Biol. 2018;1681:217-229. doi: 10.1007/978-1-4939-7343-9\_16.  
PMID:29134598

Pope WH, Jacobs-Sera D, Russell DA, Cresawn SG, Hatfull, GF. SEA-PHAGES Bioinformatics Guide. 2018. Seaphages.org

## GENOME ANNOUNCEMENTS

Pope WH, Bina EA, Brahme IS, Hill AB, Himmelstein PH, Hunsicker SM, Ish AR, Le TS, Martin MM, Moscinski CN, Shetty SA, Swierzewski T, Iyengar VB, Kim H, Schafer CE, Grubb SR, Warner MH, Bowman CA, Russell DA, Hatfull GF.

Genome Sequence of Mycobacteriophage Momo.

GENOME ANNOUNCEMENTS. 2015 Jun 18;3(3). pii: e00601-15. doi: 10.1128/genomeA.00601-15. PMID:26089415

Pope WH, Ahmed T, Drobitch MK, Early DR, Eljamri S, Kasturiarachi NS, Klonicki EF, Manjooran DT, Ni Chochlain AN, Puglionesi AO, Rajakumar V, Shindle KA, Tran MT, Brown BR, Churilla BM, Cohen KL, Wilkes KE, Grubb SR, Warner MH, Bowman CA, Russell DA, Hatfull GF.

Genome Sequences of Mycobacteriophages Luchador and Nerujay.

GENOME ANNOUNCEMENTS 2015 Jun 18;3(3). pii: e00599-15. doi: 10.1128/genomeA.00599-15. PMID:26089414

Pope WH, Jacobetz E, Johnson CA, Kihle BL, Sobeski MA, Werner MB, Adkins NL, Kramer ZJ, Montgomery MT, Grubb SR, Warner MH, Bowman CA, Russell DA, Hatfull GF.

Genome Sequence of Mycobacteriophage Phayonce.

GENOME ANNOUNCEMENTS. 2015 Jun 18;3(3). pii: e00598-15. doi: 10.1128/genomeA.00598-15. PMID:26089413

Pope WH, Carter JT, Dasher KL, Haynberg MC, Reddi A, Shedlock KA, Lapin JS, Prout AK, Grubb SR, Warner MH, Bowman CA, Russell DA, Hatfull GF.

Genome Sequence of a Newly Isolated Mycobacteriophage, ShedlockHolmes.

GENOME ANNOUNCEMENTS 2015 Jun 18;3(3). pii: e00597-15. doi: 10.1128/genomeA.00597-15. PMID:26089412

Pope WH, Bernstein NI, Fasolas CS, Mezghani N, Pressimone CA, Selvakumar P, Stanton AC, Lapin JS, Prout AK, Grubb SR, Warner MH, Bowman CA, Russell DA, Hatfull GF.

Genome Sequence of Mycobacteriophage Mindy.

GENOME ANNOUNCEMENTS. 2015 Jun 18;3(3). pii: e00596-15. doi: 10.1128/genomeA.00596-15. PMID:26089411

Pope WH, Augustine DA, Carroll DC, Duncan JC, Harwi KM, Howry R, Jagessar B, Lum BA, Meinert JW, Migliozi JS, Milliken KA, Mitchell CJ, Nalatwad AS, Orlandini KC, Rhein MJ, Saravanan V, Seese BA, Schiebel JG, Thomas KB, Adkins NL, Cohen KL, Iyengar VB, Kim H, Kramer ZJ, Montgomery MT, Schafer CE, Wilkes KE, Grubb SR, Warner MH, Bowman CA, Russell DA, Hatfull GF.

Genome Sequences of Cluster G Mycobacteriophages Cambiare, FlagStaff, and MOOREtheMARYer.

GENOME ANNOUNCEMENTS. 2015 Jun 18;3(3). pii: e00595-15. doi: 10.1128/genomeA.00595-15. PMID:26089410

Pope WH, Carbonara ME, Cioffi HM, Cruz T, Dang BQ, Doyle AN, Fan OH, Gallagher M, Gentile GM, German BA, Farrell ME, Gerwig M, Hunter KL, Lefever VE, Marfisi NA, McDonnell JE, Monga JK, Quiroz KG, Pong AC, Rimple PA, Situ M, Sohnen PC, Stockinger AN, Thompson PK, Torchio NM, Toner CL, Ulbrich MC, Vohra NI, Zakir A, Adkins NL, Brown BR, Churilla BM, Kramer ZJ, Lapin JS, Montgomery MT, Prout AK, Grubb SR, Warner MH, Bowman CA, Russell DA, Hatfull GF.

Genome Sequences of Mycobacteriophages AlanGrant, Bace, Corofin, OrangeOswald, and Vincenzo, New Members of Cluster B.

GENOME ANNOUNCEMENTS 2015 Jun 18;3(3). pii: e00586-15. doi: 10.1128/genomeA.00586-15. PMID:26089409

Pope WH, Benczkowski MS, Green DE, Hwang M, Kennedy B, Kocak B, Kruczek E, Lin L, Moretti ML, Onelangsy FL, Mezghani N, Milliken KA, Toner CL, Thompson PK, Ulbrich MC, Furbee EC, Grubb SR, Warner MH, Montgomery MT, Garlena RA, Russell DA, Jacobs-Sera D, Hatfull GF.

Genome Sequences of *Gordonia terrae* Phages Benczkowski14 and Katyusha.

Genome Announc. 2016 Jun 23;4(3). pii: e00578-16. doi: 10.1128/genomeA.00578-16. PMID: 27340062

Pope WH, Brown AK, Fisher DJ, Okwiya NH, Savage KA, German BA, McDonnell JE, Schafer CE, Yu VJ, Furbee EC, Grubb SR, Warner MH, Montgomery MT, Garlena RA, Russell DA, Jacobs-Sera D, Hatfull GF. Genome Sequence of *Gordonia* Bacteriophage Lucky10. *Genome Announc.* 2016 Jun 30;4(3). pii: e00580-16. doi: 10.1128/genomeA.00580-16. PMID: 27365346

Pope WH, Biery DN, Huff ZT, Huynh AB, McFadden WM, Mouat JS, Schneiderman SE, Song H, Szpak LE, Umbaugh MS, German BA, McDonnell JE, Mezghani N, Schafer CE, Thompson PK, Ulbrich MC, Yu VJ, Furbee EC, Grubb SR, Warner MH, Montgomery MT, Garlena RA, Russell DA, Jacobs-Sera D, Hatfull GF. Genome Sequences of *Gordonia terrae* Phages Attis and SoilAssassin. *Genome Announc.* 2016 Jun 30;4(3). pii: e00591-16. doi: 10.1128/genomeA.00591-16. PMID: 27365347

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## GENBANK RECORDS

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Co-Author on 1704 complete bacteriophage genome records in the Nucleotide Database in GenBank at the National Center for Biotechnology as of August 2018.