

July 30, 2018

## CURRICULUM VITAE

**Amber M. Smith**

<https://www.ambersmithlab.com>

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### EDUCATION

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<b>Postdoc</b>	<b>St. Jude Children's Research Hospital, Memphis, TN USA</b> Infectious Diseases (2012-2014)	<b>2014</b>
<b>Postdoc</b>	<b>Los Alamos National Laboratory, Los Alamos, NM USA</b> Theoretical Biology and Biophysics (2009-2012)	<b>2012</b>
<b>Ph.D.</b>	<b>University of Utah, Salt Lake City, UT USA</b> Applied Mathematics (2005-2009)	<b>2009</b>
<b>M.S.</b>	<b>University of Utah, Salt Lake City, UT USA</b> Applied Mathematics (2003-2005)	<b>2005</b>
<b>B.S.</b>	<b>Colorado School of Mines, Golden, CO USA</b> Mathematical and Computer Sciences (1999-2003)	<b>2003</b>

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### NON-DEGREE EDUCATION

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<b>K25 Coursework</b>	<b>University of Tennessee Health Science Center, Memphis, TN USA</b> Cellular Biology, Molecular Biology, Inflammation & Immunity	<b>2012-2013</b>
<b>AAI Short Course</b>	<b>The American Association of Immunologists, Minneapolis, MN USA</b> Advanced Immunology	<b>2011</b>
<b>Graduate Summer Course</b>	<b>IAS/Park City Mathematics Institute, Park City, UT</b> Mathematical Biology	<b>2005</b>
<b>Undergrad Summer Course</b>	<b>Institute for Advanced Study, Princeton, NJ USA</b> Mathematical Biology	<b>2003</b>

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### HONORS AND AWARDS

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#### *Professional*

- Elected to Society for Mathematical Biology (SMB) Board of Directors 2016-present
- Selected to NIH Early Career Reviewer Program 2016-present
- SMB Social Media Award, Best Tweets 2015
- Travel Awards
  - Utah Mathematical Biology Alumni Meeting, Salt Lake City, UT USA 2017

#### *Graduate*

- Nominated and Selected for the Early Career Scientists Symposium 2011  
University of Michigan, Ann Arbor, MI USA
- Selected to Forward to Professorship 2011

Arizona State University, Tempe, AZ USA

- Awarded NSF Research Training Group (RTG) Fellowship 2006-2009
- Selected for the NIH National Graduate Student Research Festival 2008  
National Institutes of Health, Bethesda, MD USA
- Awarded NSF Integrative Graduate Education & Research Traineeship (IGERT) 2003-2005
- Travel Awards:
  - Utah Mathematical Biology Alumni Conference, Salt Lake City, UT 2017
  - Co-Infection Meeting, Sagamore Resort, Bolton Landing, NY 2012
  - Orthomyxovirus Research Conference, Montreal, Canada 2012
  - Cell Symposia - Influenza: Translating Basic Insights, Washington D.C. 2010
  - SIAM Conference on the Life Sciences, Pittsburgh, PA 2010
  - Co-Infection Meeting, SJCRH, Memphis, TN 2009
  - Landahl Award - SMB Annual Meeting, Toronto Canada 2008
  - Orthomyxovirus Research Conference, Woods Hole, MA 2007

### ***Undergraduate***

- Graduated with High Scholastic Honors 2003
- Professor Everett Mathematics Award, Outstanding Graduating Senior 2003
- Edays Engineer, Outstanding Senior in Mathematical and Computer Sciences 2003
- Dean's List 2000-2003
- Peer Mentor of the Year Award 2002
- CSM Research Experience for Undergraduates (REU) Fellowship 2002
- Leo Borasio Outstanding Junior Award, McBride Honors Program 2002
- Scholarships
  - NSF Computer Science, Engineering, and Mathematics Scholarship (CSEMS) 2002-2003
  - CSM Alumni Association Scholarship 2001
  - McBride Honors Program Scholarship 2000-2003
  - Rosalyn Temple Endowed Scholarship 2000-2001
  - CSM Presidential Scholarship 1999-2003

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## **SOCIETY MEMBERSHIPS**

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### ***Current***

- Society for Mathematical Biology (SMB)
- American Association of Immunologists (AAI)
- American Mathematical Society (AMS)
- International Society for Influenza and Other Respiratory Diseases (ISIRV)

### ***Past***

- Society for Industrial and Applied Mathematics (SIAM)
- Association for Women in Mathematics (AWM)
- National Postdoctoral Association (NPA)
- Kappa Mu Epsilon (KME)
- Society for Women Engineers (SWE)

- Blue Key National Honor Society

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## UNIVERSITY APPOINTMENTS

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<b>Assistant Professor</b> , Department of Pediatrics Institute for the Study of Host Pathogen Systems University of Tennessee Health Science Center, Memphis, TN	2017-present
<b>Faculty Research Affiliate</b> , Theoretical Biology and Biophysics Los Alamos National Laboratory, Los Alamos, NM	2012-present
<b>Research Associate</b> , Department of Infectious Diseases <b>Graduate School Faculty Member</b> St. Jude Children's Research Hospital, Memphis, TN	2014-2017 2016-2017
<b>Postdoctoral Fellow</b> , Department of Infectious Diseases St. Jude Children's Research Hospital, Memphis, TN	2012-2014
<b>Postdoctoral Fellow</b> , Theoretical Biology and Biophysics Los Alamos National Laboratory, Los Alamos, NM	2009-2012
<b>RTG Research Fellow</b> , Department of Mathematics University of Utah, Salt Lake City, UT	2006-2009
<b>Instructor</b> , Department of Mathematics University of Utah, Salt Lake City, UT	2005-2006
<b>IGERT Fellow</b> , Department of Mathematics University of Utah, Salt Lake City, UT	2003-2005

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## ACADEMIC AFFILIATIONS

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<b>Los Alamos National Laboratory, Los Alamos, NM USA</b> Theoretical Biology and Biophysics (T-6), Theoretical Division (T-DO)	2006-present
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## TEACHING EXPERIENCE

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<b>University of Tennessee Health Science Center</b> <i>Adhoc Instructor</i> <b>MSCI 930</b> Microbial Pathogenesis (3 credits; 2 students)	2018
<b>University of Utah, Department of Mathematics</b> <i>RTG Fellow/Teaching Assistant</i> <b>Biol 5910</b> Mathematical Models in Biology (3 credits; 15 students) <b>REU</b> Circadian Rhythms (3 credits; 4 students) <b>Math 5120/6780</b> Mathematical Biology II (3 credits; 20 students) <b>Math 5110/6830</b> Mathematical Biology I (3 credits; 20 students)	2005-2009
<i>Instructor</i> <b>Math 1100</b> Business Calculus (3 credits; 50 students)	

**Math 1090** College Algebra for Business and Social Sciences (3 credits; 50 students)

**Park City Mathematics Institute/Institute for Advanced Study** 2005

*Teaching Assistant*

**Undergraduate Summer School** Course: Dynamics, Disease and Diversity (30 students)

**Colorado School of Mines** 2001-2003

**Academic Excellence Workshop Facilitator**

Subject: Differential Equations

**CSM 101** Peer Mentor/Academic Advisor (1 credit; 30 students)

**Tutor** Subjects: Calculus I, II, III, Differential Equations, Probability and Statistics, C++, Data Structures, Software Engineering, Linear Algebra, and Algebraic Structures

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**INVITED LECTURES** *Total: 29*

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1. **SMB Annual Meeting**, Sydney, Australia Jul 2018  
- *Flu ACHOO! Modeling the Immune Response to Influenza-Bacterial Coinfection*
2. **Artificial Intelligence for Predictive Medicine**, UTHSC, Memphis, TN Jun 2018  
- *Modeling Influenza Virus Infection and Bacterial Coinfection*
3. **Canadian Applied and Industrial Mathematics Society (CAIMS) Annual Meeting**, Toronto, Canada Jun 2018  
- *Modeling T cell Mediated Control During Influenza Infection and Bacterial Coinfection*
4. **SJCRH Global Pediatric Medicine**, Memphis, TN Feb 2018  
- *Pharmacokinetics and Pharmacodynamics in Infectious Disease Therapy*
5. **Host-Pathogen Dynamics**, Mathematical Biosciences Institute, Columbus, OH Feb 2018  
- *Validating Models of Influenza-Bacterial Coinfection*
6. **University of Tennessee Health Science Center**, Memphis, TN Aug 2017  
- *Uncovering Mechanisms of Respiratory Infections with Predictive Models*
7. **SMB Annual Meeting**, Salt Lake City, UT Jul 2017  
- *Experimentally Validating Model Predictions to Define Mechanisms of Respiratory Infections*
8. **University of Texas - Medical Branch**, Galveston, TX Jun 2017  
- *Uncovering Mechanisms of Influenza-Pneumococcal Coinfection with Predictive Models*
9. **Immunology and Evolution of Influenza**, Emory University, Atlanta, GA May 2017  
- *Validating Immune Response Models of Influenza Virus Infection and Bacterial Coinfection*
10. **Keystone Symposia - Modeling Viral Infections and Immunity**, Estes Park, CO May 2017  
- *Modeling the Lethal Synergism of Influenza-Pneumococcal Coinfection*
11. **Biomedical Research Forum Seminar**, SJCRH, Memphis, TN Mar 2017  
- *Bacterial Coinfection During Influenza: Insights from Computational Modeling*
12. **Microbiology Department Seminar**, University of Tennessee, Knoxville, TN Feb 2017

- *Host-Pathogen Dynamics During Influenza-Pneumococcal Coinfection*
- 13. **Joint Mathematics Meeting**, Atlanta, GA Jan 2017
  - *Modeling Host-Pathogen Interactions During Influenza-Pneumococcal Coinfection*
- 14. **American Mathematical Society Sectional Meeting**, Raleigh, NC Nov 2016
  - *Modeling Host-Pathogen Interactions During Influenza-Pneumococcal Coinfection*
- 15. **Biology Department Seminar**, University of Memphis, Memphis, TN Nov 2016
  - *Integrative Analysis of the Immune Resp. to Influenza-Pneumococcal Coinfection*
- 16. **Center for Modeling Complex Interactions**, University of Idaho, Moscow, ID Sep 2016
  - *Integrative Analysis of the Immune Response to Influenza-Pneumococcal Coinfection*
- 17. **Mathematical Biology Seminar**, Colorado School of Mines, Golden, CO Sep 2016
  - *Integrative Analysis of Host-Pathogen Interactions During Influenza-Pneumococcal Coinfection*
- 18. **Mathematical Biology Seminar**, University of Colorado, Boulder, CO Sep 2016
  - *Integrative Analysis of Host-Pathogen Interactions During Influenza-Pneumococcal Coinfection*
- 19. **SIAM Conference on the Life Sciences**, Boston, MA Jul 2016
  - *Parameter Estimation in Modeling Influenza Infection: When & Why Parameter Values Don't Matter*
- 20. **Integrated Mathematical Oncology Seminar**, Moffitt Cancer Center, Tampa, FL Mar 2016
  - *Identifying Immune Mechanisms of Influenza-Pneumococcal Coinfection with Model Driven Experiments*
- 21. **Memphis Mathematical Biology Seminar**, SJCRH, Memphis, TN Dec 2015
  - *Modeling Influenza: Estimating and Interpreting Parameters*
- 22. **Mathematics Department Seminar**, Virginia Tech, Blacksburg, VA Nov 2015
  - *Identifying Mechanisms of Influenza-Pneumococcal Coinfection Through Mathematical Modeling*
- 23. **Biomathematics and Ecology: Education and Research**, Claremont, CA Oct 2014
  - *Modeling Host-Pathogen Interactions of Influenza and *S. pneumoniae* During Coinfection*
- 24. **Co-Infection Meeting**, Sagamore Resort, Bolton Landing, NY Apr 2012
  - *Kinetics of Coinfection with Influenza and *Streptococcus pneumoniae**
- 25. **Mathematical Biology Seminar**, University of Utah, Salt Lake City, UT Mar 2012
  - *Modeling Influenza A Virus Infection Kinetics*
- 26. **Mathematical Biology Seminar**, University of Pittsburgh, Pittsburgh, PA Mar 2012
  - *Influenza PB1-F2 Expression: Kinetics of Primary and Secondary Infections*
- 27. **Early Career Scientists Symposium**, University of Michigan, Ann Arbor, MI Apr 2011
  - *Bacterial Coinfections With Influenza: Quantitative Data and Modeling*
- 28. **Viral Dynamics Workshop**, Santa Fe Institute, Santa Fe, NM Aug 2010
  - *Effect of 1918 PB1-F2 Expression on Influenza A Virus Infection Kinetics*

29. **Co-Infection Meeting**, SJCRH, Memphis, TN  
- *Mathematical Modeling of Secondary Bacterial Infections Following Influenza*

May 2009

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## COMMITTEES AND OFFICES HELD

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### ***Elected Offices***

- Board of Directors      Society for Mathematical Biology      2016-present

### ***International Extramural Service***

- Session Chair      International Symposia on Pneumococci and Pneumococcal Disease (ISPPD)      2018
- Thesis Referee      Department of Mathematics and Statistics      2017  
University of Melbourne, Melbourne, Australia
- Grant Referee      Medical Research Council, United Kingdom      2016

### ***National Extramural Service***

- Grant Referee      NIH CSR      2017-present
- Chair      SMB Immunobiology and Infection Subgroup      2016-present
- Social Media Chair      Society for Mathematical Biology      2016-present
- Advisory Board      Southern New Hampshire University      2016-present
- Mentor      Association for Women in Mathematics (AWM)      2016-present
- Mentor      Society for Mathematical Biology (SMB)      2015-present
- Poster Judge      Le Bonheur Pediatric Research Day      2017
- Poster Judge      Society for Mathematical Biology Annual Meeting      2017, 2018
- Minisym. Organizer      Society for Mathematical Biology Annual Meeting      2017, 2018
- Session Chair      Society for Mathematical Biology Annual Meeting      2015
- Session Chair      Co-Infection Meeting      2012
- Session Chair      Options for the Control of Influenza VIII      2013
- Organizer      Utah Mathematical Biology IGERT Student Workshop      2006

### ***Intramural Service***

- Chair      Faculty Search Committee      2018
- Founder/Organizer      Memphis Mathematical Biology      2015-present
- Organizer      SJCRH Infectious Disease Journal Club      2013-2015
- Founder/Organizer      LANL Mathematical Virology Group      2009-2012
- Founder/Organizer      Utah Ecosystems Group      2005-2009
- Member      Women in Science, Mathematics and Engineering Group      2008-2009
- Member at Large      University of Utah College of Science      2007-2008
- Council Member      University of Utah College of Science      2007-2008
- Chair      Utah Graduate Student Advisory Committee (GSAC)      2007-2008
- Recruitment Chair      Utah Graduate Student Advisory Committee (GSAC)      2004-2005

### ***Grant Review Service***

- NIH CSR      Infect., Reproductive, Asthma & Pulmonary Conditions (IRAP)      2018
- NIH CSR      Cardiovascular and Respiratory AREA (ZRG1 CVRS-L)      2018
- NIH CSR      Modeling and Analysis of Biological Systems (MABS)      2017
- MRC      Ad Hoc Reviewer      2016

## **Journal Referee**

2009-present

- Acta Mathematica Scientia
- American Journal of Epidemiology
- BMC Infectious Diseases
- BMC Public Health
- Bulletin of Mathematical Biology
- Current Opinion in Systems Biology
- Epidemiology and Infection
- Journal of Theoretical Biology
- Journal of Virology
- Journal of Virological Methods
- Journal of the Royal Society Interface
- Mathematical Medicine and Biology
- mSphere
- Nature
- Pathogens and Disease
- Physical Biology
- PLoS Computational Biology
- PLoS One
- PLoS Pathogens
- Proceedings of the American Mathematical Society
- Proceedings of the Royal Society B
- Risk Analysis
- Scientific Reports
- Virology
- Viruses

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## **OTHER PROFESSIONAL ACTIVITIES**

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### **Community Outreach**

- Career Success      KIPP Memphis Collegiate High School      2014

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## **TRAINEES**

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### **Postdoctoral Fellows**

#### Mathematics

- Lubna Pinky, Ph.D.      2018-present
- Veronika Bemhuerova, Ph.D.      2015-2017

#### Biology

- Kimbra Turner, Ph.D.      2016-2017

### **Research Staff**

- Maggie Myers, B.S.      2018-present
- Gabrielle Hochu, B.S.      2017-present
- Lindey Lane, B.S.      2016-present
- Amanda Smith, M.S.      2014-present

### **Medical Students**

- David Moquin (University of Tennessee Health Science Center)      2014-2016

### **Graduate Students**

#### Mathematics

- Lubna Pinky (Visiting Student, TCU)      2017
- Joseph DeAgüero (University of Idaho)
  - M.S. in Bioinformatics and Computational Biology (Role: Co-Mentor)      2017-present
  - Visiting Student      2017
- Robert Torrence (Virginia Tech)      2016-2017
  - M.S. in Mathematics (Role: Committee Member)

- Thesis: Bayesian Parameter Estimation on Three Models of Influenza

Pharmacology

- Lindey Lane  
- M.S. in Pharmacology (Role: Mentor) 2017-2018

Biology

- Luciana Tavares (Visiting Student, Universidade Federal de Minas Gerais) 2015
- Miranda Jarrett (Rotating Student, UTHSC) 2014

**Undergraduate Students**

Mathematics

- Syndey Busch (Summer Student, Augsburg College) 2018
- Maggie Myers (Rhodes-SJ Summer Plus Program, Rhodes College) 2016-2018
- Tyler Bardsley (REU, University of Utah) 2008
- William Carlquist (REU, University of Utah) 2008
- Parker Childs (REU, University of Utah) 2008
- Yasmeen Hussain (REU, University of Utah) 2008

Bioengineering

- Gabrielle Hochu (St. Jude POE Summer Program, NC State) 2015-2016
- Amy Mirro (St. Jude POE Summer Program, Washington Univ. in St. Louis) 2015-2016

Biology

- Emily Weatherman (Visiting Student, U. Tennessee-Knoxville) 2017-2018
- Lindey Lane (Summer Student, Mississippi State) 2015
- Hayley Arceneaux (St. Jude POE Summer Program, SE Louisiana University) 2013

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**GRANT SUPPORT** **Total: \$2,948,817**

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<b>2018-2023</b> Role: PI	<b>NIH NIAID R01 – Research Project Grant</b> <i>Predictive Modeling of Influenza-Pneumococcal Coinfection</i>	<b>\$1,900,000</b>
<b>2017-2019</b> Role: PI	<b>NIH NIAID U01- Administrative Supplement Award</b> <i>Kinetic Modeling of Age-Specific Host Responses During Influenza Infection and Bacterial Coinfection</i>	<b>\$170,000</b>
<b>2016-2019</b> Role: PI	<b>NIH NIAID R56 High Priority Project Award</b> <i>Quantifying and Validating Immune Response Dynamics for Influenza and Viral-Bacterial Pneumonias</i>	<b>\$453,747</b>
<b>2012-2018</b> Role: PI	<b>NIH NIAID K25 Career Development Award</b> <i>Bacterial Virulence Factors Contributing to Virus-Associated Pneumonia</i>	<b>\$425,070</b>

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**BOOK CHAPTERS** \*senior author

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1. **Smith, AM\***, Ribeiro, RM, and Perelson, AS\*. (2017). *Population Dynamics of Host and Pathogens*. In: Systems Immunology: An Introduction to Modeling Methods for Scientists.



Taylor and Francis (in press)

2. **Smith AM\***, McCullers JA. (2014) *Secondary Bacterial Infections in Influenza Virus Pathogenesis*. In: Current Topics in Microbiology and Immunology: Influenza pathogenesis and Control – Volume 1, Compans RW and Oldstone M, Eds., Springer, Heidelberg, 327-56. doi:10.1007/82 2014 394.

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## JOURNAL ARTICLES

\*senior author

1. M. Chung, M. Binois, R.B. Gramacy, D.J. Moquin, A.P. Smith and **A.M. Smith\***. Parameter and Uncertainty Estimation for Dynamical Systems Using Surrogate Stochastic Processes. (*submitted*)
2. Rodriguez, A, McCullers, JA, **Smith, AM**, Kanneganti, T, and Lupfer, CR\*. Enhanced priming of IL-1 $\beta$  contributes to immunopathology during coinfection with influenza A virus and *Streptococcus pneumoniae*. (*submitted*)
3. **Smith AM\*** (2018). *Host-Pathogen Kinetics During Influenza Infection and Coinfection: Insights from Predictive Modeling*. Immunol. Rev. (*in press*)
4. Smith AP, Moquin DJ, Bernhauerova V and **Smith AM\*** (2018). *Influenza Virus Infection Model With Density Dependence Supports Biphasic Viral Decay*. *Front. Microbiol.* 9:1554. doi: 10.3389/fmicb.2018.01554
5. **Smith, AM\*** and Huber, V\*. *The Unexpected Impact of Vaccines on Secondary Bacterial Infections Following Influenza*. *Viral Immunology*. doi: 10.1089/vim.2017.0138
6. **Smith, AM\*** (2017). *Quantifying the Therapeutic Requirements and Potential for Combination Therapy to Prevent Bacterial Coinfection During Influenza*. *J Pharmacokinet Pharm.* doi:10.1007/s10928-016-9494-9.
7. **Smith, AM\*** and Smith, AP (2016). *A Critical, Nonlinear Threshold Dictates Bacterial Invasion and Initial Kinetics During Influenza*. *Sci Rep*, 6:38703. doi: 10.1038/srep38703.
8. **Smith, AM**, and McCullers, JA\* (2013). *Molecular Signatures of Virulence in the PB1-F2 Proteins of H5N1 Influenza Viruses*. *Virus Res* 178 (1):146-150. doi:10.1016/J.virusres.2013.02.012.
9. **Smith, AM\***, Adler, FR, Ribeiro, RM, Gutenkunst, RN, McAuley, JL, McCullers, JA and Perelson, AS (2013). *Kinetics of Coinfection with Influenza A Virus and Streptococcus pneumoniae*. *PLoS Pathog* 9(3): e1003238. doi:10.1371/journal.ppat.1003238.
10. **Smith, AM\***, McCullers, JA and Adler, FR (2011). *Mathematical Model of a Three-Stage Innate Immune Response to a Pneumococcal Lung Infection*. *J Theor Biol* 276(1):106- 116.
11. **Smith, AM\***, Adler, FR, McAuley, JL, Gutenkunst, RN, Ribeiro, RM, McCullers, JA and Perelson, AS\* (2011). *Effect of 1918 PB1-F2 Expression on Influenza A Virus Infection Kinetics*. *PLoS Comput Biol* 7(2): e1001081. doi:10.1371/journal.pcbi.1001081.
12. **Smith, AM**, and Perelson, AS\* (2011). *Influenza A Virus Infection Kinetics: Quantitative Data and Models*. *WIREs Syst Biol Med* doi: 10.1002/wsbm.129.
13. **Smith, AM**, and Ribeiro, RM\* (2010). *Modeling the Viral Dynamics of Influenza A Virus Infection*. *Crit Rev Immunol* 30(3):291-298.
14. **Smith, AM\***, Adler, FR and Perelson, AS (2010). *An Accurate Two-Phase Approximate Solution to an Acute Viral Infection Model*. *J Math Biol* 60(5):711-726.
15. McAuley, JL, Hornung, F, Boyd, KL, **Smith, AM**, McKeon, R, Bennink, J, Yewdell, JW and

McCullers, JA\* (2007). *Expression of the 1918 Influenza A Virus PB1-F2 Enhances the Pathogenesis of Viral and Secondary Bacterial Pneumonia*. *Cell Host & Microbe*, 2(4):240-249.

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## OTHER PUBLICATIONS

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### Editorials

1. *Simultaneous Infection*, International Innovation: The End of Epidemics (2015) Issue 176, <http://www.internationalinnovation.com/simultaneous-infection/>
2. *Influenza Virus and Pneumococcus: A Deadly Combination*, Translating Science Into Survival, St. Jude Scientific Reports (2014) [http://www.stjude.org/SJFile/070914\\_WEB.pdf](http://www.stjude.org/SJFile/070914_WEB.pdf)

### Press Articles

1. Fite, E: "Soddy-Daisy Woman Survived Spanish Flu Pandemic of 1918", Chattanooga Times Free Press 18 February 2018 <http://www.timesfreepress.com/news/local/story/2018/feb/18/soddy-daisy-wom-survived-spanish-flu-pandemic/463996/>
2. Grenfell B and Arinaminpathy N: F1000Prime Recommendation of [Smith AM et al., PLoS Comput Biol 2011, 7(2):e1001081]. In F1000Prime, 06 Mar 2011; DOI: 10.3410/f.8733956.9247056. <http://F1000Prime.com/8733956#eval9247056>
3. Cell Press. "Avian Flu – 1918 and Today – Protein Enhances Lethality of Virus", ScienceDaily. 11 October 2007. <http://www.sciencedaily.com/releases/2007/10/071010120543>
4. Publication Highlight for McAuley et al. (2007) *Cell Host and Microbe* *Nature Reviews Microbiology* 5, 908 (December 2007) | doi:10.1038/nrmicro1811 <http://www.nature.com/nrmicro/journal/v5/n12/full/nrmicro1811.html>

### Educational Media

1. *Knocking Infections Off the Catwalk with Models*, Science Soundbites (2015) <https://www.cure4kids.org/ums/sites/teachers/plugins/page.php?id=19>

### Tutorials

1. **Smith, AM.** (2007) *Presentations Using LaTeX: The Beamer class*. <http://www.math.utah.edu/~smith/Beamer>