

CURRICULUM VITAE

- I. Name and degrees:** Sam Rountree Telford III, B.A., S.M., Sc.D.
- II. Place of Birth or Citizenship:** Gainesville, Florida
- III. Present Business Address:**
Department of Infectious Disease and Global Health Tufts University Cummings
School of Veterinary Medicine, 200 Westboro Road, North Grafton,
Massachusetts 01536
- IV. Undergraduate Education:**
The Johns Hopkins University, Baltimore, Maryland, 1979, B.A., Earth and
Planetary Sciences (Ecology and Evolution Program)
- V. Advanced Degree(s):**

S.M., Tropical Public Health. No thesis. 1987, Harvard University School of
Public Health, Boston, Massachusetts

Sc.D. Parasitology. Thesis Title: "Perpetuation of the agent of Lyme disease".
1990, Harvard University School of Public Health, Boston, Massachusetts
- VI. Board Certification:** none
- VII. Licensure:** none
- VIII. Present Title/Position:** Professor of Infectious Disease and Global Health, Tufts
University Cummings School of Veterinary Medicine
- IX. Professional Position**
- | | |
|-----------------|---|
| 8/2008-present | Commissioner, Central Massachusetts Mosquito Control
Project, Massachusetts Dept of Agricultural Resources |
| 2/2004-9/2004 | Graduate Faculty, School of Forestry, University of
Massachusetts Amherst |
| 9/2002- present | Associate Professor to Professor, Biomedical Sciences,
Tufts University School of Veterinary Medicine |
| 9/2002- 6/2009 | Visiting Scientist, Immunology and Infectious Diseases,
Harvard School of Public Health |
| 7/2001-7/2003 | Affiliate, Biological Sciences, Idaho State University |

7/2000-7/2004	Affiliate, University of Alaska Museum, University of Alaska Fairbanks
7/1999- present	Adjunct Assistant Professor of Medicine, Tufts University School of Medicine
7/1992-9/2002	Lecturer in Tropical Public Health, Harvard School of Public Health
7/1990-7/1992	Research Fellow in Tropical Public Health, Harvard School of Public Health

X. Administrative Position:

DVM-MPH Coordinator, TUSVM, 2003-2006

XI. Professional Society Membership (member since)

American Mosquito Control Association (2009)
 Entomological Society of America (2007)
 American Society for Microbiology (1997)
 American Society of Tropical Medicine and Hygiene (1987)

XII. Honor Societies: none

XIII. Honors and Other Distinction: none

XIV. Memberships in Other Organizations: none

XV. Teaching Experience

1. Undergraduate Programs:

Tufts University Cummings School of Veterinary Medicine

1. Adventures in Veterinary Medicine, 2005-present (lecturer, 1 hour)

2. DVM Program or equivalent:

Tufts University Cummings School of Veterinary Medicine

1. Veterinary Parasitology, 1986-1988 (lecturer 2 hours, lab 3 hours)
2. Veterinary Public Health, 1994-2004; 2007-2008 (lecturer, 2 hrs)

Tufts University School of Medicine (combined MPH program)

1. Infectious Disease Epidemiology, 2000-2004 (lecturer, 2 hrs)
2. Epidemiology of Zoonotic Infections 2004 (Course director, 24 hrs)

Harvard Medical School

1. Tropical Medicine and Parasitology, 2002-2003 (lecturer, 1 hr)
2. Tropical Medicine and Parasitology, 1987-2001 (lab, 24 hours)

TCSVM RESPOND Project

1. Emerging Zoonotic Infections, Mahidol School of Public Health, Bangkok, Thailand, 2011 (8 hours)

2. Epidemiology of Zoonotic Infections, University of Lubumbashi Veterinary School, Democratic Republic of Congo, 2012 (6 hours)
3. Emerging Zoonotic Infections, Hanoi School of Public Health, Republic of Vietnam, 2012 (3 hours)
4. Epidemiology of Zoonotic Infections, Rwanda School of Public Health, Kigali, Rwanda, 2013 (6 hours)

3. Graduate Programs

Marine Biological Laboratory, Woods Hole

1. Biology of Parasitism, 1986-1988 (lab, 3 hours)

Harvard School of Public Health

1. Biology, Economics, Epidemiology and Policy of Malaria 1988-1996; 2000-2002 (lecturer, 2 hours)
2. Principles of Public Health Entomology 1986-2002; 2007-2009 (lecturer, 2 hrs; lab 4 hours)
3. Techniques for the Investigation of Parasitic Infections 1990-1992 (lecturer, 4 hrs; lab 12 hrs)
4. Techniques for the Investigation of Parasitic Infections 1993-1997 (Course director, 72 hours lecture and laboratory)
5. Immunology of Parasitic Infections 1995-1999 (lecturer, 1 hr)
6. Issues in Biodefense 2002 (lecturer, 1 hr)

Tufts University Cummings School of Veterinary Medicine

1. Topics in Parasitology 2004 (lecture, 1 hr)
2. Epidemiology of Zoonotic Infections 2005, 2007, 2009, 2011, 2013 (Course director, 24 hrs)
3. Principles of Biodefense 2006, 2008, 2010, 2012, 2014 (Course director, 24 hrs)
4. Microbial Pathogenesis 2006 (lecturer, 1 hr)
5. Animals and Society 2006 (lecturer, 1 hr)

4. Mentoring (dates mentored, type of mentoring, topic)

DVM students

1. Dana Roth V98, 1997 (selective: emerging tickborne diseases)
2. Louisa Castrodale V97, 1997 (selective: emerging tickborne diseases)
3. Glenn Olah (2002, University of Oklahoma vet school, internship: Effects of cox-2 inhibitors on tick feeding)
4. Paula Katavolos V01, 1997-1999 (selective, internship: Transmission of Bartonella by fleas)
5. Amy Peterson V01, 1997-1998 (selective: Transmission of deer tick virus)
5. Richelle Berard V02, 2000 (selective: Prevalence of malaria in Brazilian Transamazonian highway workers)
6. Sumiko Mearu V03, 2002 (selective: Database for longitudinal studies of Lyme disease ecology)

7. Lisa Naples V04, 2003 (IVM research: Prevalence of cryptosporidium in Meru wildlife)
8. Kim Gostyla V05, 2003 (IVM research: Prevalence of cryptosporidium in Meru wildlife)
8. Elliott Garber V08, 2005 (NIH summer research: Prevalence of skunk exposure to anthrax)
9. Rebecca Quinn V05, 2005 (NIH summer research: Prevalence of babesiosis in Sri Lankan dogs)
10. Sheila Bennett V05, 2005 (NIH summer research, Prevalence of babesiosis in Sri Lankan dogs)
11. Sally Umlauf V06, 2003 (NIH summer research: Prevalence of Rift Valley fever antibody in Cameroonian goats)
12. Danielle Babski V07, 2005 (NIH summer research: Babesia microti exposure in Massachusetts dogs)
13. Jack Hawkes V07, 2005 (NIH summer research: Prevalence of exposure to tularemia in Cape Cod raccoons)
14. Annie Shea V'11, Marieke Rosenbaum V'10, Karen Alroy V'11, 2008 (MPH directed study, Prevalence of Baylisascaris procyonis in Central Massachusetts)
15. Kylynn Fontaine, V'15 (NIH summer research: Knowledge, attitudes and behavior survey of Lyme disease risk factors)
16. Steve Diaz, V'15 (MPH ALE project: Risk factors for tick borne disease exposure)

Undergraduates

1. Landys Lopez (1999, Harvard University, work-study research: cytokine responses to infection by Anaplasma phagocytophilum)
2. Maria DeLeon (University of Michigan, summer research project: survey of Amblyomma americanum for Borrelia lonestari)
3. Shirin Usmani (2002, Ohio University, summer research project, Seroprevalence of Francisella tularensis in Massachusetts dogs)
4. Inbar Shani (2002, Brown University, summer research project, Prevalence of Francisella tularensis in ticks)
5. Nicholas Gentilli, Stephen Jantzen, Christopher Hogan, Jeremy Arak, Jennifer Nichols, Kaitlyn O'Brien, Anna Shih, and David Sorensen (2007, Tufts University, tick robot design, engineering class)
6. Emily Dennstedt (2007-2008, Worcester State College, independent research, prevalence of Lyme disease spirochetes in deer ticks)
7. Amanda Blom (2009-2011, Worcester Polytechnic Institute, major qualifying project, nontarget effects of mosquito spraying)

Graduate students

1. Laura Blewett, University of Massachusetts Amherst (2004, masters thesis committee, "Evaluation of Maxforce bait boxes for control of Lyme disease")

2. Jim Desmond V07 (2007, masters thesis committee, "Population genetics of deer ticks, *Ixodes scapularis*, in Massachusetts")
3. Zenda Berrada (2008, PhD major professor; thesis "Environmental basis for tularemia on Martha's Vineyard")
4. Siobhan Mor (2008, PhD committee, thesis "Epidemiology of cryptosporidiosis and related infections in sensitive human populations")
5. Kristen Swensson (2009, PhD "Opponent", thesis "Genetic genealogy of *Francisella tularensis*", University of Umea, Sweden)

Postdocs

1. Simcha Finkelman PhD (1997-1998; Development of *Anaplasma phagocytophilum* in tick salivary glands; now at Agricultural Research Organization, Bet Dagan, Israel)
2. Caterina Sellitto PhD (1995-1997; Immunoblot refinement for Lyme disease diagnostics; current whereabouts not known)
3. Abhay Satoskar MD PhD (1998-1999; Immunopathogenesis of HGE; now Associate Professor, Ohio State University)
4. Philippe Parola MD PhD (2001-2002; *Rickettsia* as a cause of fever in northern Thailand; now Assistant Professor, Universite de la Mediteranee, Marseille France)
5. Natalya Vorobieva Dr Med Sci (Fulbright fellow in residence at Harvard School of Public Health, 2003-2004; Prevalence of exposure to *Babesia microti* in tickborne encephalitis patients; now Chief, tickborne encephalitis clinic, Perm University, Perm Russia)
6. Kotaro Matsumoto DVM, PhD (2007-2008; Bartonellosis in wildlife; now Assistant Professor, Obihiro University School of Veterinary Medicine, Japan)
7. Zenda Berrada PhD (Role of Lone Star ticks in RMSF transmission; now at California Dept of Public Health)
8. Eric Waltari PhD (Beringian parasites; GIS model for Lyme disease spread; currently postdoc at Community College of New York)

5. Continuing Education: None

6. Other: None

XVI. Committees.

1. Outside University

Editorial Review

Journal of Clinical Microbiology, Editorial Board 2000-2006
 Ticks and Tickborne Diseases, Editorial Board 2009-current
 Clinical and Vaccine Immunology, Editorial Board 2010-current
 Applied and Environmental Microbiology, Editorial Board 2013-current

International Journal of Parasitology, Parasites and Wildlife, Editorial Board 2012-current

International Journal of Bacteriology, Editor, 2012-current

Current (last three years):

Regular Reviewer (one manuscript every two months): American Journal of Tropical Medicine and Hygiene, Journal of Medical Entomology, Journal of Wildlife Diseases, Emerging Infectious Diseases

Sporadic Reviewer (2-4 manuscripts a year): Infection and Immunity, Clinical and Vaccine Immunology, Veterinary Parasitology, Journal of Clinical Microbiology, Vector Borne and Zoonotic Diseases, New England Journal of Medicine

Infrequent Reviewer (once a year): BMC Microbiology, PLoS Pathogens, Parasitology, Lancet, Environmental Health Perspectives, European Journal of Clinical Microbiology and Infectious Diseases, Scandinavian Journal of Infectious Diseases, Annals of Internal Medicine

Study Section

- 2013 Infectious Disease and Microbiology Fellowship (F13) Panel, NIH (5 proposals)
- 2012 Symbiosis and Defense panel, National Science Foundation (13 proposals)
- 2012 Ad Hoc Reviewer, Portugal Fundação para a Ciência e Tecnologia (1 proposal)
- 2010 Ad Hoc Reviewer, Vector Biology Study Section, NIAID/NIH (8 proposals)
- 2009 Special Emphasis Panel, COBRE/INBRE Program, NIH/NCRR (6 proposals)
- 2009 Ad Hoc Reviewer, Israel Science Foundation (1 proposal)
- 2008 Special Emphasis Panel, Cooperative Research Partnerships for Biodefense, NIAID/NIH (3 proposals)
- 2007 Ad Hoc Reviewer, Biological Research Collections Program, NSF (1 proposal)
- 2007 Ad Hoc Reviewer, National Research Foundation of South Africa (1 proposal)
- 2005 Ad Hoc Reviewer, Vector Biology Study Section, NIAID/NIH (1 proposal)
- 2004 Ad Hoc Reviewer, Intramural Research Program, Uniformed Services University of Health Sciences (1 proposal)
- 2004 West Nile Virus Special Emphasis Panel, Centers for Disease Control (7 proposals)
- 2004 Special Emphasis Panel, Underrepresented Minority Scientist Competition, NIAID/NIH (5 proposals)
- 2004 Ad Hoc Reviewer, American Kennel Club (1 proposal)
- 2004-2006 Ad Hoc Reviewer, U.S. Civilian Research and Development Foundation, U.S. State Department (1 proposal each year)
- 2003 Special Emphasis Panel, Biodefense & Emerging Infectious Diseases, NIAID/NIH (1 program project proposal)
- 2003-2004 Ad hoc reviewer, Infection and Immunity Programme, Wellcome Institute, UK (1 proposal each year)
- 2003 Ad hoc reviewer, Integrative Biology, NSF (1 proposal)
- 2003 Ad hoc reviewer, American Kennel Club (1 proposal)

- 2002 Special Emphasis Panel, Partnerships in Therapeutics/Diagnostics, Fogarty/NIH (8 proposals)
- 2001, 2003, 2006 Ecology of Infectious Diseases Study Section, Fogarty/NSF/NIH (5-16 proposals each meeting)
- 1997 Special Emphasis Panel, Tropical Medicine and Parasitology, NIAID/NIH (4 proposals)
- 1997 Ad Hoc Reviewer, Special Grants, NIDDK/NIAID (1 proposal)

Other

- American Society of Tropical Medicine and Hygiene, Scientific Program Committee, 1995- present
- Tickborne Disease Advisory Board, Massachusetts Dept of Public Health 2003-present
- Local Organizing Committee, International Conference on Diseases in Nature Communicable to Man, Beverly MA, Sept 2004
- Tick Advisory Panel, Nantucket Island 2005-2008
- Tick Advisory Panel, Martha's Vineyard 2005-2008; 2010-
- External Advisory Committee, Boston University National Emerging Infectious Disease Laboratory 2004-2007
- Institutional Biosafety Committee, Acambis/Sanofi Pasteur, Cambridge MA 2006- present
- Organizing Committee, 5th International Conference on Tularemia, 2006
- Reviewer, Tularemia Guidelines, World Health Organization, 2006
- Reviewer, "Materials Collection Guide, Francisella tularensis", Noblis/Defense Intelligence Agency, U.S. Dept of Defense, 2007
- Program Committee, 5th International Conference on Rickettsiology and Rickettsial Diseases, 2008
- Scientific Program Committee, 6th International Conference on Tularemia, 2009
- Commonwealth of Massachusetts, Special Commission to Conduct an Investigation and Study of the Incidence and Impacts of Lyme Disease, 2012
- Co-chair, Environmental Committee, Martha's Vineyard Tick Borne Disease Initiative, 2011-

2. Within University

A. University:

- Institutional Biosafety Committee, Tufts-NEMC 2005-2008
- Tufts T10 Strategic Plan, Globalization Committee, 2012

B. School:

- Advanced Education Committee, 2004-2005; 2011-
- Faculty Council, 2004-2005
- International Veterinary Medicine, 2004-2006
- Faculty Grievance 2005-2006
- Advancements and Promotions 2007-present; Chair, 2013
- Graduate Studies Committee, 2005-2006

Tufts-Grafton Liaison Committee, 2006
NE Regional Biocontainment Laboratory Planning Committee,
2006-2008
Institutional Biosafety Committee, Grafton campus 2007-present

C. Department:

Search Committee, Assistant Professor of Biomedical Sciences,
2005
Search Committee, RBL Faculty 2008-2009
Search Committee (Chair), IDGH International Health Faculty,
2013

D. Hospital: none

XVII. Consultantships

2011 Consultant, National Emerging Infectious Diseases Laboratory, Boston University
2011-present Subject Specialist, USAID RESPOND
2010-present, Consultant, Meridian Bioscience
2010-present Scientific Advisor, Immunetics, Inc.
2008-present, Scientific Advisor, Connecticut Coalition to Eradicate Lyme Disease
2007-present, Consultant, Tickborne Disease biology, Merial Inc.
2007, Consultant, Binax Inc.
2004- present Consultant, Fuller Laboratories, Inc.
2004 Consultant, BBI Biotech
2003-2004, Reference Malaria Microscopist, NIH Malaria Research Repository, Hydas
Inc.
1999-present, Senior Research Scientist, Imugen, Norwood MA
1998-present, Consultant, Tickborne disease diagnostics, Immunetics, Cambridge MA
1997, Consultant, Tickborne Diseases, Saatchi&Saatchi Business Communications
1993-1998, Consultant, Lyme Disease Vaccine Program, SmithKline Beecham
Biologicals, Rixensart Belgium
1988-1992 Consultant, Tropical Disease Diagnostics, Becton-Dickinson Company

XVIII. Research Interests

Ecology and epidemiology of vector-borne infections, particularly those transmitted by ticks; vector-pathogen interactions; wildlife parasitology; biosafety and biodefense; public health interventions

XIX. Research Support

1. 1992-1993

Principal Investigator, 20% effort
SmithKline Beecham Pharmaceuticals
Prevalence of Lyme disease in prospective Phase II trial sites
\$25,000 direct costs

2. 1993-1994

Coinvestigator, 50% effort

- (PI, Andrew Spielman, Harvard School of Public Health)
SmithKline Beecham Pharmaceuticals
A Phase II trial for a candidate Lyme disease vaccine
\$250,000 direct costs
3. 1994-1996
Principal Investigator, 10% effort
Gibson Island Corporation
Epidemiology of tickborne disease in coastal Maryland
\$25,000 direct costs
4. 1995-2000
Principal Investigator, 50% effort
National Institutes of Allergy and Infectious Diseases
Reservoir immunity in Lyme disease vector competence (R29 AI 37993)
\$350,000 direct costs
5. 1999-2000
Consultant, 5% effort
(PI, Jeffrey Gelfand, Tufts-NEMC)
National Institutes of Aging
Babesiosis as a paradigm for aging (R03 AG018076)
\$5,000 direct costs
6. 1996-2001
Principal Investigator
National Institutes of Allergy and Infectious Diseases
Transmission of human granulocytic ehrlichiosis (RO1 AI 39002)
\$988,445 direct costs
7. 1999-2002
Consultant, 10% effort
(PI Chansuda Wongsrichanalai, AFRIMS Bangkok)
United States Army Medical Research Institute
Fever in northern Thailand border villages
\$25,000 direct costs
8. 1997-2003
Subcontract Project Director, 10% effort
(PI Erol Fikrig, Yale University)
National Institutes of Allergy and Infectious Diseases
Immunopathogenesis of human granulocytic ehrlichiosis (RO1 AI 41440)
\$45,588 direct costs
9. 1999-2003
Co-investigator, 2% effort

- (PI Joseph Cook, Idaho State University)
National Science Foundation
The Beringian co-evolution project: mammals and associated parasites (NSF
DEB 9981915)
\$5,000 direct costs
10. 2001-2005
Consultant, 5% effort
(PI Yasuko Rikihisa, Ohio State University)
National Institutes of Allergy and Infectious Diseases
Surface antigen gene expression by HGE agent (RO1 AI 47407)
\$25,000 direct costs
11. 2001-2004
Principal Investigator
Centers for Disease Control and Prevention
Perpetuation of Borrelia lonestari (U50/CCU119560)
\$117,384 direct costs
12. 2003-2005
Principal Investigator, 40% effort
National Institutes of Allergy and Infectious Diseases
Proximal determinants of risk for tularemia (R21 AI 53411)
\$300,000 direct costs
13. 2003-2004
Principal Investigator, 5% effort
Intramural Seed Grant, TUSVM
Competitive exclusion of Francisella tularensis by dog tick endosymbionts
\$10,000 direct costs
14. 2002-2006
Subcontract Principal Investigator, 15% effort
(PI Henry Wortis, Tufts U. School of Medicine)
National Institutes of Aging
Babesiosis as a paradigm of aging (RO1 AG 19871)
\$80,000 direct costs
15. 2003-2006
Subcontract Principal Investigator, 15% effort
(PI Linden Hu, Tufts-NEMC)
National Institutes of Allergy and Infectious Diseases
A murine vaccine for Lyme disease (UO1 AI058266)
\$90,000 direct costs
16. 2004-2008
Subcontract Principal Investigator, 15% effort

- NIAID Food and Waterborne Diseases Integrated Research Network
 Microbiology Research Unit (Director, Saul Tzipori, TUSVM)
Sensitive detection of tularemia in clinical samples (NO1 AI30050)
 \$180,000 direct costs
17. 2005
 Principal Investigator, 2% effort
 Los Alamos National Laboratories
Biowatch monitoring, Martha's Vineyard
 \$5,000 direct costs
18. 2006-2007
 Subcontract Principal Investigator, 10% effort
 (PI Bertrand Lemieux/Shuqi Chen, Iquum Inc.)
 National Institutes of Allergy and Infectious Diseases
Closed-tube nucleic acid diagnostic system for use at sentinel laboratories of the
LRN
 (UC1 AI067159)
 \$70,000 direct costs
19. 2006-2011
 Principal Investigator, 35% effort
 National Institutes of Allergy and Infectious Diseases
Perpetuation of Francisella tularensis (RO1 AI 064218)
 \$1,250,000 direct costs
20. 2008-2010
 Subcontract Director, 10% effort
 (PI Linden Hu, Tufts-NEMC)
 National Institutes of Allergy and Infectious Diseases, SBIR/STTR
Delivery system development for a reservoir targeted Lyme disease vaccine
 (R41AI078631)
 \$30,000 direct costs
21. 2007-2010
 Principal Investigator, 5% effort
 Evelyn Lilly Lutz Foundation
Nontarget effects of ultralow volume insecticidal spraying for EEE vectors.
 \$60,000 direct costs
22. 2009-2010
 Principal Investigator, 10% effort
 Massachusetts Department of Agricultural Resources
General Environmental Impact Report for Mosquito Control in Massachusetts
 \$50,000 direct costs
23. 2009-2011

- Subcontract Director, 10% effort
 (PI Linden Hu, Tufts-NEMC)
 National Institutes of Allergy and Infectious Diseases
Xenodiagnosis for Lyme disease (R21 AI082436)
 \$20,000 direct costs
24. 2009-2011
 Subcontract Director, 10% effort
 (PI Linden Hu, Tufts-NEMC)
 National Institutes of Allergy and Infectious Diseases
Recognition of host catecholamines in Borrelia burgdorferi gene regulation (R01 AI 071107)
 \$15,000 direct costs
25. 2009-2011
 Subcontract director, 10% effort
 (PI Linden Hu, Tufts-NEMC)
 National Institute of Allergy and Infectious Diseases
Development of a multivalent vaccine for mouse reservoirs of deer tick pathogens
 (R01 AI068799)
 \$20,000 direct costs
26. 2012-2015
 Principal Investigator, 5% effort
 Evelyn Lilly Lutz Foundation
“Increased risk of EEE transmission: an unintended consequence of EPA mandated stormwater runoff management?”
 \$60,000 direct costs
27. 2011-2016
 Principal Investigator, 5% effort
 Martha’s Vineyard All Island Board of Health
“Tickborne Disease Initiative”
 \$50,000 direct costs
28. 2012-2015
 Subcontract Director, 15% effort
 (Principal Investigator, Foodsource Lures, Inc. and Linden Hu, Tufts Medical Center)
 National Institute of Allergy and Infectious Diseases STTR R41AI078631-04
“Delivery system development for a reservoir targeted Lyme disease vaccine”
 \$649,199 direct costs
30. 2013-2014
 Principal Investigator, 5% effort
 Dorothy Harrison Egan Foundation

“Transmission blocking vaccine for reducing enzootic transmission of *Babesia microti*”

\$20,000 direct costs

XX. Donations (Equipment and Materials): None

XXI. Publications

1. Refereed Journals

1. Telford SR III. Notes on *Agkistrodon himalayanus* from Pakistan's Kaghan Valley. *Copeia* 1980; 1:154-155.
2. Piesman J, Mather TN, Telford SR III, Spielman A. Concurrent *Borrelia burgdorferi* and *Babesia microti* infection in nymphal *Ixodes dammini*. *J. Clin. Microbiol.* 1986; 24:446-447.
3. Piesman J, Mather TN, Dammin GJ, Telford SR III, Lastavica CC, Spielman A. Seasonal variation of risk of infection by *Borrelia burgdorferi* and *Babesia microti*. *Am. J. Epidemiol.* 1987; 126:1187-1189.
4. Telford SR III, Mather TN, Moore SI, Wilson ML, Spielman A. Incompetence of deer as reservoirs of the Lyme disease spirochete. *Am. J. Trop. Med. Hyg.* 1988; 39:105-109.
5. Wilson ML, Telford SR III, Piesman J, Spielman A. Reduced abundance of immature *Ixodes dammini* (Acari: Ixodidae) following elimination of deer. *J. Med. Entomol.* 1988; 25:224-228.
6. Mather TN, Telford SR III, MacLachlan AB, Spielman A. Incompetence of catbirds as reservoirs of the Lyme disease spirochete. *J. Parasitol.* 1989; 75:66-69.
7. Telford SR III, Spielman A. Competence of a rabbit-feeding *Ixodes* (Acari:Ixodidae) as a vector of the Lyme disease spirochete. *J. Med. Entomol.* 1989; 26:118-121.
8. Zung JL, Lewengrub S, Rudzinska MA, Spielman A, Telford SR III, Piesman J. Fine structural evidence for the penetration of the Lyme disease spirochete *Borrelia burgdorferi* through the gut tissues and salivary glands in *Ixodes dammini*. *Can. J. Zool.* 1989; 67:1737-1748.
9. Telford SR III, Spielman A. Enzootic transmission of the agent of Lyme disease in rabbits. *Am. J. Trop. Med. Hyg.* 1989; 41:482-490.

10. Persing DH, Telford SR III, Spielman A, Barthold SW. Use of the polymerase chain reaction to detect *Borrelia burgdorferi* infection in *Ixodes dammini* ticks. *J. Clin. Microbiol.* 1989;28:566-572.
11. Mather TN, Telford SR III, Moore SI, Spielman A. *Borrelia burgdorferi* and *Babesia microti*: efficiency of transmission from reservoirs to vector ticks (*Ixodes dammini*). *Exp. Parasitol.* 1990; 70:55-61.
12. Ribeiro JMC, Weis J, Telford SR III. Saliva of the tick *Ixodes dammini* inhibits neutrophil function. *Exp. Parasitol.* 1990; 70:382-388
13. Telford SR III, Mather TN, Adler GH, Spielman A. Short-tailed shrews as reservoirs of the agents of Lyme disease and human babesiosis. *J. Parasitol.* 1990; 76:681-683.
14. Persing DH, Telford SR III, Rhys PN, Dodge DE, White TJ, Malawista SE, Spielman A. Detection of *Borrelia burgdorferi* DNA in museum specimens of *Ixodes dammini* ticks. *Science* 1990; 249:1420-1423.
15. Krause PJ, Telford SR III, Ryan R, Hurta AB, Kwasnik I, Luger S, Niederman J, Gerber M, Spielman A. Geographical and temporal distribution of babesial infection in Connecticut. *J. Clin. Microbiol.* 1991; 29:1-4.
16. Mather TN, Telford SR III, Adler GH. Absence of transplacental transmission of Lyme disease spirochetes from reservoir mice (*Peromyscus leucopus*) to their offspring. *J. Infect. Dis.* 1991; 164:564-567.
17. Pollack RJ, Telford SR III, Spielman A. Rectal infusion and aspiration of material from the guts of ixodid ticks. *J. Med. Entomol.* 1991; 28:809-815.
18. Eberhard ML, Telford SR III, Spielman A. Report of a *Brugia* sp. in rabbits from northeastern North America. *J. Parasitol.* 1991; 77:796-798.
19. Conrad PA, Thomford J, Marsh A, Telford SR III, Anderson J, Spielman A, Sabin EA, Yamane I, Persing DH. Ribosomal DNA probe used to differentiate *Babesia microti* and *B. gibsoni* isolates. *J. Clin. Microbiol.* 1992; 30:1210-1215.
20. Krause PJ, Telford SR III, Pollack RJ, Ryan R, Zemel L, Brassard P, Spielman A. Babesiosis -- an underdiagnosed disease of children. *Pediatrics* 1992; 89:1045-1048.
21. Telford SR III, Urioste SS, Spielman A. Clustering of host-seeking nymphal deer ticks (*Ixodes dammini*) infected by Lyme disease spirochetes. *Am. J. Trop. Med. Hyg.* 1992; 47:55-60.

22. Adler GH, Telford SR III, Wilson ML, Spielman A. Vegetation structure influences the burden of immature *Ixodes dammini* on *Peromyscus leucopus*. *Parasitology* 1992; 105:105-110.
23. Fikrig E*, Telford SR III*, Barthold SW, Kantor F, Spielman A, Flavell RA. Elimination of Lyme disease spirochetes from vector ticks feeding on Osp-A immunised mice. *Proc. Nat. Acad. Sci. (USA)* 1992; 89:5418-5421. (* equal contribution)
24. Shih CM, Pollack RJ, Telford SR III, Spielman A. Protection of mice against Lyme disease infection by ear punch biopsy. *J. Infect. Dis.* 1992; 166:827-831.
25. Persing DH, Mathieson D, Marshall WF, Telford SR III, Spielman A, Thomford J, Conrad PA. Detection of *Babesia microti* by polymerase chain reaction. *J. Clin. Microbiol.* 1992; 30:2097-2103.
26. Telford SR III, Spielman A. Reservoir competence of white footed mice for *Babesia microti*. *J. Med. Entomol.* 1993; 30:223-227.
27. Pollack RJ, Telford SR III, Spielman A. Standardisation of a complex medium for the growth of *Borrelia burgdorferi*. *J. Clin. Microbiol.* 1993; 31:1251-1255
28. Shih CM, Telford SR III, Pollack RJ, Spielman A. Rapid dissemination by the agent of Lyme disease in hosts that permit fulminating infection. *Infect. Immun.* 1993; 61:2396-2399.
29. Smith RP, Rand PW, LaCombe E, Telford SR III, Rich SM, Piesman J, Spielman A. Norway rats as reservoirs for Lyme disease spirochetes on Monhegan Island, Maine. *J. Infect. Dis.* 1993; 168:687-691.
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145. Conrad PA, Kjemtrup AM, Carreno RA, Thomford J, Wainwright K, Eberhard M, Quick R, Telford SR 3rd, Herwaldt BL. Description of *Babesia duncani* n.sp. (Apicomplexa: Babesiidae) from humans and its differentiation from other piroplasms. *Int J Parasitol.* 2006;36:779-89
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149. Carroll J, Dey D, Kreisman L, Velupillai P, Dahl J, Telford S, Bronson R, Benjamin T. Receptor-binding and oncogenic properties of polyoma viruses isolated from feral mice. *PLoS Pathogens* 2007; 3:e179
150. Krause PJ, Daily J, Telford SR, Vannier E, Lantos P, Spielman A. Shared features in the pathobiology of babesiosis and malaria. *Trends Parasitol.* 2007;23:605-610
151. Krause PJ, Gewurz BE, Hill D, Marty FM, Vannier E, Foppa IM, Furman RR, Neuhaus E, Skowron G, Gupta S, McCalla C, Pesanti EL, Young M, Heiman D, Hsue G, Gelfand JA, Wormser GP, Dickason J, Bia FJ, Hartman B, Telford SR 3rd, Christianson D, Dardick K, Coleman M, Giroto JE, Spielman A. Persistent and relapsing babesiosis in immunocompromised patients. *Clin Infect Dis.* 2008;46:370-376.
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153. Goethert HK, Telford SR. Nonrandom distribution of dog ticks (*Dermacentor variabilis*) infected by *Francisella tularensis*. *PLoS Pathogens* 2009; 5:e1000319.
154. Berrada ZL, Telford SR. Diversity of *Francisella* species in environmental samples from Martha's Vineyard, Massachusetts. *Microb Ecol.* 2009 Aug 12. [Epub ahead of print]PMID: 19669828
155. Goethert HK, Saviet B, Telford SR. Metapopulation structure for perpetuation of *Francisella tularensis tularensis*. *BMC Microbiol.* 2009;9:147.
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157. Telford, SR, Wormser G. *Bartonella* spp. transmission by ticks not established. *Emerg Infect Dis.* 2010; 16:379-384
158. Goethert HK, Telford SR. Quantum of infection of *Francisella tularensis tularensis* in host seeking *Dermacentor variabilis*. *Ticks and Tickborne Diseases* 2010; 1:66-68

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166. Bhattacharya D, Bensaci M, Luker KE, Luker G, Wisdom S, Telford SR, Hu LT. Development of a baited oral vaccine for use in reservoir-targeted strategies against Lyme disease. *Vaccine*. 2011;29:7818-7825.
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170. Hu JM, Wang CC, Chao LL, Lee CS, Shih CM, Telford SR. First report of furuncular myiasis caused by the larva of botfly, *Dermatobia hominis*, in a Taiwanese traveler. *Asian Pac J Trop Biomed*. 2013;3:229-31. doi: 10.1016/S2221-1691(13)60056-8. PMID: 23620844

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2. Nonrefereed Journals:

1. Telford SR. Lyme disease. *Wards Natural Science Bulletin*, 1989.

3. Chapters in textbooks

1. Telford SR III, Pollack RJ, Spielman A. Emerging vector-borne infections. pp. 7-17 in *Infectious Disease Clinics of North America*, Weinberg AN, Weber D eds. W.B. Saunders Company, New York, 1990.

2. Telford SR III, Gorenflot A, Brasseur P, Spielman A. Babesial infections of humans and wildlife. pp. 1-47. In *Parasitic Protozoa, Volume 5, 2nd edition*, Kreier JP, Baker JR eds. Academic Press, New York, 1993.

3. Telford SR III. Deer reduction and the control of *Ixodes dammini* populations. pp 164-167 In *Ecology and Management of Lyme Disease*, Ginsburg H, ed. Rutgers University Press, New Brunswick, NJ 1993

4. Spielman A, Telford SR III, Pollack RJ. The origins and course of the outbreak of Lyme disease. pp 83-96 In *Ecology and Management of Lyme Disease*, Ginsburg H, ed. Rutgers University Press, New Brunswick, NJ 1993

5. Telford SR III, Fikrig E. Progress towards a vaccine for Lyme disease. *Clin. Immunotherapeutics* 1995; 4:49-60

6. Telford SR III, Dawson JE, Halupka KC. Emergence of tick-borne diseases. *Science and Medicine* 1997; 4:24-33

7. Krause PJ, Telford SR III. Emerging tickborne zoonoses: Lyme disease, babesiosis, human granulocytic ehrlichiosis. *Sem. Ped. Infect. Dis*. 1997; 8: 1-11.

8. Krause PJ, Telford SR III. Human babesiosis. pp. 236-248 in *Kass Handbook of Infectious Diseases. Protozoal Infections*. ed. HM Gilles. Chapman and Hall, London, UK, 1999

9. Telford SR III, Spielman A. Babesiosis in humans. Pp. 349-359 in *Topley and Wilson's Microbiology and Microbial Infections, Ninth Edition. Volume 5, Parasitology*, eds. FEG Cox, JP Kreier, and D Wakelin. Edward Arnold Publications, London, UK, 1997.
10. Telford SR III, Maguire JH. Babesiosis. pp. 767-773 in *Tropical Infectious Diseases: Principles, Pathogens, and Practice*, Volume I, eds. RL Guerrant, DH Walker, and PF Weller. Churchill Livingstone, London, UK, 1999.
11. Telford SR III, Foppa I. Tickborne encephalitides. pp. 93-213 in *Tickborne Infectious Diseases*, ed. Cunha BA. Marcel Dekker, Inc., New York, 2000.
12. Homer MJ, Aguilar-Delfin I, Telford SR III, Krause PJ, Persing DH. Babesiosis. *Clin. Microbiol. Rev.* 2000; 13:451-469.
13. Telford SR III. Deer tick transmitted zoonoses in the eastern United States. Pp. 310-324 in *Conservation Medicine: Ecological Health in Practice*, eds. Aguirre A, Ostfeld RS, Tabor GM, House C, Pearl MC. Oxford University Press, NY, 2002. 407 pp.
14. Spielman A, Pollack RJ, Kiszewski AE, Telford SR III. Issues in public health entomology. *Vector Borne and Zoonotic Diseases* 2001; 1:3-19.
15. Telford SR III, Krause PJ. Human ehrlichiosis. Pp. 359-362 In *Pediatric Infectious Diseases, Principles and Practice Second Edition*, editors Jenson HB, Baltimore RS. W.B. Saunders Company, Philadelphia, 2002
16. Telford SR, Maguire JH. Babesiosis. Pp. 1063-1071 in *Tropical Infectious Diseases*, 2nd edition, eds. Guerrant RL, Walker DH, Weller PF. Churchill Livingstone, 2006.
17. Telford SR III, Spielman A. Human babesiosis. pp. 451-463 in *Topley and Wilson's Microbiology and Microbial Infections: Parasitology*, 10th edition, Cox FEG, Wakelin D, Gillespie SH, Despois DD. Hodder Arnold: London, 2005
18. Spielman A, Krause PJ, Telford SR III. Institutional responses to the emergence of Lyme disease and its companion infections in North America: a public health perspective. Pp 291-312 in Packard RM, Brown PJ, Berkelman RL, Frumkin H. *Emerging Illnesses and Society: Negotiating the Public Health Agenda*. Johns Hopkins University Press 2004, 420 pp.
19. Telford SR III. Arthropods of medical importance. Pp. 2199-2218 in *Manual of Clinical Microbiology*, 9th edition, eds. Murray PR, Baron EJ, Jorgenson JH, Landry ML, Pfaller MA. ASM Press, Washington, D.C. 2007
20. Telford SR III, Parola P, Houhamdi L. Arthropods and rickettsiae. Pp. 27-36 in *Rickettsial Diseases* eds. Raoult D, Parola P. Informa Healthcare, NY, 2007.

21. Telford SR III. Clinically relevant arthropods. Pp. 250-259 in *Medical Parasitology*, eds. Satoskar AR, Simon G, Hotez P, Tsuji M, Landes Bioscience Press, 2009
22. Telford SR III, Goethert HK. Emerging and emergent tickborne infections. Pp 344-376 in *Ticks: Biology, Disease, and Control*. eds. Chappell LH, Bowman AS, Nuttall PA, Cambridge University Press, 2008
23. Matyas B, Nieder H, Telford SR. 2007. Pneumonic tularemia on Martha's Vineyard: clinical, epidemiologic and ecological characteristics. In *Francisella tularensis: a Biodefense Concern in the Third Millennium*, eds. Abu-Kwaik Y, Metzger D, Nano F, Sjostedt A, Titball R. *Ann NY Acad Sciences* 1105:351-377.
24. Telford SR, Ebel GD. West Nile disease. *International Encyclopedia of Public Health*, First Edition, 2008; 6:571-579.
25. Telford SR, Weller PF, Maguire JH. Babesiosis. in *Tropical Infectious Diseases*, 3rd edition, eds. Guerrant RL, Walker DH, Weller PF. Churchill Livingstone, in press
26. Telford SR III. Arthropods of medical importance. in *Manual of Clinical Microbiology*, 10th edition, eds. Murray PR, Baron EJ, Jorgenson JH, Landry ML, Pfaller MA. ASM Press, Washington, D.C., in press
27. Telford SR III, Krause PJ. Babesiosis and miscellaneous protozoal infections. in *Cecil Medicine*, 24th edition, eds. Goldman L, Shafer AI. Elsevier Press, NY, in press
28. Paddock CD, Telford SR. Through the glass, darkly: the global incidence of tick borne disease. In *Critical Needs and Gaps in Understanding Prevention, Amelioration, and Resolution of Lyme and Other Tick-Borne Diseases: The Short-Term and Long-Term Outcomes: Workshop Report*, 2011, Institute of Medicine, National Academy of Sciences USA
29. Telford SR, Goethert HK. Towards an understanding of the perpetuation of *Francisella tularensis*. *Frontiers in Microbiology* 2011; 1:150

4. Books authored or edited: None

5. Book reviews

1. Telford SR III. Book review: *Biology of Ticks, Volume II*. *Amer Zool* 1994; 34:587
2. Telford SR III. Book review: *Biology of Disease Vectors*, 2nd edition. *Clin Infect Dis* 2005; 41:1692-1693
3. Telford SR III. Book review: *Tickborne Diseases of Humans*. *Am J Trop Med Hyg*, 2006;75:572

6. Abstracts, proceedings and letters to the editor

1. Telford SR III. Goldschmidt reaffirmed: a positive step towards a New Synthesis? *Evolutionary Theory* 1983; 1:52
2. Fikrig E, Barthold SW, Sears JW, Telford SR III, Spielman A, Kantor FS, Flavell RA. A recombinant vaccine for Lyme disease. pp. 263-282. In *Lyme Disease: Molecular and Immunologic Approaches*, Schutzer SE, ed. Cold Spring Harbor Laboratory Press, NY 1992.
3. Telford SR III, Spielman A. Enzootic transmission of *Babesia microti*. pp. 259-264. In *Tick Borne Pathogens at the Host-Vector Interface*, Munderloh U, Kurtti TJ, eds. University of Minnesota College of Agriculture, St. Paul, MN 1992.
4. Telford SR III, Spielman A. Epidemic transmission of the agent of Lyme disease: predictions for the southeastern United States. pp. 9-10. In *Proceedings of the First Southeastern Lyme Disease Workshop*, Snoddy EL, Smith-Rives E, Bloemer SR, Cooney JC, eds. Tennessee Valley Authority, TN 1992.
5. Telford SR III, Spielman A. Reservoir immunity and vector competence. pp. 271-276. In *Host-Regulated Developmental Mechanisms in Vector Arthropods*, Vol. III, Borovsky D, Spielman A, eds. University of Florida/IFAS, Vero Beach, FL 1993
6. Flavell RA, Telford SR III, Barthold SW, Kantor F, Spielman A, Fikrig E. Protective immunity in Lyme disease. pp. 101-106, in *Advances in Lyme Borreliosis Research*, eds. R Cevenini, V Sambri, and M LaPlaca. The University of Bologna Press, Bologna, Italy 1994
7. Krause PJ, Telford SR III, Pollack RJ, Christianson D, Brassard P, Ryan RW, Burke G, Spielman A. Lyme disease and babesiosis coinfection in humans. pp. 159-162, in *Advances in Lyme Borreliosis Research*, eds. R Cevenini, V Sambri, and M LaPlaca. The University of Bologna Press, Bologna, Italy 1994
8. Telford SR III, Song JW, Yanagihara R. More on hantavirus in New England and New York. *N. Engl. J. Med.* 1995; 332:337 (Letter)
9. Krause PJ, Telford SR III, Ryan RW, Conrad PA, Wilson M, Thomford J, Spielman A. The predictive value of a serologic test for the detection of *Babesia microti* antibody -- a reply. *J. Infect. Dis.* 1995; 171:505-506 (Letter)
10. Armstrong PM, Rich SM, Smith RD, Hartl DL, Spielman A, Telford SR III. A new *Borrelia* infecting Lone Star ticks. *Lancet* 1996; 347:67-68 (Letter)
11. Telford SR III, Dawson JE. Diagnosing ehrlichiosis. *Ann. Int. Med.* 1996; 124:854 (Letter)

12. Telford SR III. Community of veterinary and zoonotic pathogens in deer ticks. *Comp. Cont. Educ. Pract. Vet.* 1997; 19(Suppl.10):24-27
13. Telford SR III. Risk for acquiring granulocytic ehrlichiosis: exposure to deer blood or deer ticks? *Clin. Infect. Dis.* 1997; 24:531-532 (Letter)
14. Telford SR III. Use of *Ixodes dammini* is epidemiologically justified. *Emerg. Infect. Dis.* 1998; 4:132-133 (Letter)
15. Pantanowitz L, Telford SR, Cannon ME. The impact of babesiosis on transfusion medicine. *Transfusion Medicine Reviews* 2002; 16:131-143
16. Pantanowitz L, Telford SR, Cannon ME. 2002. Tick-borne diseases in transfusion medicine *Transfusion Medicine* 2002; 12:85-106
17. Pantanowitz L., Aufranc S., Monahan-Early R, Dvorak A, Telford SR III. Morphologic hallmarks of Babesia. *Transfusion* 42:1389, 2002.
18. Goethert HK, Telford SR. Tularemia, lawn mowers, and rabbit nests (letter). *J. Clin. Microbiol.* 2005; 43:4304-4305
19. Telford SR. Status of the "East side hypothesis" (transovarial interference) 25 years later. *Ann NY Acad Sci*, 2009; 1166:144-150.
20. Berrada ZL, Telford SR. Burden of tick-borne infections on American companion animals. *Topics in Companion Animal Medicine* 2010; 24:175-181.

7. Technical reports

1. Telford SR, Grant A. 2nd Update to the Generic Environmental Impact Report, Mosquito Control in Massachusetts, Dept. of Agricultural Resources, Commonwealth of Massachusetts 2009. 45 pages, 13 appendices

8. Electronic equivalent

1. Telford SR. Tularemia -- air sensor detection. ProMed, October 6 2005.
2. Telford SR, Pollack RJ, Kiszewski A. Andrew Spielman 1930-2006: Public health entomologist, public health worker, mentor. ProMed, 10 January 2007

9. Miscellaneous:

1. Telford SR. Reducing deer ticks on Nantucket: a public health perspective. *Nantucket Inquirer and Mirror*, March 3 2005
2. Telford SR. Deer reduction and Lyme disease risk. *Nantucket Inquirer and Mirror*, March 9 2005.
3. Telford SR. Reject Article 45. *Grafton News*, May 4 2005
3. Telford SR. Without doubt, deer are the chief culprits. *Martha's Vineyard Times*, October 13 2005.

4. Telford SR. You can lead a horse to water... Nantucket Inquirer and Mirror, November 17 2005
5. Telford SR. Written testimony, Committee on Environment, Connecticut State Legislature: support for HB 5852, An Act Concerning Control of Lyme disease.
6. Telford SR. A Model Initiative Against Lyme Disease, Martha's Vineyard Gazette, Op-Ed, July 12, 2012

XXII. Invited Presentations (since September 2002).

1. International

Invited lecture, National Defense Medical Center, Taipei Taiwan, November 2002.

Invited lecture, Ministry of Health, Jakarta Indonesia, February 2004

Invited Speaker, Society of Tropical Veterinary Medicine, June 26-July 1 2005, Hanoi Vietnam (paper was read on my behalf).

Invited Speaker, International Congress of Parasitology, August 2006, Glasgow, UK; (Chair of session on Biology of ticks.)

Invited Speaker, 5th International Conference on Rickettsiology and Rickettsial Diseases, Marseille France, June 2008

Invited Speaker, 6th International Conference on Tularemia, Berlin Germany, September 2009

Invited Speaker and Participant, NIAID Conference on Emerging and reemergent diseases in Central Europe, Sofia, Bulgaria, September 2009.

2. National

Invited lecture, Workshop on Bacterial Select Agents, Fogarty/NIH, February 2003, Bethesda MD

Invited lectures, Clinical Microbiology Workshop, Council for State and Territorial Epidemiologists, Hartford CT, May 2003

Invited Speaker, NIAID Tularemia Workshop, Hamilton MT Sept. 2004

Invited Speaker, International Conference on Diseases in Nature Communicable to Man, Beverly MA, Sept 2004

Invited Speaker, Ecology of Zoonotic Infections Symposium, American Society of Tropical Medicine and Hygiene, Miami FL, November 2004

Invited Speaker, Tularemia Symposium, American Society of Tropical Medicine and Hygiene, Miami FL, November 2004

Invited Speaker, National Laboratory Training Network, Centers for Disease Control, Wellesley MA March 2005

Invited Speaker, NIAID Tularemia Workshop, Jiminy Peak MA, Sept. 2005

Invited Speaker, 5th International Conference on Tularemia, Woods Hole, MA, November 2006

Invited Speaker, Vectors in the Pathogenesis of Emerging Bacterial Zoonoses Symposium. American Society of Tropical Medicine and Hygiene, Philadelphia PA, November 2007.

Invited Speaker, Andrew Spielman Memorial Symposium, American Committee on Medical Entomology. (also, Symposium Organizer and session co-chair). American Society of Tropical Medicine and Hygiene, Philadelphia PA, November 2007.

Invited Speaker, Northeast Branch Wildlife Society of America, Millers Falls, MA, March 2007

Invited Speaker, Emergency Preparedness and Biodefense Study Group, NIH, Bethesda MD, May 2007 (<http://videocast.nih.gov/Summary.asp?File=13806>)

Invited Speaker, Oral vaccination symposium, International Conference on Emerging Infectious Diseases, Atlanta GA, March 2008.

Invited Speaker and Participant, FDA Workshop on Transfusion-transmitted babesiosis, Bethesda MD, September 2008.

Invited Speaker, 44th Northeast Deer Technical Committee Meeting, Craigville MA , September 2008

Invited Speaker, Babesiosis: An emerging protozoal disease, American Society of Tropical Medicine and Hygiene, Washington DC, November 2009

Invited Speaker, American Society of Tropical Medicine and Hygiene, Nov 2012, Tick Borne Disease Symposium

3. State

Pathology Grand Rounds, University of New Mexico Health Sciences Center, February 2003

New York Medical College, Dept of Infectious Diseases Seminar Series, February 2004

University of Massachusetts Boston, Biology Dept Seminar Series, May 2004

Nantucket Rotary Club, July 2005

Prudence Island Housing Association, Sept 2005

Ohio State University Dept of Microbiology seminar series, April 2006

Lyme disease forum, Martha's Vineyard Hospital April 2006

South Shore Natural Science Center, Feb 2007

Wildlife Society of America, NE Branch meeting, March 2007

Worcester State College, Public Health Symposium, April 2007

Grand rounds, Martha's Vineyard Hospital, July 2007.

Medfield Board of Health, October 2008

Nantucket Board of Health, December 2008

University of Massachusetts Amherst Dept of Plant Sciences seminar series, April 2009

Central Massachusetts Mosquito Control Project, April 2009

Nantucket Tick Borne Disease Committee, June 2009

Grand rounds, Martha's Vineyard Hospital, July 2009

Boxboro Board of Health, September 2009

Harvard Board of Health, October 2009

Fairfield County CT, joint meeting of Reading and Newtown Boards of Health, November 2009

24th Annual Pediatric Conference, Danbury Hospital, Danbury CT, November 2009

University of Texas Medical Branch, Galveston TX, Experimental Pathology Colloquium, April 2010.

Stow BOH, Prevention of Lyme disease, May 13 2010

Natural Resources Conservation Services, USDA-MA service office annual meeting, June 15 2010

Nantucket Lyme Disease Panel Discussion, July 8 2010

Cuttyhunk Island Tick Committee, July 13 2010

Dover BOH, Prevention of Lyme disease, November 18 2010

Northeast Organic Farming Association, Newburyport MA, January 18, 2011

Brigham and Women's Hospital, Clinicopathologic Conference, March 3 2011

Immunetics Inc, Boston MA, Diagnosis of babesiosis. October 2012

iCubed Sixth Annual Vaccine Conference, Providence RI, Oct 2012, Bring Back the Lyme Vaccine

Cuttyhunk/Gosnold Board of Health, Prevention of Tick Borne Disease, June 2012

Walpole Board of Health, Prevention of Lyme disease, Oct 2012 (cable TV forum)

Grafton Board of Health, Mosquito Control, Oct 2012

Natick Board of Health, Public Forum, Prevention of Tick Borne Disease, Mar 2013

Brigham and Women's Hospital, Clinicopathologic Conference, Feb 2013, Diagnosis of tick borne infections

Weston Board of Health, Public Forum, Deer Management and Lyme disease, April 2013

Carlisle Board of Health, Public Forum, Prevention of Tick Borne Disease, April 2013

Holliston Board of Health, Prevention of Lyme disease. July 2013 (cable TV forum)

Grafton BOH, Prevention of mosquito borne infections, July 2013

Nantucket BOH, Update on tick borne disease reduction on Martha's Vineyard, February 2014

Tufts Medical Center, Grand Rounds, February 2014

4. Veterinary Associations: None.

5. In-house (University or School-wide):

TUSVM 25th Anniversary Lecture Series, Tufts-NEMC, April 2004

TUSVM, Center for Conservation Medicine, April 2005

TUSVM, Dept of Clinical Sciences Continuing Education Lecture, 2005

Work in progress, TCSVM Division of Infectious Diseases 2005, 2008

TCSVM, Office of Development and Alumni Relations, March 2008

TCSVM, Office of Development and Alumni Relations, July 2011

Tufts University Global Leadership Institute, EPIIC Symposium, Feb 2013, Biodefense panelist

TCSVM, Office of Development and Alumni Relations, Sept 2013