

Curriculum vitae

Donald C. Lehman

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Education

Doctor of Education: 2002. Educational Leadership, University of Delaware, Newark, DE.
Executive Position Paper: *Development and Evaluation of a Computer Program to Grade Student Performance on Peripheral Blood Smears*

Master of Science: 1983. Microbiology and Immunology, Wright State University, Dayton, OH.
Thesis: *The Concentration and Purification of Encephalomyocarditis Virus*

Bachelor of Science: 1979. Medical Technology, Wright State University, Dayton, OH.

Medical Technology Internship: 1979. Good Samaritan Hospital, Dayton, OH.

Certification

Medical Laboratory Scientist, Certificate Maintenance Program. 2014. American Society for Clinical Pathology

Specialist Certification Public Health and Medical Laboratory Microbiology. 1986. National Registry of Microbiology

Medical Technologist. 1979. American Society for Clinical Pathology

Employment History

Associate Professor

September 2008 to Present

Department of Medical Laboratory Sciences

University of Delaware

Newark, DE

In 2008, I was promoted from assistant to associate professor. I have held a nontenure track faculty position since 1991. I lecture to medical laboratory science and medical diagnostic students on the topics of microbiology, which include bacteriology, virology, parasitology, immunology and serology, and statistics. I also teach courses on forensic science and medical terminology open to majors and nonmajors. In addition, I teach an introductory microbiology course for allied health professionals. In the accompanying laboratories, I supervise the instruction of students by a laboratory instructor and originally wrote the laboratory manuals. Now the laboratory instructors are responsible for revising the manuals. My other responsibilities include undergraduate student advising and committee and other service. Part of my workload, 25%, is assigned to the Center for Premedical and Health Profession Studies

Laboratory Coordinator for Microbiology

July 1990 to September 1991

Department of Medical Technology
University of Delaware

My responsibilities included the preparation and instruction of microbiology laboratories for medical technology students. In addition, I was a research assistant on a project to characterize nutritional mutants of *Burkholderia cepacia*.

Lecturer/Research Assistant

July 1983 to June 1990

Department of Microbiology and Immunology
Wright State University, Dayton, OH

My responsibilities included, lecturing on all aspects of microbiology. I lectured to nursing and medical technology majors, master's students and medical students. In addition, I was responsible for the supervision of all departmental teaching laboratories, writing student manuals, supervising graduate teaching assistants, and ordering materials within a budget.

Adjunct Faculty

September 1987 to June 1990

Department of Biology
Wright State University, Dayton, OH

I lectured on the topics of diagnostic microbiology to medical technology majors during their senior year.

Medical Technologist

August 1979 to August 1983

Community Hospital
Springfield, OH

Duties included the collection and processing of clinical specimens, identification and sensitivity testing of clinical isolates, helping to write a procedure manual, and the instruction of medical technology students during their internship year.

Publications

Lehman D. C. Immunoproliferative diseases. In: Stevens, C.D. & Miller, L., eds. In: *Clinical immunology & serology*, 4th ed. Philadelphia: F.A. Davis; in press.

Lehman D. C. American Proficiency Institute. The pathogenesis and treatment of *Neisseria gonorrhoeae* infection. Continuing education peer-reviewed article. 2015.

Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015. I also wrote or co-wrote several chapters.

Lehman D. C. Forensic microbiology. *Clinical Microbiology Newsletter*, 2014;36(7):49-54.

Welsh A, **Lehman DC.** Examining the causal link between antimicrobial therapy and hospital-acquired infections. *Adv for Med Lab Prof Website*. April 30, 2012. Available at: <http://laboratory-manager.advanceweb.com/Features/Articles/Vancomycin-Resistant-Enterococcus.aspx>.

Muhuri D, **Lehman DC.** *Yersinia Pestis*: New trends in the diagnosis of an old pathogen. *Adv for Med Lab Prof Website*. April 16, 2012. Available at: <http://laboratory-manager.advanceweb.com/Features/Articles/Yersinia-Pestis.aspx>.

Frerichs N, **Lehman DC.** Group B Strep and neonatal infections: Can new standards reduce the incidence of this important pathogen? *Adv for Administrators of the Lab Website*. April 2, 2012. Available at: <http://laboratory-manager.advanceweb.com/Web-Extras/Online-Extras/Group-B-Strep-and-Neonatal-Infections.aspx>

Pusecker KL, Torres, MR, Crawford I, Levia D, **Lehman DC,** Copic G. A comparison of assessing general education goals with freshmen and senior students by implementing the Abbreviated Educational Proficiency Profile compared to the adapted American Association of College and Universities Valid Assessment of Learning in Undergraduate Education (VALUE) rubrics. *Peer Review*, 2012;13/14:27-30.

Lehman DC. Focus: Forensic science: Introduction to forensic science. *Clin Lab Sci*. 2012;25:107-108.

McDonald J, **Lehman DC.** Focus: Forensic science: Forensic DNA analysis. *Clin Lab Sci*. 2012;25:109-113.

Lehman DC. Focus: Forensic science: Forensic microbiology. *Clin Lab Sci*. 2012;25:114-119.

Ciulla A.P., **Lehman D.C,** eds. 2010. *Success! In Clinical Laboratory Science*, 4th ed. Boston: Pearson.

Mahon C. R., **Lehman, D. C.,** Manuselis, G., eds. 2011. *Textbook of diagnostic microbiology*, 4th ed. Maryland Heights, MO: Saunders Elsever.

Lehman D. C. 2011. Biochemical identification of gram-negative bacteria. *In* Mahon C. R., **Lehman, D. C.,** Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C. 2011. Immunodiagnosis of infectious diseases. *In* Mahon C. R., **Lehman, D. C.,** Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C., Mahon C. R., Suvarna K. 2011. *Streptococcus, Enterococcus,* and other catalase-negative gram-positive cocci. *In* Mahon C. R., **Lehman, D. C.,** Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C., Mahon C. R.. 2011. *Chlamydia* and *Rickettsia*. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C., Mahon C. R.. 2011. *Mycoplasma*, and *Ureaplasma*. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C., Marsik F.J. 2011. Biofilms: architects of disease. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C. and Hoffman M. Immunoproliferative diseases. In: Stevens, C.D., ed. *Clinical immunology & serology*, 3rd ed. Philadelphia: F.A. Davis; 2010:248-261.

Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. 2008. *Textbook of diagnostic microbiology*, 3rd ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C. 2008. Biochemical identification of gram-negative bacteria. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C. 2008. Immunodiagnosis of infectious diseases. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C., Mahon C. R., Suvarna K. 2008. *Streptococcus*, *Enterococcus*, and other catalase-negative gram-positive cocci. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. Philadelphia, PA: W.B. Saunders Co.

Mahon C. R., **Lehman D. C.** 2008. *Chlamydia*, *Mycoplasma*, and *Ureaplasma*. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. Philadelphia, PA: W.B. Saunders Co.

Thomas J. G., **Lehman D. C.** 2008. Biofilms: architects of disease. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. Philadelphia, PA: W.B. Saunders Co.

Lehman D. C. 2008. On bugs and drugs: Problems with *S. pneumoniae* drug resistant strains have higher rates of treatment failure.. Available at: <http://laboratory-manager.advanceweb.com/Article/On-Bugs-and-Drugs-3.aspx>

Boyer-Andersen, R., **Lehman D. C.** 2007. The black death: plague has potential for use as a bioterrorism agent. *Advance for Med. Lab. Prof.* 19(19):18-21;2007.

Snow, S., **Lehman, D.C.** 2007. Vancomycin-resistant *Staphylococcus aureus*: implement control measures and precautions to prevent the transmission of VRSA. *Advance for Med. Lab. Prof.* 19(10):10-13.

- Lehman D. C.** 2006. *Sexually transmitted diseases*. A self-study course offered through the Colorado Association for Continuing Medical Laboratory Education.
- Gomes A, **Lehman D. C.** 2006. Problems with pampering. *Advance for Medical Laboratory Professionals*. 18:12-15.
- Ambrosio P., **Lehman D. C.** 2006. Nosocomial infections: the clinical microbiology lab plays a vital role in diagnosing and monitoring hospital acquired infections. *Advance for Medical Laboratory Professionals*. Online, but no longer available.
- Laatsch L., Britton L., Keeting S., Kirchner P., **Lehman D.** , et al. 2005. Cooperative learning effects on teamwork attitudes in clinical laboratory science students. *Clin Lab Sci*. 18:150-159.
- Osgood, S., **Lehman, D. C.** 2005. Detection of methicillin resistant *Staphylococcus aureus*: rapid isolation translates into less healthcare-related costs. *Advance for Medical Laboratory Professionals*. 17(19):18-9.
- Young, D., **Lehman, D. C.** 2004. Strain Stress Colony variants of *S. aureus* offer new challenges to microbiologists. *Advance for Medical Laboratory Professionals*, 16(19), 26-7.
- Lehman, D. C.** 2003. BISC300: Introduction to Microbiology. CD-ROM to accompany BISC 300: Introduction to Microbiology taught at the University of Delaware. Kendall/Hunt Publishing.
- Lehman, D. C.** 2003. Rapid diagnostic testing in microbiology. *Medical Laboratory Observer*. 35(5):32-34, 36.
- Smith, C., **Lehman, D. C.** 2003. Therapeutic uses for the neurotoxin of *Clostridium botulinum*. *Advance for Medical Laboratory Professionals*. 15(4):21-2.
- Young, D., **Lehman, D. C.** 2002. Methicillin-resistant *Staphylococcus aureus*: Can infection control methods be cost-effective? *Advance for Medical Laboratory Professionals*, 14(21), 21-23.
- Lehman D. C.** 2002. Parasitology. In A. P. Ciulla & G. K. Buescher (eds.) *Q & A Review Medical Technology/Clinical Laboratory Science*, 3rd edition. Upper Saddle River, NJ: Prentice Hall.
- Lehman D. C.** 2002. Computer and Laboratory Informatics. In A. P. Ciulla & G. K. Buescher (eds.) *Q & A Review Medical Technology/Clinical Laboratory Science*, 3rd edition. Upper Saddle River, NJ: Prentice Hall.
- Lehman D. C.** 2000. *Chlamydia pneumoniae* and CHD: Finding the link. *Advance for Medical Laboratory Professionals*. 12(16):8-12.
- Lehman D. C.** 2000. Designing hypertext multimedia educational software. *Asynchronous Learning Networks (ALN) magazine*. Website no longer active.
- Lehman D. C.** 2000. *Laboratory Diagnosis of Hemolytic Uremic Syndrome*. ASCP Tech Sample.
- Lehman D. C.**, Blazes, W. 2000. West Nile-Like Virus: A Surprise Visitor to U.S. Coast. *Advance*

for *Medical Laboratory Professionals* 12(2):31-34.

Blazes W., **Lehman, D. C.** 1999. *Salmonella* are finding new ways to infect humans. *Advance for Medical Laboratory Professionals*. 11(21):24-26.

Lehman D. C. 1998. Learning Scope: Molecular diagnostics in the clinical laboratory. *Advance for Medical Laboratory Professionals* 11(2):7-12.

Lehman D. C. 1997. Malaria and other bloodborne parasites: Not just a tropical problem. *Advance for Medical Laboratory Professionals*. 9(20):8-10, 19.

Lehman D. C. 1997. Learning scope: Intestinal parasites. *Advance for Medical Laboratory Professionals*. 9(2):10-14.

Mitsdarfer T., **Lehman D. C.** 1995. PFGE: a valuable tool in epidemiology of nosocomial infections. *Advance for Medical Laboratory Professionals*. 7(20):12.

Lehman D. C. 1995. Molecular techniques to diagnose cystic fibrosis. *Advance for Medical Laboratory Professionals*. 7(13):8.

Lehman D. C., Wilson D., Hingston M., Ciulla, A. 1995. Recruitment activities used by an allied health education program to increase student enrollment. *Clinical Laboratory Science*, 8(2):102.

Lehman D. C. 1993. Salmonellosis and the role of eggs in the transmission of *Salmonella enteritidis*. *Advance for Medical Laboratory Professionals*. 5(14):10.

Presentations

2013 **Lehman D. C.** Forensic Science. Invited speaker, American Society for Microbiology Conference for Undergraduate Education. Englewood, CO. May 16-19.

2013 **Lehman D. C.** Second Life virtual crime scene in a forensic science course. Tech Talks, University of Delaware, May 8.

2009 **Lehman D. C.** Wikis, Forums and Blogs, Oh My! American Society for Microbiology Conference for Undergraduate Educators. Colorado State University, Fort Collins, CO.

2004 **Lehman D. C.** Development and implementation of a comprehensive exam for medical technology majors using WebCT - One faculty member's story. 2nd Annual Northeast Region WebCT Conference. Philadelphia, PA.

2003 **Lehman D. C.**, Maser, R. E. Development of a computer program to grade students' evaluation of peripheral blood smears. American Society for Clinical Laboratory Science Annual Meeting. Philadelphia, PA.

2001 **Lehman D. C.** Role of *Chlamydia pneumoniae* in coronary heart disease. Audio-conference sponsored by Colorado Association for Continuing Medical Laboratory Education, Inc.

- 1999 **Lehman D. C.** Emerging Antimicrobial Resistance. 12th Annual Mid-Atlantic Biological Safety Association (MABSA) Symposium. University of Delaware, Newark, DE.
- 1998 **Lehman D. C.** Audio conference. Bloodborne Parasites, sponsored by the University of Wisconsin-Madison Medical School.
- 1997 **Lehman D. C.** Computerized version of a comprehensive exam administered to medical technology senior students. Laboratory Science Education Symposium Curricula for the 21st Century. Sponsored by The Department of Medical and Research Technology, University of Maryland at Baltimore.

International Committees

- 2007 Steering Committee for the American Society for Microbiology Conference for Undergraduate Education, 3-year term
- 2005 American Society for Microbiology representative to the American Society of Clinical Pathology Board of Registry, 2-year term.
- 2003 Clinical and Public Health Microbiology Examination Development Committee sponsored by the American Society for Microbiology.

Manuscripts and Computer Programs Reviewed

- 2011 Bradbury R. Human Diagnostic Parasitology. CABI United Kingdom. I was contacted by a commissioning editor to review a book proposal, May.
- 2011 Member of the advisory committee for the textbook *Alcama's Fundamentals of Microbiology*, Pommerville, J.C. Burlington, MA: Jones and Bartlett
- 2009 *Understanding Viruses*. Shors T. Sudbury, MA: Jones and Bartlett.
- 2009 Garcia, LS. *Practical Guide to Diagnostic Parasitology*, 2nd ed. Washington DC: ASM Press. My review was written May 2010 and appeared in the journal *Quarterly Review of Biology*.
- 2007 Ad hoc reviewer. *Journal of Microbiology and Biology Education*. I reviewed two manuscripts.
- 2007 Atlas and Protocol Projects reviewer. I served as a reviewer for microbiology protocols for the American Society for Microbiology's Microbe Library. The Microbe Library is an online resource for instructors teaching microbiology.

- 2007 Several chapters in the textbook, *Serology: A Laboratory Perspective*, 3rd ed. by Stevens, C.D. Philadelphia: F.A. Davis.
- 2007 *Online RN Refresher*. The microbiology component of a CD-ROM developed and used by the School of Nursing at the University of Delaware.
- 2006 Ad hoc reviewer for *Journal of Microbiology and Biology Education*. A peer-reviewed journal published by the American Society for Microbiology.
- 2006 *Manual of Molecular and Clinical Laboratory Immunology*, ASM Press. I wrote a book review that was published in the ASM online magazine *Focus on Microbiology Education*.
- 2006 Ad hoc reviewer for atlas and protocol projects for the American Society for Microbiology's Microbe Library. The Microbe Library is an online resource for instructors teaching microbiology.
- 2006 *Serology: A Laboratory Perspective*, 3rd ed. by Stevens, C. D., F.A. Davis Publisher. Book Chapter Review. The publication date has not yet been established.
- 2005 Ad hoc reviewer for *Journal of Microbiology and Biology Education*.
- 2005 Textbook, *Serology: A Laboratory Perspective*, 2nd ed. by Stevens, C. D., F. A. Davis Publisher.
- 2003 Peer reviewer for *Medical Laboratory Observer*.
- 2003 Book chapters in Prescott, Harley, & Klein. 2004. *Microbiology* 6th ed. WCB McGraw-Hill Publisher.
- 2001 Book chapters in Prescott, Harley, & Klein. 2002. *Microbiology* 5th ed. WCB McGraw-Hill Publisher.
- 2000 *Math Companion*, a computerized education program for teachers and parents. Published by LD Online, [http://www.ldonline.org/ld_indepth/technology/math_companion.html].
- 1999 CD-ROM entitled *Direct Smear Atlas: A Monograph of Gram Stained Smear Preparations of Clinical Specimens*, Lippincott, Williams & Williams Publisher.
- 1998 Ad hoc peer reviewer for *Advance for Medical Laboratory Professionals*.
- 1998 Ad hoc Peer reviewer for *Journal of Food Safety*.
- 1998 Chapters in the textbook, *Bailey and Scott's Diagnostic Microbiology*, 10th ed. by Forbes, Sahm, and Weissfeld. 1998. Mosby Publisher.
- 1997 Interactive CD-ROM, *Direct Smear Atlas* by Marler, L., Siders, J. & Allen, S.1998. Williams and Wilkins Publisher.

- 1997 Interactive CD-ROM, *Parasite Atlas*, by Anderson, S. Williams and Wilkins Publisher.
- 1997 Book, *Atlas of Human Parasitology*, 4th edition, by Ash and Orihel, ASCP Press, 1997. Review published in *Advance for Medical Laboratory Professionals* (1998).
- 1997 Interactive CD-ROM, Microscopy Tutor, Pagliaro, Curran, Orkland, and Astion, published by Lippincott Raven Publishers. Review published in *Advance for Medical Laboratory Professionals* (1998).

Memberships

American Society for Microbiology
 National Registry of Microbiologists
 American Society for Clinical Pathology
 American Society for Clinical Laboratory Science

Continuing Education

- 2015 American Society for Microbiology Conference for Undergraduate Education, Austin, TX. May 28-31.
- 2014 Keeping Secrets in Your Lab, 1 hour Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, University of Delaware, May 30
- 2014 Clinical Laboratory Educators' Conference. San Jose, CA, February 20-22. Total of 9 hours P.A.C.E credits
- 2014 Winter faculty Institute, University of Delaware, January 9
- 2013 Blood bank's role in homeland security, 1 hour P.A.C.E. credit, University of Delaware, May 24.
- 2013 American Society for Microbiology Conference for Undergraduate Education, Englewood, CO. May 16-19.
- 2013 Summer faculty Institute, University of Delaware, May 28-31.
- 2013 Winter faculty Institute, University of Delaware, January 22.
- 2012 Summer faculty Institute, University of Delaware, May 28-31.
- 2012 Clinical Laboratory Educators Conference, Salt Lake City, UT. February 23-25. Total of 11 hours P.A.C.E. credits.
- 2011 University of Delaware Assessment Retreat. February 5. This was a full day retreat on assessment.

- 2010 American Society for Microbiology Conference for Undergraduate Education. May 20-23, 2010, San Diego, CA.
- 2010 The Self Study Process – Navigating the Assessment Requirements, University of Delaware, 1.5 hours P.A.C.E. credit, May 28.
- 2010 University of Delaware Summer Faculty Institute. Theme *Effective Online Instruction*. June 2.
- 2009 Cyber Brief 2009: Cyber Terrorism Defense Training, sponsored by the Delaware Department of Technology & Information. Dover, DE. October 1.
- 2009 American Society for Microbiology Conference for Undergraduate Education. Colorado State University, Fort Collins, CO. May 28-31.
- 2009 University of Delaware Summer Faculty Institute. *Harnessing the Power of Social Networks in Teaching & Learning*. June 5.
- 2009 Learning Management System Committee Retreat. University of Delaware. Several presenters discussed features of Sakai, the University's learning management system. June 19.
- 2008 Summer Faculty Institute Fellow. University of Delaware, June 2-6.
- 2008 Clinical Laboratory Educators Conference. Savannah, GA. Total of 11 hours P.A.C.E. credit. February 20-24.
- 2008 American Society for Microbiology Conference for Undergraduate Education. Endicott College, Beverly, MA, May 29-June 1.
- 2007 American Society for Microbiology Conference for Undergraduate Education. Buffalo, NY, May 18-21.
- 2007 HIV Genetic Diversity: Implications for Clinical Care and Diagnostic Testing, Web conference sponsored by DNAMedEdCafe, Sept. 25.
- 2007 How can medical technologists help close the quality chasm: lessons learned from an MT/MD perspective. A 1-hour symposium sponsored by the Department of Medical Technology, May 25.
- 2007 ITUE 10th Anniversary Symposium. University of Delaware, June 13-15.
- 2006 Assessment Institute, Indiana University-Purdue University, Indianapolis, IN.
- 2006 Lilly-East Conference 2006, University of Delaware, Newark, DE.
- 2006 Emerging Technologies for Student Engagement, University of Delaware, Newark, DE.
- 2006 Genetics of Myeloma: Clinical Implications, Web conference sponsored by

- DNAMedEdCafe.
- 2006 American Society for Microbiology Conference for Undergraduate Educators, Central Florida University, Orlando, FL.
- 2005 *Bioterrorism Preparedness: Past, Present, Future*, provided by the American Society for Clinical Laboratory Science, DE. 1.0 PACE Credits.
- 2005 *The Mythos of Diagnosing Lyme Borreliosis*, provided by the American Society for Clinical Laboratory Science, DE. 1.0 PACE Credits.
- 2005 American Society for Microbiology Conference for Undergraduate Educators, Emory University, Atlanta, GA.
- 2004 American Society for Microbiology General Meeting, New Orleans, LA.
- 2004 American Society for Microbiology Conference for Undergraduate Educators, Xavier University, LA.
- 2003 American Society for Microbiology Conference for Undergraduate Educators, College Park, MD.
- 2001 American Society for Microbiology General Meeting, Orlando, FL.
- 1999 Sixth Annual E. G. Scott Microbiology Symposium. Medical Center of Delaware.
- 1999 ED-Media World Conference. Seattle, WA.
- 1998 Fifth Annual E. G. Scott Microbiology Symposium, Medical Center of Delaware.
- 1997 Fourth Annual E. G. Scott Microbiology Symposium, Medical Center of Delaware.
- 1996 Laboratory Science Education Symposium ACurricula for the 21st Century.@ Sponsored by The Department of Medical and Research Technology, University of Maryland at Baltimore.
- 1996 Third Annual E. G. Scott Microbiology Symposium, Medical Center of Delaware.
- 1996 American Society for Microbiology General Meeting, New Orleans, LA.
- 1995 Infectious Disease Update, Delaware Academy of Medicine, November,
- 1995 Second Annual E. G. Scott Microbiology Symposium, Medical Center of Delaware.
- 1995 American Society for Microbiology General Meeting, Washington, D.C.
- 1995 Computer Assisted Instruction. Teaching, Research and Technology Summer Institute, University of Delaware, June

- 1994 Problem Based Learning Conference. Center for Teaching Effectiveness, University of Delaware, June,
- 1994 Philadelphia Infection and Immunity Forum. Eastern Pennsylvania Branch of American Society for Microbiology.
- 1994 E. G. Scott Microbiology Symposium. Medical Center of Delaware.