

**UNIVERSITY OF KANSAS SCHOOL OF MEDICINE
FACULTY CURRICULUM VITAE**

A. NAME: Rebecca Thayer Horvat**DEPARTMENT:** Pathology and Laboratory Medicine**B. PERSONAL DATA****Office address**

Pathology and Laboratory Medicine
Clinical Microbiology Laboratory
University of Kansas Medical Center
3901 Rainbow Blvd, Mail stop 3045
2017 Wahl Hall West
Kansas City, KS
66160-7410

Phone: (913) 588-1753
FAX: (913) 588-1777
e-mail: rhorvat@kumc.edu

C. EDUCATION:

Year	Degree	Institution
1982	B.A. (Biology/Chemistry)	Mid-America Nazarene College, Olathe, KS,
1987	Ph.D. (Microbiology)	University of Kansas Medical Center, Kansas City, KS

D. POSTGRADUATE EDUCATION:

1987-1990	Postdoctoral Fellow Department of Microbiology	American Cancer Society University of Kansas, Lawrence, KS
1990-1992	Clinical Pathology – Molecular Diagnostics Department of Pathology, University of Kansas	

E. APPOINTMENTS:

January 2005 to present	Assistant Laboratory Director	IBT Reference Laboratory Lenexa, KS
July 2003 to present	Associate Professor of Microbiology, Molecular Genetics and Immunology	University of Kansas Medical Center, Kansas City, KS
July 1998 to present	Associate Professor of Pathology and Laboratory Medicine	University of Kansas Medical Center, Kansas City, KS
September 1992 to July 1998	Assistant Professor of Pathology and Laboratory Medicine	University of Kansas Medical Center, Kansas City, KS
June 1995 to May 1997	Diagnostic Microbiology Consultant	Dwight D. Eisenhower Veterans Administration Medical Center, Leavenworth, KS
June 1992 to Present	Section Director, Microbiology, Virology and Immunology	Clinical Laboratories University of Kansas Hospital Kansas City, KS

F. PROFESSIONAL CERTIFICATION

Diplomat American Board of Medical Microbiology

Certificate of Qualification from New York State Department of Health as a Laboratory Director in the following categories: Bacteriology, Mycobacteriology, Parasitology, Diagnostic Immunology, Mycology and Virology.

G. PROFESSIONAL SOCIETIES AND AFFILIATIONS:

Year Joined	Organization	Office
1989 - 2001	American Association of Immunologists	Member
1992	American Society for Microbiology	Member
1992	Southwestern Association of Clinical Micro	Member
1992	Kansas City Area Society for Microbiology	Member
1993	Infectious Disease Society of America	Member
1994	Kansas City Infectious Disease Society	Member
1995	Association of Molecular Pathology	Member
1999	Sigma Xi KUMC Chapter	Member and President
1999	Sigma Xi KUMC Chapter	Member

H. HONORS AND AWARDS:

- Cystic Fibrosis Student Fellowship April-June 1984
- Biomedical Sciences Scholar Award August 1984-August 1985
- American Cancer Society Postdoctoral Fellowship Award October 1987- September 1990
- President of Sigma Xi KUMC chapter 1999-2000
- Vice-Chair of University of Kansas Medical School Faculty Council Sept 2000-Sept 2001
- Member of Advisory Committee for Kansas Forensic Epidemiology, Kansas Dept of Health and Environment, Jan 2004-present
- Editorial Book Review Group Chair for Microbiology, Doody Enterprises, Inc, 2006-present
- Reviewer - Journal of Immunology
- Reviewer - Journal of Endotoxin Research
- Reviewer - Immunology and Medical Microbiology
- Reviewer - Federation of European Microbiological Societies
- Reviewer - Applied Occupational and Environmental Hygiene
- Reviewer - Journal of Clinical Microbiology
- Reviewer - Emerging Infectious Disease
- Reviewer – Diagnostic Microbiology and Infectious Disease
- Reviewer – Journal of Clinical Virology

I. RESEARCH ACTIVITIES:**Grant support**

Previous grants:

- (1) **Title:** NSB Gram Negative Rod Identification
Source of support: bioMérieux Vitek, Inc.
Date: January 1996 - September 1996 **Amount:** \$9,585.00
- (2) **Title:** Vitek II Gram Negative Antibiotic Susceptibility Study
Source of support: bioMérieux Vitek, Inc.
Date: October 1996 - June 1997 **Amount:** \$16,306.00
- (3) **Title:** Postantibiotic Effect of β -lactam Antibiotics on Respiratory Isolates *H. influenzae*, *S. pneumoniae* and *M. catharralis* in vitro
Source of support: Abbott Laboratories
Date: May 1997 - April 1998 **Amount:** \$75,000
- (4) **Title:** NSB Gram Positive Cocci Identification
Source of support: bioMérieux Vitek, Inc.
Date: July 1997 - December 1997 **Amount:** \$11,916.00
- (5) **Title:** Molecular Investigation of *S. pneumoniae* Resistant to Penicillin
Source of support: Roche Laboratories
Date: September 1997 - December 1998 **Amount:** \$25,000
- (6) **Title:** Field Trial for the Vitek 2
Source of support: bioMérieux Vitek, Inc.
Date: September 1998 - December 1998 **Amount:** \$14,000
- (7) **Title:** Retrospective Study of Gram-Positive Bacterial Osteomyelitis
Source of support: Rhone-Poulenc Rorer
Date: February 1999 – September 1999 **Amount:** \$26,850
- (8) **Title:** Vitek 2 Automatic Dilution Study Protocol
Source of support: bioMérieux Vitek, Inc.
Date: January 1999 - May 1999 **Amount:** \$12,500
- (9) **Title:** Detection of Erythromycin Resistance Genes in *S. pneumoniae* Isolates
Source of support: Abbott Laboratories
Date: January 1999 - Dec 1999 **Amount:** \$ 6,695.00
- (10) **Title:** Field Trial for the Vitek 2 XL
Source of support: bioMérieux Vitek, Inc.
Date: January 2000 - May 2000 **Amount:** \$14,000
- (11) **Title:** Moxifloxacin Activity Against Staphylococcus isolates from Osteomyelitis using E-test methodology
Principle investigator: Neil Klutman **Co-principle Investigator:** Rebecca T. Horvat
Source of support: Bayer Corp.
Date: March 1999- Oct 2000 **Amount:** \$15,000
- (12) **Title:** Comparative *in vitro* Microbiologic Surveillance Study for Respiratory Tract Infections
Source of support: Bristol-Meyer Squibb
Date: Nov 1999- Feb 2000 **Amount:** \$5,000
- (13) **Title:** Development of penicillin and macrolide resistance in *Streptococcus pneumoniae* bound to lung fibroblasts
Principle investigator: Melinda K. Lacy, Pharm.D **Co-investigator/Faculty Sponsor:** Rebecca T. Horvat
Source of support: Society of Infectious Diseases Pharmacists
Date: October 1999 - October 2000 **Amount:** \$25,402

Grant support (continued)

- (14) **Title:** Detection of synergy of quinupristin/dalfopristin in *Staphylococcus* species
Source of support: Aventis
Date: May 2001 – December 2001 **Amount:** \$20,000
- (15) **Title:** Influence of Influenza A infection on adherence of *S. pneumoniae* to human lung fibroblasts
Source of support: Roche Laboratories, Inc.
Date: October 2000 - June 2002 **Amount:** \$33,500
- (16) **Title:** Ability of clarithromycin and ABT-773 to eradicate *S. pneumoniae* internalized in lung epithelial cells
Source of support: Abbott Laboratories, Inc.
Date: April 2001 - December 2002 **Amount:** \$53,125
- (17) **Title:** Ability of azithromycin to eradicate *S. pneumoniae* internalized in lung epithelial cells
Source of support: Pfizer, Inc
Date: May 2001 - December 2002 **Amount:** \$77,479
- (18) **Title:** Clinical outcome of patients hospitalized with pneumonia due to *Streptococcus pneumoniae*
Source of support: Roche Pharmaceuticals, Inc.
Date: May 2002- December 2003 **Amount:** \$62,844
- (19) **Title:** VitekII Gram-Positive (GPAC8)Antibiotic Susceptibility Study
Source of support: bioMérieux Vitek, Inc.
Date: November 2002- March 2003 **Amount:** \$25,645
- (20) **Title:** VitekII Gram-Positive Identification (GP) CARD and Antimicrobial Susceptibility Study
Source of support: bioMérieux Vitek, Inc.
Date: November 2003- June 2004 **Amount:** \$43,641
- (21) **Title :** Intracellular Activity of Tularemia
Source: KUMC Research Institute – Pilot Grant
Date: July 2004-June 2005 **Amount:** \$25,000
- (22) **Title :** Incidence of mutations in *Streptococcus pneumoniae* leading to levofloxacin resistance over a seven year period
Source of support: Ortho-McNeil
Date: March 2005 – March 2006 **Amount:** \$37,890
- (23) **Title :** Innate Immunity to *Francisella tularensis*
Principle investigator: Michael J. Parmely **Co-Principle investigator:** Rebecca T. Horvat
Source of support: National Institutes of Health R21 AI062939-01
Date: July 2005 – June 2007 (extension until Jan 2008) **Amount:** \$137,500/yr total direct costs
- (24) **Title :** Primary investigation into the performance of the MicroPhage *S. aureus*/MSSA/MRSA test direct from Blood Culture
Source of support: Microphage Inc.
Date: Sept 2008 – Dec 2008 **Amount:** \$11,447
- (25) **Title :** Primary investigation into the performance of the MicroPhage *S. aureus*/MSSA/MRSA test direct from screening swabs
Source of support: Microphage Inc.
Date: Sept 2008 – Dec 2008 **Amount:** \$11,447

Grants and contracts submitted:

<u>Principal Investigator Status</u>	<u>Co Investigators</u>	<u>Title of Grant</u>	<u>Funding Source</u>	<u>Direct Costs</u>	<u>Years</u>
Micah Halpern (MRI)	Rebecca T. Horvat David Alburty(Alburty Lab) Andrew Page(Alburty Lab) John Gerdes(Micronics)	Rapid diagnostic for pathogen detection, confirmation and determination of antibiotic sensitivity in clinical samples	NIAID RFA-AI-07-003	\$2,135,754 Under review	2008
Michael J. Parmely Under review	Rebecca T. Horvat David Pinson Kim Kee Jun Hung-Wen Yeh Bryan L. Copple	Pathogenesis of Tissue Damage in Tularemia	NIH SF 424 (R&R)	\$1,837,500.00	2008

J. CLINICAL ACTIVITIES:

- **Director of Clinical Microbiology, Immunology and Molecular Laboratories – 1992 to present**
- **Director of Pathology Dept. (KUPI) Molecular Laboratory – 1992 -1999 and then 2002 to present**

Daily Clinical Activity

- Infectious Disease Laboratory Rounds (1 hour / 3 times per week)
- Solve technical problems (1 to 5 per day) within the laboratory (methodology, antibiotic resistance pattern, instrument problems, unusual isolate, etc.)
- Answer inquiries about laboratory service (1 to 5 per day) from clinicians or other health providers (what test to order, what a certain result means, what technique is used, request for special tests, solving discrepant results, etc.).
- Review abnormal QC results and assure any problems are resolved

Weekly Clinical Activity

- Attend Infectious Disease Clinical conference to discuss various cases and issues
- Review and sign reports for reportable diseases to the State of Kansas Health Department
- Meet with the Supervisors of Microbiology and Molecular sections to discuss progress on projects, problems in the laboratory and plans for implementing any changes (approximately 1-2 hours/week).

Monthly Clinical Activity

- Establish and review quality assurance (QA) monitors and coordinate implementation of QA with laboratory staff. Review and discuss the QA monitors (tolerance limits, system progression, design or re-design, results, resolution) with laboratory staff.
- Review all records of quality control used to monitor all diagnostic tests and equipment in the laboratory. Investigate any values outside the expected results.
- Attend Clinical Pathology Leadership meetings 2X/week
- Attend once a month Section Directors meeting for all areas of Pathology

Yearly Clinical Activity

- Review and revise policies and procedures to ensure compliance with accrediting agencies (Joint Commission for the Accreditation of Hospital Organizations [JCAHO], College of American Pathologist [CAP], Occupational Safety and Health Agency [OSHA]).
- Review and update the Reference Manual for Clinical Laboratory Procedures for nursing staff.
- Prepare laboratory for College of American Pathology (CAP) inspection or CAP self inspection (review new questions, assess laboratory procedures)
- Three times per year review results of all CAP proficiency results from Microbiology, Virology, Immunology and Molecular Pathology. Review results prior to submission to CAP and after results are returned. Resolve any discrepancy between our results and CAP expected results in a written report.
- Evaluate equipment needs of the laboratory (new equipment, replacement of old equipment). Write up requests for new equipment with specifications for contracts and justification for new equipment purchases/acquisitions.
- Determine choice of specific methodology to be used for diagnostic purposes. Conduct research, consultation with clinical staff, meet with various suppliers and implement coordination of the tests with existing laboratory staff. Conduct validation studies for all new procedures (compare results with another method and calculate sensitivity, specificity, accuracy and precision).
- Develop guidelines for laboratory utilization both internal to the laboratory and external.

Other Clinical Activities

KU Hospital Laboratory Committees:

1. Clinical Laboratory Risk and Safety Council 2001- present
2. Quality Assurance Committee – 2006-present

KUMC Pathology Molecular Diagnostic Laboratory

Technical Director – July 2007 – present

- Review and update the procedural manuals
- Review results of all proficiency results
- Design quality assurance monitors for the laboratory and prepare reports
- Design validation process for new test development
- Evaluate new methods and opportunities for test development

Inspector for College of American Pathology (CAP) laboratory inspections:

1. Oregon Health Sciences University Hospital (CAP#24426-01) August 23, 1993
Inspected: Clinical Microbiology, Virology, Clinical Immunology
2. University of Nebraska Medical Center July 1995
Inspected: Clinical Microbiology, Molecular Pathology
3. St. Louis University Hospital (CAP#19210-01) December 5, 1995
Inspected: Clinical Microbiology, Virology, Molecular Pathology
4. Cox Medical Center, Springfield, MO August 20, 1996
Inspected: Clinical Microbiology
5. Creighton University, Omaha, NE (CAP#19762-01) July 1997
Inspector: Molecular Pathology
6. Usglow Army Community Hospital (CAP#19478-01) April 2, 1998
Fort Leonard Wood Army Base, MO Inspector: Microbiology
7. University of Washington Hospital (CAP#24637-01) Sept 7th - 9th, 1999

- | | |
|---|--|
| Seattle, Washington | Inspector: Molecular Pathology |
| 8. St. Louis University Hospital (CAP# 19201-01)
St. Louis, MO | November 3 rd , 4 th , 1999
Inspector: Molecular and Microbiology |
| 9. University of Minnesota - Fairview (CAP #13101-03)
Minneapolis, MN | August 22 nd , 23 rd , 2000
Inspector: Molecular Pathology |
| 10. Quest Diagnostics Incorporated (CAP #23004-01)
Van Nuys, CA | August 16 th , 2002
Inspector: Molecular and Microbiology |
| 11. Kimble Genetics (CAP # 63066-01)
Denver, CO | October 26 th , 2002
Inspection Leader |
| 12. Oklahoma University Medical Center | April 2004
Inspector: Molecular Pathology |
| 13. Veterans Administration Medical Center, St. Louis (ID #19262-01) | February 17-16 th , 2005
Inspector: Molecular Pathology |
| 14. Veterans Administration Greater Los Angeles Healthcare System (ID # 22694-01)
Immunology | March 7-9, 2005
Inspector: Molecular Pathology and Diagnostic |
| 15. Veterans Administration Minneapolis, MN (ID#41539) | April 14, 2007
Inspector: Molecular Pathology and Microbiology |

K. TEACHING ACTIVITIES:

Pathology Resident Core Conference

4/4/2007	Antibiotic Susceptibility Testing	1 hour
4/11/2007	Antibiotic Susceptibility Testing	1 hour
5/16/07	Misc bacteria - Nocardia/streptomyces	1 hour
5/23/2007	Mycobacteria	1 hour
5/30/2007	Review Microbiology cases	1 hour
8/15/2007	Autoimmune Testing	1 hour
8/31/2007	Review of Immune System	1 hour

Residents/fellow Core lectures – NOT Pathology

8/16/2007	Cytology Fellows and Residents-HPV detection	1 hour
9/28/2007	Laboratory Testing of Autoimmune Antibodies – Rheumatology Fellows and Residents	1 hour
11/09/2007	Medicine Residents-Practice Lecture - Microbiology Gram stain readings	1 hour
12/6/2007	Review of Microbiology Culture from Surgery Sites	1 hour

Rotations of Pathology Residents in Clinical Microbiology/Immunology and Molecular 10-12/yr

Additional resident educational activities: Coordinated the training and competency of reading and interpreting blood smear for the presence of malaria –Residents will now read out these slides while on CP call.

Infectious Disease Fellows

Lab Rounds/Conference – 3 times per week

Clinical conference – 1 times per week

Clinical Pathology Conference (CPC)

May 14, 2007 – Sporothrix in brain infection

Oct 2, 2007 – Ring granulomas –Q fever/Rocky Mountain Spotted fever

General Pathology 850 (4 -6 lectures)	Second Year Medical Students	1993-present
Medical Microbiology 850 (3 to 6 lectures)	Second Year Medical Students	1995-present
Clinical Microbiology II 642	Medical Technology Students	1995-1999
Advanced Diagnostics and Therapeutics	Fourth Year Medical Students	2001-2002
Clinical Microbiology (monthly rotations)	Pathology Residents (11 to 12 per year)	1992-present
Didactic Lectures (10-15 lectures)	Pathology/Medicine Residents	1999 - present

SUPERVISED STUDENTS IN RESEARCH LABORATORY:

Amy Rabe	Summer Medical Student	1993
Christopher Penn, M. D.	Infectious Disease Fellow	1993
Coleman Martin	Postsophomore Fellow	1993/1994
Curtis Fitzsimmons, M.D.	Infectious Disease Fellow	1996
Mitchell Krueger, R.N.	Masters, Nurse Anesthesia	1996
Stephanie Scales	Summer Medical Student	1997
Amy Dix	Summer High School Student	1997
Fred Warkentine	Postsophomore Fellow	1997
Loman Lin	Summer Medical Student	1997/1998
Michael Howard	Medical Student	1998
Laura Boyert	Pharm D Student	1999-2000
Christi Reuling	Masters Student	1999-2000
Rachel Robson	Doctoral Student	2001 – 2006
Hildegard Bell	Doctoral Student	2002 - 2004
Natalie Reed	Masters Student	2004 - present
Shannon Grabosch	Summer Medical Student	2007

Other Activity:

1998	Judge	KUMC Student Research Forum
1999	Judge	KUMC Student Research Forum

L. ADMINISTRATION:

Date(s)	Committee	Office
January 1996 to present	Antibiotic Subcommittee of Pharmacy/Therapeutics Committee	Member
June 2007 – present	Academic Committee- KU School of Medicine	Chair
July 2000 – present	Infection Control and Prevention	Member
July 2002 – present	KU Pathology Residents Education Committee	Member
July 1995 to July 1999	Faculty Council Member	Department Representative
July 1994 to July 1996	Graduate Travel Committee	Member
July 1996 to July 1997	Graduate Travel Committee	Chairperson
Spring 1996 – July 2001	Graduate Admissions Committee for Integrated Graduate Program in Basic Sciences	Department Alternate
October 1998 to 1999	Educational Oversight Committee for years 3-4	Member
January 2000 – June 2002	School of Medicine, Executive Committee	Member
February 2000 – May 2001	Chair Review Committee, Pharmacology	Member
February 2000 – July 2001	School of Medicine By-laws revision committee	Member
January 2000 – Sept 2002	School of Medicine, Faculty Council	Vice-Chairman
July 2000 - July 2004	Departmental Promotion and Tenure Committee	Junior Member
January 2001 - January 2002	Biomedical Research Training Program Internal Advisory Committee	Member
July 2002 – July 2004	Elections Committee, Faculty Assembly, KUMC	Member
July 2003 – July 2004	Elections Committee, Faculty Assembly, KUMC	Chair
July 2001 – July 2005	Departmental Graduate Studies Committee	Chair
July 2001 – July 2005	Graduate Admissions Committee for Integrated Graduate Program in Basic Sciences	Department Representative
July 2002 – Sept 2005	School of Medicine, Research Committee	Member
July 2004 – Sept 2005	School of Medicine, Research Committee	Chair
Spring 1993 to 2006	Departmental Research and Graduate Studies Committee	Member
August 1993 to July 2003	Pharmacy/Therapeutics Committee	Member
Sept 2002 – Sept 2007	Student Promotions Subcommittee, Academic Committee	Member
Sept 2007 – Sept 2008	Student Promotions Subcommittee, Academic Committee	Chair

2003 to present: Facility Director for the University of Kansas Medical Center CDC certified Secure BSL-3 and Animal BSL-3 Facility

– Experience includes planning and building of both BSL-3 facilities, designing training program for technical personnel and safety personnel, writing procedures and protocols to ensure safe and secure laboratory practices, prepare and participate in CDC inspections, document ongoing training and continually monitor problems within the facilities and ensure all inventories and documentation is current.

M. PAPERS IN SCIENTIFIC JOURNALS:

1. Parmely, M.J., B. H. Iglewski and **R. T. Horvat**. 1984. Identification of the principle T lymphocyte-stimulating antigens of *Pseudomonas aeruginosa*. J Exp Med. 160:1338-1349.
2. Sadlik, J.R., M. Hoyer, M.A. Leyko, **R. Horvat**, M.J. Parmely, C. Whitacre, B. Zwillig and J.J. Rinehart. 1985. Lymphocyte supernatant-inducing human monocyte tumoricidal activity: Dependence on the presence of interferon. Cancer Res. 45:1940-1945.
3. Parmely, M. J. and **R. T. Horvat**. 1986. Antigenic specificities of *Pseudomonas aeruginosa* alkaline protease and elastase defined by human T cell clones. J Immunol. 137:988-994.
4. Parmely, M. J., **R. T. Horvat**, B. H. Iglewski, J. Kanarek, D. Furtado, and R. Van Enk. 1987. The antigenicity of a pulmonary pathogen defined by monoclonal T cells. In Recent Developments in Mucosal Immunology. J. Mestecky and J. R. McGhee, editors. Plenum Publishing Corp., New York. 1043-1051.
5. **Horvat, R. T.** and M.J. Parmely. 1988. *Pseudomonas aeruginosa* alkaline protease degrades human IFN-g and inhibits its bioactivity. Infect Immun. 56:2925-2932.
6. **Horvat, R. T.**, C. Wood and N. Balachandran. 1989. Transactivation of human immunodeficiency virus promoter by human herpesvirus-6 (HHV-6). J Virol. 63:970-973.
7. **Horvat, R. T.**, M. Clabaugh, C. Duval-Jobe and M.J. Parmely. 1989. Inactivation of human interferon-gamma by *P. aeruginosa* proteases: Elastase augments the effects of alkaline protease despite the presence of alpha-2-macroglobulin. Infect Immun. 57:1668-1674.
8. **Horvat, R. T.** and C. Wood. 1989. HIV promoter activity in primary antigen-specific human T lymphocytes. J Immunol. 132:2745-2751.
9. Parmely, M., A. Gale, M. Clabaugh, **R. Horvat**, and W.-W. Zhou. 1990. Proteolytic inactivation of cytokines by *Pseudomonas aeruginosa*. Infect Immun. 58:3009-3014.
10. **Horvat, R. T.**, C. Wood, S. F. Josephs, and N. Balachandran. 1991. Transactivation of HIV promoter by human herpesvirus-6 strains GS and Z-29 in primary human T lymphocytes and identification of transactivating HHV-6(GS) gene fragments. J Virol 65:2895-2902.
11. *Wilson, L. J., **R.T. Horvat**, L. Montag, A. M. Meis*, and M. Huntrakoon. 1992. Identification of donor-melanoma in a renal transplant recipient. Diag Mol Path. 1:266-271.
12. **Horvat, R. T.**, N. Balachandran, and M.J. Parmely. 1993. Human herpesvirus-6 inhibits the proliferative response of human peripheral blood mononuclear cells. J Infect Dis. 167:1274-1280.
13. **Horvat, R. T.**, *M. A. Zahid. 1994. Human listeriosis: A case report and review. Kansas Medicine, 95: 187-188.
14. Koller, W.C., S.L. Glatt, J.P. Hubble, A. Paolo, A. I. Troster, M.S. Handler, **R.T. Horvat**, *C. Martin, K. Schmidt, A. Karst, G. Schellenberg. 1995. ApoE genotype in Parkinson's Disease with and without dementia. Annals of Neurology. 37:242-245.
15. Marshall, S.A., Jones, R., Beavis, K., Doern, G.V., Evangelista, A., Higgins, M., **Horvat, R.**, Papasian, C., Piper D., Raich, T., Clarridge, J.E., Rupp, M., Schaeffer, F., Schechterly, C., Stieritz, D., and W. Winn. 1995. Serious interpretive error among three commercial systems for susceptibility testing of aztreonam. Diagn. Microbiol. Infect. Dis. 22:249-251.
16. Smith M. S., C. Bloomer, **R. Horvat**, E. Goldstein, M. Casparian, B. Chandran. 1997 Detection of human herpesvirus 8 DNA in Kaposi's sarcoma lesions and peripheral blood of HIV+ patients and correlation with serological measurements. J. Infect Dis. 176:84-93.
17. Weston A. P., R. Cherian, **R. T. Horvat**, A. Dixon, D. McGregor. 1997. Mucosa associated lymphoid tissue (MALT) in Barrett's esophagus. Prospective evaluation and association with gastric MALT, MALT

- lymphoma and *Helicobacter pylori*. *Am J Gastroenterology*. 92:800-804.
18. Weston AP, Banerjee SK, Campbell DR, Cherian R, **Horvat R.T.** 1998. Specificity of polymerase chain reaction monoclonality for the diagnosis of gastric mucosa-associated lymphoid tissue (MALT) lymphoma; Direct comparison to Southern blot gene rearrangement. *Digestive Disease and Sciences*. 43:290-299.
 19. Samaha S., O. Tawfik, **R. Horvat**, P. Bhatia. 1998. Lymphoepithelioma-like carcinoma of the colon: Report of a case with histologic, immunohistochemical and molecular studies for Epstein-Barr virus. *Diseases of the Colon and Rectum*. 41:925-928.
 20. **Horvat R.T.**, Potter L.M., Bartholomew W.R. 1998. Dissemination of vancomycin resistant *Enterococci* and comparison of susceptibility tests. *Diagnostic Microbiology and Infectious Disease*, 30:235-241.
 21. Chandran B., Smith M.S., Koelle D., Corey L., **Horvat R.T.**, Goldstein E. 1998. Reactivities of human sera with human herpesvirus-8-infected BCBL-1 cells and identification of HHV-8-specific proteins and glycoproteins and the encoding cDNAs. *Virology*. 243:208-217.
 22. Chandran B., Bloomer C., Chan S. R., Zhu L., Goldstein E., **Horvat R.T.** 1999. Human herpesvirus-8 ORF K8.1 gene encodes immunogenic glycoproteins generated by spliced transcripts. *Virology*. 249:140-149.
 23. Weston A.P., Cherian R., **Horvat R.T.**, Banerjee S.K., Hassanein R. S., Campbell D. R., Makdisi W. F. 1999. Prospective long-term endoscopic and histologic follow up of gastric mucosal associated lymphoid tissue (MALT) and MALT lymphoma following *Helicobacter pylori* eradication: Multivariate analysis of clinical and endoscopic prognostic factors. *Int J Oncol*. 15:899-907.
 24. Zhu L., Wang R., Sweat A, Goldstein E., **Horvat R.**, Chandran B., 1999. Comparison of Human Sera Reactivities in Immunoblots with Recombinant Human Herpesvirus (HHV)-8 Proteins Associated with the Latent (ORF73) and Lytic (ORFs 65, K8.1A, and K8.1B) Replicative Cycles and in Immunofluorescence Assays with HHV-8-Infected BCBL-1 Cells. *Virology*. 256:381-392.
 25. **Horvat R.T.**, Klutman N.E., Lacy M.K., Grauer D.W., Wilson M. 2003. Effect of Duplicate of Methicillin-Susceptible and Methicillin-Resistant *Staphylococcus aureus* on Antibiogram Data. *J Clin Micro*, 41:4611-4616.
 26. Lacy M. K., Klutman N. E., **Horvat R. T.**, Zapantis A. 2003. Antibigrams: New NCCLS Guidelines, Development and Clinical Applications. *Hospital Pharmacy*.
 27. *Zapantis A., Lacy M. K., **Horvat R. T.**, Grauer D.W., Barnes B. J., O'Neal B., Couldry R. 2005. Nationwide Antibiogram Analysis using the NCCLS M39-A Guidelines: Implications for the Infectious Disease Physician, *J Clin Micro*, 43:2629-2634.
 28. Horvat, R.T., Fishback, J. 2006. Pulmonary disease Associated with a Gram-negative Coccobacilli. *LabQ Clinical Laboratory ASCP, CL-1*.
 29. *Robson, R., Reed N., **Horvat R. T.**, 2006. Differential activation of A549 type II pneumocytes by *Streptococcus pneumoniae* strains with different adherence properties. *BMC Infectious Diseases* 6:71.
 30. Wickstrum J. R., Hong K-J., Bokhari S., Reed N., McWilliams N., **Horvat R. T.**, and Parmely M. J. 2007. Co-activating Signals for the Hepatic Lymphocyte Interferon- γ Response to *Francisella tularensis*. *Infect Immun*. *Infect Immun*. 75(3):1335-42.
 31. Weber S. H., Merkel D, Miller P., Tilzer L, Kliethermes J., and **Horvat R.T.** Hospital and Clinical Laboratory Response to Mumps Exposures. 2007. *Lab Medicine*, 2007;38(5):285-288
 32. *Robson R. L., Essengue S., Reed N. A., and **Horvat R. T.** 2007. Optochin Resistance in *S. pneumoniae* Induced by Frozen Storage in Glycerol. *Diag Micro and Infect Disease* 58(2):185-90.
 33. Selvaraju S.B., Wurst M., **Horvat R. T.**, Selvarangan R. 2009. Evaluation of three analyte-specific reagents for detection and typing of herpes simplex virus in cerebrospinal fluid. *Diagn Microbiol Infect Dis*. *Diag Micro and Infect Disease* 63(3):286-91

34. K. D. Reeves, **Horvat R. T.**, 2009 Aerosolized Alpha Hemolytic Streptococcus as a Cause of Knee Sepsis after Intraarticular Injection: Predisposing Factors: Case Reports. *The American Journal of Physical Medicine and Rehabilitation*, in press 2009.
35. Wickstrum J. R. , Bokhari S. M., Fischer J L, Pinson, D.M., Yeh, H-W, **Horvat R T.** Parmely M.J. *Francisella tularensis* Induces Extensive Caspase-3 Activation and Apoptotic Cell Death in the Tissues of Infected Mice, *Infection and Immunity*, ASM, in press 2009,
36. **R. T. Horvat**, J. Yu, D. R. Hinthorn , A. Mitchell , N. Reed , D. Sheets , J. D. Hester. 2009. A Retrospective Analysis of Antibiotic Resistance in Hospitalized Adults with Pneumococcal Pneumonia. To be submitted

*indicates supervised medical, medical technology student, resident/fellow trainee or graduate student.

N. BOOKS AND BOOK CHAPTERS:

1. **Horvat, R. T.** Molecular Pathology, in *Laboratory Test Handbook, Third edition*, editors, Jacobs DS and Tilzer L, Lexicomp, Inc., Hudson, OH. 1993.
2. Gray L.D. and **Horvat R.T.** Virology, in *Laboratory Test Handbook, Third edition*, editors, Jacobs DS and Tilzer L, Lexicomp, Inc., Hudson, OH. 1993.
3. Kasten B.L., Papasian C. J., **Horvat R. T.**, Jacobs D. S. Microbiology, in *Laboratory Test Handbook, Third edition*, editors, Jacobs DS and Tilzer L, Lexicomp, Inc., Hudson, OH. 1993.
4. Contributing editor: *Infectious Diseases Handbook*, eds. Isada CM, Kasten BL, Goldman M, Gray LD, Aberg J, Lexicomp, Inc., Hudson, OH, 1995.
5. Author: *Concise Laboratory Test Handbook*, editors, Jacobs DS and Grady HJ, Lexicomp, Inc., Hudson, OH. 1996.
6. ***Horvat, R.T.** , Hinrichs S.H., Tilzer L.L., Molecular Pathology, pp 501-525 in *Laboratory Test Handbook, Fourth edition*, editors, Jacobs DS and Grady HJ, Lexicomp, Inc., Hudson, OH, 1996.
7. ***Horvat R.T.**, Gray L.D. Virology, pp 661-686 in *Laboratory Test Handbook, Fourth edition*, editors, Jacobs DS and Grady HJ, Lexicomp, Inc., Hudson, OH, 1996.
8. ***Horvat R. T.**, Papasian C. J., Jacobs D. S, Kasten B.L.. Microbiology, pp 445-499 in *Laboratory Test Handbook, Fourth edition*, editors, Jacobs DS and Grady HJ, Lexicomp, Inc., Hudson, OH, 1996.
9. *Jacobs D. S, **Horvat R. T.**, Immunology and Serology, pp 361-443 in *Laboratory Test Handbook, Fourth edition*, editors, Jacobs DS and Grady HJ, Lexicomp, Inc., Hudson, OH, 1996.
10. **Horvat R.T.**, Hinthorn D. R., Jacobs D.S., Alexander H., Diagnostic Tests for Infectious Disease, in *Laboratory Test Handbook, Fifth edition*, editors, Jacobs DS, DeMott WR and Oxley DK, Lexicomp, Inc., Hudson, OH, 2001.
11. **Horvat R. T.**, Diagnostic Tests for Infectious Disease, in *Concise Laboratory Test Handbook, Second edition*, editors, Jacobs DS DeMott WR and Oxley DK, Lexicomp, Inc., Hudson, OH, 2002.
12. **Horvat R. T.** and Tegtmeier G. E., Hepatitis B and D Viruses, in *Manual of Clinical Microbiology*, 8th edition, editors, Yolken RH, Murray PR and Chapin K, American Society for Microbiology Press, Washington, DC, 2003.
13. **Horvat R. T.** and Tegtmeier G. E., Hepatitis B and D Viruses, in *Manual of Clinical Microbiology*, 9th edition, editors, Yolken RH, Murray PR and Chapin K, American Society for Microbiology Press, Washington, DC, 2007.
14. **Horvat R. T.** and Tegtmeier G. E., Hepatitis B and D Viruses, in *Manual of Clinical Microbiology*, 9th edition, editors, Yolken RH, Murray PR and Chapin K, American Society for Microbiology Press, Washington, DC, 2010, in press.

* Laboratory Test Handbook, 4th edition was nominated by Doody's list as one of the best 250 Medical books of 1996.

O. PUBLISHED ABSTRACTS:

1. Parmely, M.J., **Horvat, R.**, Iglewski, B.H. *Pseudomonas aeruginosa* alkaline protease and elastase are major T cell stimulating antigens in humans. Federation of Exp Biology Proceedings 43:1602, 1984.
2. **Horvat, R.T.**, Parmely M.J. Measurement of the frequency of Pseudomonas-specific T cells. Federation of American Society of Exp Biology, 43:1604, 1984.
3. Parmely, M.J., **Horvat, R. T.**, Clancy, J. Human T cells define determinants on Pseudomonas proteases. Federation of American Society of Exp Biology, 1985.
4. **Horvat, R.T.**, Parmely, M.J., Clancy, J. IFN- γ production in Pseudomonas-specific human T cell clones. Federation of American Society of Exp Biology, 1985.
5. **Horvat, R.T.**, Parmely, M.J. Factors produced by *Ps. aeruginosa* inhibit antigen-induced IFN- γ release without affecting proliferation of human T cell clones. J Leuk Biol. 38:150, 1985.
6. **Horvat, R.T.**, Wood, C. Activation of the HIV promoter in primary human T cells. Federation of American Society of Exp Biology, 1989.
7. **Horvat, R.T.**, Josephs, S.E., Wood, C., Balachandran, N. Transactivation of HIV promoter by human herpesvirus-6 strains GS and Z-29 in primary human T lymphocytes and identification of transactivating HHV-6 (GS) gene fragments. 16th International Herpesvirus Workshop, July 1991.
8. Sadasivan R, VanVeldhuizen P, **Horvat B.**, *Dwyer T, Kimura, Austenfeld M, Garcia F, and Stephens R. Deletions of the genes for plasminogen activators uPA and tPA in human prostate carcinoma. American Association for Cancer Research, May 1993.
9. Glatt S, Karst A, Schmidt K, Hubble J, Paolo A, Tröster A, Handler M, **Horvat R.**, Schellenberg G, Yu C, Koller W. Apo E genotype in Parkinson's disease with and without dementia. The American Neurological Association, San Francisco, Oct 1994.
10. **Horvat R.**, Goldstein E, Amare M, Meiss AM, *Chiang PC, *Penn C, *Rabe A. Detection of human herpesvirus 6 and cytomegalovirus in patients following bone marrow transplantation. Infectious Disease Society of America, New Orleans, Oct 1993.
11. **Horvat R.T.**, Potter L.M., Bartholomew W.R. Comparative studies of high-level aminoglycoside and vancomycin susceptibility testing of *Enterococci*. American Society for Microbiology, Washington D.C. 1995.
12. **Horvat R.T.**, Potter L.M., Bartholomew W.R. Comparative studies of high-level aminoglycoside and vancomycin susceptibility testing of *Enterococci*. American Society for Microbiology, Washington D.C. 1995.
13. *Webb P., **Horvat R. T.**, Hargrave P.K. Brucella osteomyelitis: a case presentation. Clinical Laboratory Science, Chicago, IL, July 1996.
14. Weston A.P., Campbell D.R., Cherian R., **Horvat R.T.**, Makdisi W.F., Banerjee S.K., Dixon A., McGregor D. Long-term follow up of *H. pylori* associated gastric MALT following *H. pylori* eradication. Gastroenterology 1996;110 (4):A295.
15. Banerjee S.K., Weston A.P., **Horvat R.T.**, Campbell D.R., Cherian R., Makdisi W.F. Determination of specificity and sensitivity of PCR monoclonality for the diagnosis of gastric lymphoma: Direct comparison to Southern blot gene rearrangement. Gastroenterology. 1996;110 (4):A487.
16. Weston A.P., Campbell D.R., **Horvat R.T.**, Cherian R., Makdisi W.F., Banerjee S.K., Dixon A., McGregor D. MALT in Barrett's esophagus: Prospective evaluation and association with gastric MALT, MALToma and *H. pylori*. Gastroenterology 1996;110 (4):A613.
17. Smith M.S, Bloomer C., **Horvat R.**, Goldstein E., Casparian J.M., Chandran B. Human herpesvirus-8 DNA and RNA in Kaposi's sarcoma lesions and peripheral blood and serological responses to HHV-8

- antigens. Keystone symposium on AIDS, 1997.
18. Hargrave, P., **Horvat R. T.**, Montgomery J., *Sanganee N. Isolation of *Agrobacterium radiobacter* from Clinical Material. Clin Lab Science. 1997, 10:138.
 19. Silverstein R., Xue Q., **Horvat R.T.**, Lee C.Y., Luchi M.J., Sau S., Worley P.A., Morrison D.C. Differential role for TNF- α in experimental sepsis caused by gram-positive vs. gram-negative clinical isolates. International Conference on Antimicrobial Agents and Chemotherapy, Sept. 1997
 20. **Horvat R. T.** and *Warkentine F. The postantibiotic effect and bactericidal activities of clarithromycin, 14-OH clarithromycin, cefuroxime and amoxicillin-clavulanic acid against clinical isolates of *Hemophilus influenzae*. Fourth International Conference on the Macrolides, Azalides, Streptogramins, and Ketolides. Barcelona, Spain, January 1998.
 21. **Horvat R. T.** and *Dix A. The postantibiotic effect and bactericidal activities of clarithromycin, 14-OH clarithromycin, cefuroxime and amoxicillin-clavulanic acid against clinical isolates of *Streptococcus pneumoniae*. Fourth International Conference on the Macrolides, Azalides, Streptogramins, and Ketolides. Barcelona, Spain, January 1998.
 22. Rekasius V., Carey R. B., Lee L., Motyl M., *Chen L., Montgomery J., **Horvat R. T.** Multi-center evaluation of the new Vitek 2 system for the identification of Gram-negative rods. American Society for Microbiology, May 1998.
 23. **Horvat R. T.** and *Warkentine F. Effect of pH on the postantibiotic effect of clarithromycin, 14-OH clarithromycin, cefuroxime and amoxicillin-clavulanic acid with isolates of *Hemophilus influenzae*. American Society for Microbiology, May 1998.
 24. Hinthorn D. **Horvat R.T.**, *Fitzsimmons C., *Scales S., *Lin L., *Howard M., Mitchell A. Application of the Fine Prediction Rule to Pneumonia Patients with Resistant or Susceptible Pneumococci. 39th Interscience Conference on Antimicrobial Agents and Chemotherapy, #2249, 1999.
 25. Klutman N.E., *Howard M., **Horvat R.**, Hinthorn D. Susceptibility of clinical coagulase positive and coagulase negative staphylococcus isolates to vancomycin over an eight-year period using E test methodology. American College of Clinical Pharmacy, Pharmacotherapy, 19:1205, 1999.
 26. Lacy M. K., **Horvat R.**, Boyert L., *Howard M, Mitchell A, Hinthorn D. Effects of penicillin-resistance and pH variances on pneumococcal adherence to human lung fibroblasts and epithelial cells. American College of Clinical Pharmacy, Pharmacotherapy, 19:1206, 1999.
 27. Edwards B., Goldstein E., Mitchell A., Santos M, Harms J., **Horvat R.**, Hinthorn D. Serum inhibitory and bactericidal titers in patients treated with linezolid. 37th Annual Meeting of Infectious Disease Society of America, #160, 1999.
 28. **Horvat R. T.**, Lacy M. K., Boyert L., *Howard M, Mitchell A, Hinthorn D. Correlation between hospitalized pneumonia patient outcomes and pneumococcal binding to human lung fibroblasts. 37th Annual Meeting of Infectious Disease Society of America, #180, 1999.
 29. **Horvat R. T.**, Hinthorn D, Lacy M, Boyert L, *Fitzsimmons C, *Howard M, *Lin L, Mitchell A, *Scales S. Assessment of clinical outcomes in pneumococcal pneumonia patients. 5th International Conference on the Macrolides, Azalides, Streptogramins, Ketolides and Oxazolidines. Sevilla, Spain, January 2000.
 30. *Y Li, L Boyert, M Lacy, *C Yin, and **RT Horvat**. Assessments of Antimicrobial Susceptibility Tests and PCR-Assay for Detection of Macrolide-resistance *Streptococcus pneumoniae*. 101st American Society for Microbiology, May 2001, Orlando, FL.
 31. *L. Lin, N. Klutman, M. Lacy, *M. Howard, **RT Horvat**. Detection of synergistic activity of quinupristin-dalfopristin and cefazolin against methicillin resistant staphylococci osteomyelitis isolates. 101st American Society for Microbiology, May 2001, Orlando, FL.

32. **RT Horvat**, M Lacy, *Y Li, L Boyert, and D R Hinthorn. Detection of macrolide-resistance in streptococcus pneumoniae using a pcr-assay and comparison with etest, broth dilution and disk diffusion methods. 22nd International Congress of Chemotherapy, June 2001, Amsterdam, The Netherlands.
33. Reed N and **Horvat R.T.** Influence of influenza A infection on the binding of *Streptococcus pneumoniae* to human lung epithelial cells. 102nd American Society for Microbiology, May 2002, Salt Lake City. UT.
34. Essengue S., Korasak J., **Horvat R.T.** Optochin resistance in clinical isolates of *S. pneumoniae*. 102nd American Society for Microbiology, May 2002, Salt Lake City. UT.
35. *Robson R. L., Boyert L., **Horvat R. T.** Evolving Increased Adherence in a *Streptococcus pneumoniae* Clinical Isolate. 102nd American Society for Microbiology, May 2002, Salt Lake City. UT.
36. **Horvat R.T.**, Lacy M.K., Grauer D.W., Klutman N.E. Implementing the NCCLS M-39 Guidelines for Antibiograms: Impact on Resistance Rates. 42nd Interscience Conference on Antimicrobial Agents and Chemotherapy, September 2002, San Diego, CA
37. Lee, Y., Bajracharya, H., Younes, B., **Horvat, R.**, Luchi, M. Vancomycin-Resistant Enterococci (VRE) at a Univ. Hospital 1996-2001: Epidemiologic Trends and Resistance to Quinupristin/Dalfopristin (Q/D) and Linezolid (L). Abstract 403. Infectious Disease Society of America Annual Meeting, October 24 – 27, 2002, Chicago, Illinois
38. **Horvat R. T.**, Lacy M. K., Reed N. Ability of amoxicillin, ceftriaxone, macrolides and ABT-773 to eradicate *S. pneumoniae* attached to lung epithelial cell. 42nd Interscience Conference on Antimicrobial Agents and Chemotherapy, September 2002, San Diego, CA.
39. Bell H.*, Essengue S., Robson R., **Horvat R. T.**, Characteristics of induced optochin resistance in *S. pneumoniae*. 103rd American Society for Microbiology, May 2003, Washington D. C.
40. Zapantis A.*, Lacy M.K., **Horvat R. T.**, Grauer D.W., Barnes B.J., O’Neal B., Couldry R. Nationwide antibiogram analysis using the NCCLS M39-A guidelines. 43rd Intersciences Conference on Antimicrobial Agents and Chemotherapy, Chicago, IL Sept 2003
41. Cantin R., Wilson M., **Horvat R. T.** Detection of respiratory viruses in specimens negative by direct antigen. Presented at the 20th Annual Clinical Virology Symposium, Clearwater Beach, FL, April 2004
42. Lee P., **Horvat R.**, Desai S., Luchi M.. How often are Methicillin-resistant *Staphylococcus aureus* (MRSA) and Vancomycin-resistant Enterococcus (VRE) Found in the Same Patient? The Intersection of MRSA and VRE Epidemics at a University Hospital between 1996 and 2001. Infectious Disease Society of America, Boston, MA, Sept 2004.
43. Yu, J., McWilliams N.*, Chen C., Reed N., **Horvat R.**, Parmely M. Inate Immune Responses to the Facultative Intracellular Pathogen *Francisella tularensis*. 105th American Society for Microbiology, May 2005, Atlanta, GA
44. Robson, R.*, Reed N. A., **Horvat, R. T.** Ability of *Streptococcus pneumoniae* clinical isolates to adhere to and activate lung epithelial cells (B316). 105th American Society for Microbiology, May 2005, Atlanta, GA
45. Weber S. H., Merkel D., Miller P., Tilzer L., Kliethermes J., and **Horvat R. T.**, Hospital and Clinical Laboratory Response to Mumps Exposures. University Health Care Consortium, Tampa Florida, March 2007
46. **Horvat R. T.**, Hinthorn D. R., Mitchell A., Reed N., Sheets D., Yu J. and Hester J. D. A Retrospective Analysis of Hospitalized Adult with Pneumococcal Pneumonia. International Society of Chemotherapy, CAP III 2007 Conference- Montreal, Quebec, Canada, April 14, 2007
47. Enright P. D., Altrich M. L., Thompson C. T, **Horvat R.T.**, and Halsey J. F. Evaluation of an In vitro T cell Assay to Detect Cellular Responses to Varicella zoster Virus, Infectious Diseases Society of America (IDSA), October 4-7, 2007 San Diego CA

*indicates supervised medical, medical technology student, resident/fellow trainee or graduate student.

Published Book reviews:

1. Rebecca T. Horvat, Ph.D., Review of “Case Files: Microbiology.” Lange Medical Books/McGraw-Hill, Publication date- 2005, ISBN: 978-0-07144-574-0, 389 pages. Review published on 12/02/2005. Available: <http://www.doody.com>
2. Rebecca T. Horvat, Ph.D., Review of “Medical Microbiology, 5th Edition.” Elsevier - Health Sciences Division, Publication date-2005, ISBN: 0323033032, 976 pages. Review published on 12/19/2005. Available: <http://www.doody.com>
3. Rebecca T. Horvat, Ph.D., Review of “Bergey's Manual of Systemic Bacteriology.” Springer, Publication date-2005, ISBN: 978-0-38795-040-2, 3 volume set. Review published on 12/22/2005. Available: <http://www.doody.com>
4. Rebecca T. Horvat, Ph.D., Review of “Human Papillomaviruses: Methods and Protocols.” Humana Press Inc., Publication date-2005, ISBN: 158-8-2937-34, 512 pages. Review published on 12/29/2005. Available: <http://www.doody.com>
5. Rebecca T. Horvat, Ph.D., Review of “Mycobacterium: Molecular Microbiology.” Horizon Bioscience, Publication date-2005, ISBN: 978-1-90493-314-4, 352 pages. Review published on 02/01/2006. Available: <http://www.doody.com>
6. Rebecca T. Horvat, Ph.D., Review of “Vaccines: Frontiers in Design Development.” Horizon Scientific Press., Publication date-2005, ISBN: 0 978-1-90493-309-0, 276 pages. Review published on 2/14/2006. Available: <http://www.doody.com>
7. Rebecca T. Horvat, Ph.D., Review of “Colonization of Mucosal Surfaces.” Blackwell Publishing., Publication date-2005, ISBN: 978-1-55581-323-9 478 pages. Review published on 2/27/2006. Available: <http://www.doody.com>
8. Rebecca T. Horvat, Ph.D., Review of “Antimicrobial Agents: Antibacterials and Antifungals.” ASM Press, Publication date-2006, ISBN: 978-1-55581-237-9, 1456 pages. Review published on 3/13/2006. Available: <http://www.doody.com>
9. Rebecca T. Horvat, Ph.D., Review of “Phages: Their Role in Bacterial Pathogenesis And Biotechnology.” ASM Press., Publication date-2005, ISBN: 978-1-55581-307-9, 450 pages. Review published on 3/21/2006. Available: <http://www.doody.com>
10. Rebecca T. Horvat, Ph.D., Review of “The Enterobacteria, 2nd Edition.” ASM Press., Publication date-2005, ISBN: 978-1-55581-342-0, 411 pages. Review published on 3/28/2006. Available: <http://www.doody.com>
11. Rebecca T. Horvat, Ph.D., Review of “An Atlas of the Clinical Microbiology, Volume 2 Viral, Fungal and Parasitic Agents .” ASM Press., Publication date-2005, ISBN: 978-1-84214-240-0, 248 pages. Review published on 3/31/2006. Available: <http://www.doody.com>
12. Rebecca T. Horvat, Ph.D., Review of “Essentials of Microbiology for Dental Students.” Oxford University Press., Publication date-2006, ISBN: 978-0-19856 -489-8, 317 pages. Review published on 4/10/2006. Available: <http://www.doody.com>
13. Rebecca T. Horvat, Ph.D., Review of “Parvoviruses” A Hodder Arnold Publication, Publication date-2006, ISBN: 978-0-34081-198-6, 656 pages. Review published on 4/18/2006. Available: <http://www.doody.com>

14. Rebecca T. Horvat, Ph.D., Review of “Problem-Based Microbiology” Saunders, Publication date-Dec 2005, ISBN: 978-0-7216-0630-9, 495 pages. Review published on 4/26/2006. Available: <http://www.doody.com>
15. Rebecca T. Horvat, Ph.D., Review of “Instant Notes in Medical Microbiology” Taylor and Francis, Publication date-Dec 2005, ISBN: 978-1-85996-254-1, 344 pages. Review published on 5/1/2006. Available: <http://www.doody.com>
16. Rebecca T. Horvat, Ph.D., Review of “Immunopotentiators in Modern Vaccines” Academic Press, Publication date-Dec 2005, ISBN: 978-0-12-088403-2, 384 pages. Review published on 5/10/2006. Available: <http://www.doody.com>
17. Rebecca T. Horvat, Ph.D., Review of “Cytomegaloviruses: Molecular Biology and Immunology” Caister Academic Press, Publication date-Jan 2006, ISBN: 978-1-904455-02-8, 620 pages. Review published on 5/17/2006. Available: <http://www.doody.com>
18. Rebecca T. Horvat, Ph.D., Review of “Papillomavirus Research: From Natural History To Vaccines and Beyond” Caister Academic Press, Publication date-Jan 2006, ISBN: 978-1-904455-04-2, 424 pages. Review published on 5/31/2006. Available: <http://www.doody.com>
19. Rebecca T. Horvat, Ph.D., Review of “Gram-Positive Pathogens, 2nd Edition” ASM Press, date-Mar 2006, ISBN: 978-1-55581-343-7, 888 pages. Review published on 6/7/2006. Available: <http://www.doody.com>
20. Rebecca T. Horvat, Ph.D., Review of “Evolution of Microbial Pathogens” ASM Press, date-Mar 2006, ISBN: 978-1-55581-300-0, 370 pages. Review published on 6/14/2006. Available: <http://www.doody.com>
21. Rebecca T. Horvat, Ph.D., Review of “Schaechter's Mechanisms of Microbiology” Lippincott Williams & Wilkins, Publication date-Apr 2006, ISBN: 978-0-7817-5342-5, 762 pages. Review published on 6/20/2006. Available: <http://www.doody.com>
22. Rebecca T. Horvat, Ph.D., Review of “Molecular Principles of Fungal Pathogenesis” ASM Press, Publication date-Apr 2006, ISBN: 978-1-55581-368-0, 700 pages. Review published on 7/7/2006. Available: <http://www.doody.com>
23. Rebecca T. Horvat, Ph.D., Review of “Review of Medical Microbiology and Immunology, 9th edition” McGraw-Hill Incorporated, Publication date-Mar 2006, ISBN: 978-0-0714-6031-6, 659 pages. Review published on 7/20/2006. Available: <http://www.doody.com>
24. Rebecca T. Horvat, Ph.D., Review of “Outbreak: Cases in Real-World Microbiology” ASM Press, Publication date-May 2006, ISBN 978-1-55581-366-6, 336 pages. Review published on 8/21/2006. Available: <http://www.doody.com>
25. Rebecca T. Horvat, Ph.D., Review of “Pathogenic Treponema: Molecular and Cellular Biology” Caister Academic Press, Publication date-July 2006, ISBN 978-1-904455-10-3, 466 pages. Review published on 9/15/2006. Available: <http://www.doody.com>
26. Rebecca T. Horvat, Ph.D., Review of “Diagnostic Bacteriology Protocols (Methods in Molecular Biology),” Humana Press, Publication date-Jan 2006, ISBN 978-1-58829-594-1, 225 pages. Review published on 9/29/2006. Available: <http://www.doody.com>
27. Rebecca T. Horvat, Ph.D., Review of “Human Virology, 3rd Edition” Oxford University Press, Publication date-Jun 2006, ISBN 978-0-198566-6-01, 328 pages. Review published on 10/23/2006. Available: <http://www.doody.com>

28. Rebecca T. Horvat, Ph.D., Review of “Alpha Herpesviruses: Molecular and Cellular Biology” Caister Academic Press, Publication date-Aug 2006, ISBN 978-1-904455-09-7, 402 pages. Review published on 11/28/2006. Available: <http://www.doody.com>
29. Rebecca T. Horvat, Ph.D., Review of “Mucosal Immunology and Virology” Springer, Publication date-Aug 2006, ISBN 978-1-84628-206-5, 214pages. Review published on 12/21/2006. Available: <http://www.doody.com>
30. Rebecca T. Horvat, Ph.D., Review of “DNA Vaccines: Methods and Protocols, 2nd Edition.” Humana Press Inc., Publication date-2006, ISBN: 978-1-58829-484-5, Series Title: Methods in Molecular Medicine, v. 127, 384 pages. Review published on 1/11/2007. Available: <http://www.doody.com>
31. Rebecca T. Horvat, Ph.D., Review of “Oral Microbiology and Immunology”. ASM Press, Publication date-2006, ISBN: 978-1-55581-262-1, 458 pages Review published on 1/18/2007 Available: <http://www.doody.com>
32. Rebecca T. Horvat, Ph.D., Review of “Annual Review of Microbiology 2006.” Annual Reviews, Publication date-2006, ISBN: 978-0-8243-1160-5, ISSN: 0066-4227, Series Title: Annual Review of Microbiology, v. 60, 633 pages, Review published on 2/6/2007 Available: <http://www.doody.com>
33. Rebecca T. Horvat, Ph.D., Review of “Microbial Source Tracking.” ASM Press, Publication date-2007, ISBN: 978-1-55581-374-1, Series Title: Emerging Issues in Food Safety, 285 pages, Review published on 3/6/2007 Available: <http://www.doody.com>
34. Rebecca T. Horvat, Ph.D., Review of “Diagnostic Medical Parasitology, 5th Edition.” ASM Press, Publication date-2007, ISBN: 978-1-55581-380-2, 1202 pages, Review published on 3/12/2007 Available: <http://www.doody.com>
35. Rebecca T. Horvat, Ph.D., Review of “Antimicrobial Resistance in Bacteria.” Informa Healthcare/Taylor & Francis, Publication date-2007, Imprint: Horizon Bioscience. ISBN: 978-1-904933-24-3, 201 pages, Review published on 3/21/2007 Available: <http://www.doody.com>
36. Rebecca T. Horvat, Ph.D., Review of “Medical Mycology: Cellular and Molecular Techniques.” John Wiley & Sons, Inc., Publication date-2007, ISBN: 978-0-470-01923-8, 330 pages, Review published on 3/27/2007 Available: <http://www.doody.com>
37. Rebecca T. Horvat, Ph.D., Review of “Molecular Biology of the Flavivirus.” Informa Healthcare/Taylor & Francis, Publication date-2006, Imprint: Horizon Bioscience, ISBN: 978-1-904933-22-9, 380 pages, Review published on 3/30/2007 Available: <http://www.doody.com>
38. Rebecca T. Horvat, Ph.D., Review of “The Periplasm.” ASM Press, Publication date-2007, ISBN: 978-1-55581-398-7, Review published on 4/3/2007 Available: <http://www.doody.com>
39. Rebecca T. Horvat, Ph.D., Review of “Research and Applications in Bacteriocins.” Informa Healthcare/Taylor & Francis, Publication date-2007, Imprint: Horizon Bioscience. ISBN: 978-1-904933-23-6, Review published on 4/23/2007 Available: <http://www.doody.com>
40. Rebecca T. Horvat, Ph.D., Review of “AIDS Vaccine Development: Challenges and Opportunities.” Caister Academic Press, Publication date-2007, ISBN: 978-1-904455-11-0, Review published on 5/07/2007 Available: <http://www.doody.com>
41. Rebecca T. Horvat, Ph.D., Review of “Microbes: Health and Environment.” Caister Academic Press, Publication date-Sept 2006, ISBN: 978-1-904798-97-2, 400 pages Review published on 5/14/2007 Available: <http://www.doody.com>

42. Rebecca T. Horvat, Ph.D., Review of “Candida: Comparative and Functional Genomics.” Caister Academic Press, Publication date-2007, ISBN: 978-1-904455-13-4, Review published on 5/25/2007 Available: <http://www.doody.com>
43. Rebecca T. Horvat, Ph.D., Review of “Microbiology: PreTest Self-Assessment and Review.” McGraw-Hill Medical, Publication date-Mar 2007, ISBN: 978-0-07147194- , 400 pages Review published on 6/04/2007 Available: <http://www.doody.com>
44. Rebecca T. Horvat, Ph.D., Review of “Archaea: Molecular and Cellular Biology.” ASM Press, Publication date-2007, ISBN: 978-1-55581-391-8, Review published on 6/14/2007 Available: <http://www.doody.com>
45. Rebecca T. Horvat, Ph.D., Review of “Salmonella: Molecular Biology and Pathogenesis.” Horizon Bioscience, Publication date-Feb 2007, ISBN: 978-1-904933-26-7, 194 pages, Review published on 6/29/2007 Available: <http://www.doody.com>
46. Rebecca T. Horvat, Ph.D., Review of “Enzyme-Mediated Resistance to Antibiotics: Mechanisms, Dissemination, and Prospects for Inhibition.” ASM Press, Publication date-2007, ISBN: 978-1-55581-303-1, - Review published on 7/13/2007 Available: <http://www.doody.com>
47. Rebecca T. Horvat, Ph.D., Review of “Bacillus: Cellular and Molecular Biology.” Caister Academic Press, Publication date- May 2007, ISBN: 978-1-904455-12-7, 454 pages, Review published on 7/20/2007 Available: <http://www.doody.com>
48. Rebecca T. Horvat, Ph.D., Review of “Adenovirus Methods and Protocols - Volume 1: Adenoviruses and Vectors, Quantitation, and Animal Models, 2nd Edition.” Humana Press Inc., Publication date-2007, ISBN: 978-1-58829-598-9, ISSN: 1543-1894, Series Title: Methods in Molecular Medicine, v. 130, Review published on 7/26/2007 Available: <http://www.doody.com>
49. Rebecca T. Horvat, Ph.D., Review of “Adenovirus Methods and Protocols - Volume 2: Ad Proteins, RNA, Lifecycle, Host Interactions, and Phylogenetics, 2nd Edition”. Humana Press Inc., Publication date-2007, ISBN: 978-1-58829-901-7, Series Title: Methods in Molecular Medicine, v. 131, Review published on 8/3/2007 Available: <http://www.doody.com>
50. Rebecca T. Horvat, Ph.D., Review of “Infections Causing Human Cancer.” John Wiley & Sons, Inc., Publication date-2007, ISBN: 978-3527310562, Review published on 8/28/2007 Available: <http://www.doody.com>
51. Rebecca T. Horvat, Ph.D., Review of “Molecular Biology of Streptococci”. Horizon Bioscience, Publication date-, Apr 2007, ISBN: 978-1-904933-32-8, 578 pages, Review published on 9/07/2007 Available: <http://www.doody.com>
52. Rebecca T. Horvat, Ph.D., Review of “Molecular Genetics of Bacteria, 3rd Edition”. ASM Press, Publication date-, 2007, ISBN: 978-1-55581-399-4, Review published on 9/27/2007 Available: <http://www.doody.com>
53. Rebecca T. Horvat, Ph.D., Review of “Superantigens: Molecular Basis for Their Role in Human Diseases”. ASM Press, Publication date-, July 2007, ISBN: 978-1-55581-424-3, 263 pages, Review published on 10/08/2007 Available: <http://www.doody.com>
54. Rebecca T. Horvat, Ph.D., Review of “ Real-Time PCR in Microbiology: From Diagnosis to Characterization” Caister Academic Press, Publication date-2007, ISBN: 978-1-904455-18-9. - Review published on 10/16/2007 Available: <http://www.doody.com>

55. Rebecca T. Horvat, Ph.D., Review of “Virology: Principles and Applications.” John Wiley & Sons, Publication date-Aug 2007, ISBN: 978-0-470-02387-7 – 382 pages, Review published on 11/02/2007 Available: <http://www.doody.com>
56. Rebecca T. Horvat, Ph.D., Review of “Virulence Mechanisms of Bacterial Pathogens, 4th Edition.” ASM Press, Publication date-2007, ISBN: 978-1-55581-469 – Review published on 11/15/2007 Available: <http://www.doody.com>
57. Rebecca T. Horvat, Ph.D., Review of “Virulence Methods for General and Molecular Microbiology.” ASM Press, Publication date-July 2007, ISBN: 978-1-55581-2- – 1,069 pages, Review published on 11/29/2007 Available: <http://www.doody.com>
58. Rebecca T. Horvat, Ph.D., Review of “Acinetobacter: Molecular Biology.” Caister Academic Press, Publication date-Jan 2008, ISBN: 978-1-904455-20-2 – 348 pages, Review published on 1/28/2008
59. Rebecca T. Horvat, Ph.D., Review of “Annual Review of Microbiology, Volume 61,.” Annual Reviews, Publication date-Oct 2007, ISBN: 978-0-8243-1161-2- – 618 pages, Review published on 1/31/2008 Available: <http://www.doody.com>
60. Rebecca T. Horvat, Ph.D., Review of “Viral Pathogenesis and Immunity, Second Edition.” Academic Press, Publication date-Apr 2007, ISBN: 978-0123694645– 280 pages, Review published on 2/07/2008 Available: <http://www.doody.com>
61. Rebecca T. Horvat, Ph.D., Review of “Toxoplasma Gondii: The Model Apicomplexan. Perspectives and Methods.” Academic Press, Publication date-Apr 2007, ISBN: 978-1-236954-2-0 – 800 pages, Review published on 2/28/2008 Available: <http://www.doody.com>
62. Rebecca T. Horvat, Ph.D., Review of “Microbial Risk Analysis of Foods.” Blackwell Publishing, Publication date-Apr 2008, ISBN: 978-1-55581-461-8– 252 pages, Review published on 3/21/2008 Available: <http://www.doody.com>
63. Rebecca T. Horvat, Ph.D., Review of “Evolutionary Biology of Bacterial and Fungal Pathogens.” ASM Press, Publication date-Oct 2007, ISBN: 978-1-55581-414-4 , 622 pages, Review published on 4/2/2008 Available: <http://www.doody.com>
64. Rebecca T. Horvat, Ph.D., Review of “Clinical Microbiology and Infectious Diseases.” Elsevier, Publication date-Nov 2007, ISBN: 978-0-443-10303-2, 264 pages, Review published on 4/18/2008 Available: <http://www.doody.com>
65. Rebecca T. Horvat, Ph.D., Review of “New Antibiotic Targets Series: [Methods in Molecular Medicine](#) , Vol. 142 .” Springer, Publication date-Jan 2008, ISBN: 978-1-58829-915-4, 274 pages, Review published on 4/25/2008 Available: <http://www.doody.com>
66. Rebecca T. Horvat, Ph.D., Review of “Avian Influenza Virus.” Humana Press, Publication date-Feb 2008, ISBN: 978-1588299390,141 pages, Review published on 5/12/2008 Available: <http://www.doody.com>
67. Rebecca T. Horvat, Ph.D., Review of “Chemical Communication among Bacteria.” ASM Press, Publication date-Apr 2008, ISBN: 978-1555814045, 483 pages, Review published on 5/22/2008 Available: <http://www.doody.com>
68. Rebecca T. Horvat, Ph.D., Review of “Mims' Medical Microbiology, 3rd edition.” Elsevier, Publication date-Oct-2007, ISBN: [978-0-323-04475-2](#) , 668 pages, Review published on 6/23/2008 Available: <http://www.doody.com>

69. Rebecca T. Horvat, Ph.D., Review of “New Insights in Medical Mycology.” Springer, Publication date-Nov 2007, ISBN: [978-1-4020-6396-1](#), 304 pages, Review published on 6/26/2008 Available: <http://www.doody.com>
70. Rebecca T. Horvat, Ph.D., Review of “Legionella: Molecular Microbiology.” Caister Academic Press, Publication date-Apr 2008, ISBN: 978-1-904455-26-4, 249 pages, Review published on 7/11/2008 Available: <http://www.doody.com>
71. Rebecca T. Horvat, Ph.D., Review of “*Campylobacter*, 3rd Edition.” ASM Press, Publication date-May- 2008, ISBN: [978-15558-1437-3](#), 732 pages, Review published on 7/24/2008 Available: <http://www.doody.com>
72. Rebecca T. Horvat, Ph.D., Review of “*Legionella Pneumophila*: Pathogenesis and Immunity.” Springer, Publication date-Aug 2007, ISBN: [978-0-387-70895-9](#), 376 pages, Review published on 7/31/2008 Available: <http://www.doody.com>
73. Rebecca T. Horvat, Ph.D., Review of “Emerging Protozoan Pathogens.” Garland Science, Publication date-Dec 2007, ISBN: 978-0-415-42864-4, 384 pages, Review published on 8/18/2008 Available: <http://www.doody.com>
74. Rebecca T. Horvat, Ph.D., Review of “Corynebacteria: Genomics and Molecular.” Caister Academic Press, Publication date-June 2008, ISBN: [978-1-904455-30-1](#), 340 pages, Review published on 8/28/2008 Available: <http://www.doody.com>
75. Rebecca T. Horvat, Ph.D., Review of “Corynebacteria: Genomics and Molecular.” Caister Academic Press, Publication date-June 2008, ISBN: [978-1-904455-30-1](#), 340 pages, Review published on 8/28/2008 Available: <http://www.doody.com>

Peer Review Activity

Editorial Review Group Chair for topics in Microbiology/Virology Doody’s Enterprises - Doody's Book Review Service - From 2005 to present

Manuscript reviews for:

- Diagnostic Microbiology and Infectious Disease (Elsevier),
- Laboratory Medicine (American Society of Clinical Pathology),
- Journal of Clinical Microbiology (American Society of Microbiology)
- Journal of Clinical Virology (Elsevier)
- Journal of Clinical Virology And Immunology (American Society of Microbiology)

Service to Public Health

- Member of the Kansas State Advisory Taskforce for the Statewide Needs Assessment of Health Professionals and EMS Personnel

P. Invited lectures, workshops, etc. at local and regional courses and meetings:

Local (Kansas City area)

1. Oct 30, 1992 - Postgraduate Symposium in Clinical Laboratory Sciences, University of Kansas Medical Center, School of Allied Health, Department of Medical Technology Overland Park, KS
Title: Molecular diagnosis of leukemias and lymphomas
2. June 15, 1993 - Nichols Laboratory, Kansas City, MO Title: PCR in the Clinical Laboratory

3. January 1994 - University of Kansas, Department of Microbiology, Lawrence, Kansas
Title: New Developments in Clinical Microbiology
4. April 7, 1994 - Missouri Society for Medical Technology/Kansas Society for Medical Technology/Clinical Laboratory Management Association, Spring Meeting
Title: Molecular Diagnosis of Infectious Disease
5. May 1994 - University of Kansas Medical Center, Family Practice Department
Title: Antimicrobial Susceptibility Testing: Methods and Regulation
6. Nov 15, 1994 - University of Kansas Medical Center, Kansas City, KS Integrative Clinical Microbiology Antibiotic Workshop, Pharmacist-Physician-Microbiologist Interaction

Nov 15, 1994 - Integrative Clinical Microbiology Workshop Pharmacist-Physician-Microbiologist Interaction, University of Kansas Medical Center, Kansas City, KS

Nov 18, 1994 – Third Annual - Advances in Clinical Management of Infectious Diseases, Kansas City, MO Sponsored by: University of Kansas Medical Center, Infectious Disease Division

Oct 20, 1995 – Forth Annual Title: Laboratory exercises illustrating new techniques for identifying bacterial, viral, and fungal causes for infection
Oct 11, 1996 – Fifth Annual
Oct 9, 1997 – Sixth Annual
Oct 3, 1998 – Seventh Annual
Oct 1, 1999 – Eighth Annual
7. Oct 8, 2000 – Ninth Annual
8. Jan 17, 1995, May 17, 1995, Nov 14, 1995 University of Kansas, Kansas City, KS
Title: Clinical Microbiology Workshop Two hour workshop: Hands on technique in antimicrobial susceptibility testing for pharmacists and physicians
9. Mar 24, 1995 - Mary Ann Thompson Memorial Cancer Seminar, Johnson County Community College, Overland Park, KS
Title: Turning Genes Off and On
10. July 26, 1995 - Belton/Raymore Rotary Club, Raymore, MO
Title: Untangling the DNA message
11. May 17, 1996 - American Society for Histocompatibility and Immunogenetics, Kansas City, MO
Title: DNA-Other uses in the laboratory
12. Jan 23, 1996 - Pharmacy Development Seminar, University of Kansas Medical Center Department of Pharmacy, Continuing Education, Kansas City, KS
Title: Microbiology: Review of Clinical Microbiology Results and Reporting
13. Jan 30, 1996 - Pharmacy Development Seminar, University of Kansas Medical Center, Department of Pharmacy, Continuing Education, Kansas City, KS
Title: Antimicrobial Susceptibility Results and the Antibiogram in Therapeutic Decision Making
14. Jan 15, 1997 - Infectious Disease Continuing Education, Baptist Medical Center, Kansas City, MO
Title: Update on New Procedures in Microbiology
15. July 31, 1997 - Human Genome Teacher Networking Project Workshop, University of Kansas Medical Center, Kansas City, KS
Title: Practical Uses of Molecular Techniques in Clinical Diagnosis
16. Sept 12, 1997 - Title: Untangling the DNA Diagnostic Tests, Clinical Laboratory Inservice, Clinical Laboratory, University of Kansas Medical Center
17. Mar 6, 1998 - Pediatrics Grand Rounds, University of Kansas Medical Center

Title: The ABC's of Specimen Collection: From Blood to Urine

18. Sept 30, 1998 - Family Medicine Grand Rounds, University of Kansas Medical Center
Title: The ABC's of Specimen Collection: From Blood to Urine
19. Feb 3, 1999 - Department of Pathology and Laboratory Medicine Research Seminar, University of Kansas Medical Center
Title: Molecular epidemiology and antimicrobial susceptibility of clinical isolates of *Streptococcus pneumoniae*
20. Mar 11, 1999 - Swope Parkway Health Center Kansas City, MO
Title: The ABC's of Specimen Collection: From Blood to Urine
21. April 23, 1999 - Board Review Course, American Association of Family Medicine, Kansas City, MO
Title: Review of Infectious Disease Laboratory Testing
22. Aug 1, 1999 - Family Medicine Resident Conference, University of Kansas Medical Center, Kansas City, KS
Title: Antibiotic Resistance in Clinical Isolates of *Streptococcus pneumoniae* and Association with Pneumonia Outcomes
23. Sept 1, 1999 - Current Clinical Practice Conference, Research Medical Center, Kansas City, MO
Title: Antibiotic Resistance in Clinical Isolates of *Streptococcus pneumoniae* and Association with Pneumonia Outcomes
24. Dec 2, 1999 - Clinical Practice Conference, Shawnee Mission Medical Center, Shawnee, KS
Title: Antibiotic Resistance in Clinical Isolates of *Streptococcus pneumoniae* and Association with Pneumonia Outcomes
25. Feb 8, 2000 - Continuing Education Program, Gentry County Hospital, Albany, MO
Title: Antibiotic Resistance in Gram + Bacteria
26. May 9, 2000 - Lawrence Memorial Hospital Clinical Practice Conference, Lawrence, KS
Title: Antibiotic Resistance in Clinical Isolates of *Streptococcus pneumoniae* and Association with Pneumonia Outcomes
27. Sept 26, 2000 - Clinical Practice Conference, Baptist Medical Center, Kansas City, MO
Title: Antibiotic Resistance in Clinical Isolates of *Streptococcus pneumoniae* and Association with Pneumonia Outcomes
28. October 2, 2000 - Regional Pulmonary Conference, Kansas City, MO
Title: Bugs, Drugs and susceptibilities
29. Dec 1, 2000 - Regional ICU Physician Conference, Kansas City, MO
Title: Antibiotic Resistance in Gram + Bacteria
30. January 20, 2001 - Lawrence Internal Medicine Conference, Lawrence, KS
Title: Pneumococcal Pneumonia from Bench top to Bedside and Back
31. Jan 27, 2001 - Manhattan-Salina Internal Medicine Conference, Lawrence, KS
Title: Pneumococcal Pneumonia from Bench top to Bedside and Back
32. Mar 28, 2001 - Olathe Regional Hospital Pharmacy Conference, Olathe, KS
Title: Pneumococcal Pneumonia from Bench top to Bedside and Back
33. May 17, 2001 Regional Internal Medicine Conference, Kansas City, MO
Title: Pneumococcal Pneumonia from Bench top to Bedside and Back
34. Mar 15, 2002 – Medical Grand Rounds, St. Luke's Hospital, Kansas City, MO
Title: *Streptococcus pneumoniae* from the Bench top to the Bedside and Back
35. April 26, 2002 – Kansas Pharmacists Association Annual Meeting, Overland Park, KS

Title: Use of Antibiograms and Susceptibility Reports in the Clinical Setting

36. May 13, 2003 – Kansas City Area Infection Control Association, Kansas City, KS
Title: Mechanisms of Antibiotic Resistance in Gram Positive Bacteria
37. Sept 13, 2003 – Southwestern Association for Clinical Microbiology, Kansas City, MO
Title: Workshop – Antibiogram Development
38. Oct 17, 2003 – Pediatric Grand Rounds, University of Kansas, Kansas City, KS
Title: Approach to Managing the Antibiogram Data
39. April 2, 2004 – American Society for Microbiology –Joint meeting of the Missouri Branch and Missouri Valley Branch, Kansas City, MO.
Title: Pneumococcal pneumonia: From Benchtop to Bedside and Back
40. May 6, 2004 – Spring Meeting of Emergency Physicians Foundation, Kansas City, MO
Title: Pneumococcal pneumonia: From Benchtop to Bedside and Back
41. July 14, 2005 – American Medical Technologists National Meeting, Kansas City, MO
Title: Antibiotic Resistance Testing
42. November 3, 2005 – Half day workshop for Southwestern Association of Clinical Microbiology, Kansas City MO
Title: Update on Antimicrobial Resistance Testing
43. April 6, 2006 – General Session –Joint Meeting of the Kansas Society for Clinical Laboratory Science and the Missouri Organization for Clinical Laboratory Science - Lenexa, Kansas
Title: Detection of Cellular Immunity to Infectious Disease
Title: Hepatitis B Testing
44. November 29, 2006 – Invited speaker – Kansas City Area Infectious Disease Society – Kansas City, MO
Title: Review of Emerging Antibiotic Resistance in Gram Positive Pathogens
45. April 29, 2004 – IDS and MEDICUS CME program Kansas City, MO
Title: Laboratory Issues Regarding Antibiotic Resistance

Regional (States of Kansas /Missouri)

1. April 3, 1997 - Joint Meeting of Kansas Society for Clinical Laboratory Science and Clinical Laboratory Management Association, Wichita, KS
Title: Update on Diagnosis of Mycobacteria spp. in the Laboratory
2. April 1, 2000 - Whole Day Workshop for Southwestern Association of Clinical Microbiologist, Salina, Kansas
Title: Detection of Antibiotic Resistance in Gram + Bacteria and Case Reports
3. Aug 13, 2000 - Regional Medical Practice Conference, Family Medicine, Osage Beach, MO
Title: Laboratory Diagnosis of Respiratory Infections
4. May 3, 2001 - Kansas Society of Clinical Laboratory Scientist/ Clinical Laboratory Management Association, Annual Meeting, Wichita, KS
Title: Mechanisms of Antibiotic Resistance in Gram Positive Bacteria
5. May 3, 2001 - Kansas Society of Clinical Laboratory Scientist/ Clinical Laboratory Management Association, Annual Meeting, Wichita, KS
Title: Infectious Disease Cases
6. July 12, 2001 - Wichita Infectious Disease Conference, Wichita, KS
Title: Pneumococcal Pneumonia from Bench top to Bedside and Back

7. Sept 8, 2001 - Half-day Workshop for Southwestern Association of Clinical Microbiologist, Annual Meeting, Wichita, KS
Title: Mechanisms of Antibiotic resistance in Gram Positive Bacteria
8. Jan 23, 2002 - Topeka Internal Medicine Society, Topeka, KS
Title: Pneumococcal Pneumoniae Outcomes in Adult Patients
9. Feb 4, 2002 – Grand Rounds, Mercy Hospital, Manhattan, KS
Title: Streptococcus pneumoniae from the Bench top to the Bedside
10. Feb 20, 2002 – Medical Continuing Education Seminar, Hutchinson Hospital, Hutchinson, KS
Title: Streptococcus pneumoniae from the Bench top to the Bedside
11. Feb 5, 2003 – Pulmonary Grand Rounds, St. Francis Medical Center, Topeka, KS
Title: Implications for the Treatment of Community Pneumonias
12. April 4, 2003 – KSCLS/CLMA, Hutchinson, KS
Title: Antibiotic Resistance 2003, an Update
13. April 10, 2003 – Continuing Medical Education Program, Fitzgibbon Hospital, Marshall, MO
Title: Pneumonia from the Bench top to the Bedside
14. April 14, 2003 - First Responders Response to Bioterrorism, Wichita, KS
Title: Overview of Bioterrorism Agents: Practical Issues
15. Sept 7, 2003 – Kansas Academy of Physician Assistants, Manhattan, KS
Title: Update of Antibiotic Resistance
16. Oct 2, 2003 – 9th Annual Advances in Infectious Diseases Symposium, Topeka, KS
Title: What’s new in Antibiotic Resistance?
17. Oct 3, 2003 – 2003 Heart of America Fall Conference of the Kansas Academy of Physician Assistants Salina, KS Title: Antibiotic Resistance Update for 2003”
18. Dec 3, 8 and 12, 2003 – Response to Terrorism & Emerging Infections- Multidisciplinary Conferences to prepare health professionals for collaborative response
Title: Response to Bioterrorism: The role of the Clinical Laboratory
Dec 3 – Overland Park, KS, Dec 8 – Topeka, KS, Dec 12 – Garden City, KS
19. November 18-19, 2004 - Response to Terrorism & Emerging Infections- Multidisciplinary Conferences
Title: Responding to Terrorism: Role and Responsibility of Diagnostic Laboratories
Wichita, Kansas and Hays, Kansas

National (States outside of Kansas /Missouri)

1. Oct 28,1998 - Workshop for Southwestern Association of Clinical Microbiology (SWACM), Dallas, TX Title: New Technology and Automation in Mycobacteriology and “Cases in Mycobacteriology
2. Feb 12, 2000 - Denver Area Pediatrics Conference, Denver, CO
Title: Antibiotic Resistance in Clinical Isolates of *Streptococcus pneumoniae* and Association with Pneumonia Outcomes
3. April 10, 2000 - Half-day Workshop for Arkansas/Oklahoma Clinical Laboratory Scientists, Tulsa, OK

Title: Problems with Antibiotic resistance in Gram + Cocci

4. Jan 31, 2002 – Des Moines Pediatric Society, Des Moines, IA
Title: Antibiotic Resistance in Streptococcus pneumoniae Isolates
5. Feb 1, 2002 – Pediatric Grand Rounds, Blank Children’s Hospital – Des Moines, IA
Title: Streptococcus pneumoniae from the Bench top to the Bedside
6. Mar 19, 2002 – Pediatric Grand Rounds, Denver Children’s Hospital, Denver, CO
Title: Antibiotic Resistance in Streptococcus pneumoniae Isolates
7. Mar 20, 2002 – Pueblo Medical Society, Pueblo, CO
Title: Streptococcus pneumoniae from the Bench top to the Bedside and Back
8. Sept 19, 2002 – Medicine Grand Rounds, Fairview Southdale Hospital, Edina, MN
Title: Antibiotic Resistance and Mechanisms in Gram Positive Bacteria
9. Sept 20, 2002 – Continuing Medical Education Conference, Fairview Ridges Hospital, Burnsville, MN
Title: Streptococcus pneumoniae from the Bench top to the Bedside and Back
10. September 2005 – Whole day workshop, Annual meeting of Southwestern Association of Clinical Microbiology, Tulsa Oklahoma Title: Methods of Antimicrobial Resistance Testing
11. December 14, 2006 – Invited speaker – Ashville Area Hospital Pharmacy Association – Ashville, N. C. Title: The Interaction of *Streptococcus pneumoniae* with Host epithelial cells
12. July 26, 2007 - University of Texas Medical Branch, Department of Pathology
Title: Adult Pneumonococcal Pneumonia Outcomes and Prevention

International (outside the United States)

1. Oct 16-18, 2007 – ABLE MIC and PK/PD for Targeting Therapy AB Biodisk, Solna, Sweden

Q. MISCELLANEOUS ITEMS:

- Coordinator of the Clinical Microbiology Lecture Sessions
1993 Joint Annual Meeting of Missouri Branch/Missouri Valley Branch
American Society for Microbiology March 1993.
- Coordinator of Speaker Program for Kansas City Area Society for Microbiology
Fall and Spring Program 1996 to present.
- Southwestern Association of Clinical Microbiology, Northeastern Kansas Regional Workshop Coordinator,
January 1999 – 2003.
- Microbiology consultant for Midwest Research Institute, Kansas City, MO, May 1999 - present.
- Clinical Microbiology Consultant for Litton Pathology, Blue Springs, MO, February 1998 – 2000
- Chairperson for the Annual Southwestern Association for Clinical Microbiology meeting in Kansas City,
MO – Sept 2003

Additional Training:

- Aug 2, 2002 - Emergency Response to Terrorism: Basic Concepts, US Dept of Justice
- Sept 10, 2002 – Hospital Emergency Management: Concepts and Implications of WMD Terrorist Incidents Course, US Dept of Justice
- May 23, 2004 – Conducting Research with Select Agents, American Society for Microbiology Workshop #104-26, New Orleans, LA.
- November 2005 – Developed a continuing education monograph for pharmacists regarding Antibigram development and use. CE Concepts Inc.