

Curriculum vitae

Donald C. Lehman, Professor
Department of Medical & Molecular Sciences
University of Delaware
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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.

CERTIFICATIONS

Medical Laboratory Scientist, Certificate Maintenance Program. 2014, 2017, and 2020.
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

Professor September 2019 to Present
Department of Medical & Molecular Sciences
University of Delaware
Newark, DE

In 1992, I assumed a continuing-track, assistant professor position. In 2008, I was promoted from assistant to associate professor and in 2019 to professor. I lecture to medical laboratory science, medical diagnostic, and applied molecular biology and biotechnology students on the topics of immunology and microbiology, which include bacteriology, virology, parasitology, and serology. I also teach medical terminology and an introductory microbiology course for allied health professionals. I am the program director for the Forensic Science minor and former Medical Diagnostics major director. I am a health profession advisor and direct the University's Health Profession Evaluation Committee.

Laboratory Coordinator for Microbiology
Department of Medical Technology
University of Delaware

July 1990 to September 1991

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

July 1983 to June 1990

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
Department of Biology
Wright State University, Dayton, OH

September 1987 to June 1990

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

Medical Technologist
Community Hospital
Springfield, OH

August 1979 to August 1983

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.

AWARDS

Jon Olson Exemplary Senate Service Award. Given annually to a faculty member to commemorate outstanding, continuing service to UD's Faculty Senate, 2018

Nominated for the Study Abroad Faculty Director of the Year for 2016-2017.

Nominated for the Excellence in Teaching Award, 2013

In a Residence Life survey, I was designated by a student as someone who "made a positive impact," 2012

College of Health Sciences Excellence in Service Award, 2011

PEER-REVIEWED PUBLICATIONS

Lehman D. C., Chiasera J., eds. *Success! In Clinical Laboratory Science*, 5th ed. Boston: Pearson; in progress, expected publication February 2019.

Lehman, D. C., Goldman K. Study abroad for pre-health profession students. *Delaware J Pub Health*. July 2018. https://issuu.com/dam-dpha/docs/2018-07_july_djph_global_health_fin?e=14966215/63381816

Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018.

Mahlen S., **Lehman D. C.**, Mahon C. R. Host-Parasite interaction. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:22-43, 2018.

Lehman D. C. Biochemical identification of gram-negative bacteria. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:174-190, 2018.

Lehman D. C. Immunodiagnosis of infectious diseases. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:191-218, 2018.

Lehman D. C. *Haemophilus*, HACEK, *Legionella*, and other fastidious gram-negative bacilli. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:384-411, 2018.

Walker K, Mahon C. R., **Lehman D. C.** Enterobacteriaceae. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:412-447, 2018.

Lehman D. C., Mahon C. R. *Chlamydia*, *Rickettsia*, and similar organisms. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:528-542, 2018.

Lehman D. C., Mahon C. R. *Mycoplasma* and *Ureaplasma*. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:543-553, 2018.

Lehman D. C. *Mycobacterium tuberculosis* and nontuberculous mycobacteria. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:554-579, 2018.

Wolverton C. J., **Lehman D. C.** Agents of bioterror and forensic microbiology. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:722-743, 2018.

Lehman D. C., Marsik F. J. Biofilms: Architects of disease. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:744-755, 2018.

Mister P., **Lehman D. C.** Bacteremia and sepsis. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:862-879, 2018.

Lehman D. C. Ocular infections. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:953-973, 2018.

Lehman D. C. Appendix C: Selected procedures. In: Mahon C. R., **Lehman, D. C.**, eds. *Textbook of diagnostic microbiology*, 6th ed. Maryland Heights, MO: Saunders Elsevier, 2018:994-1002, 2018.

Lehman D. C. Immunoproliferative diseases. In: Stevens, C.D. & Miller, L., eds. *Clinical immunology & serology*, 4th ed. Philadelphia: F.A. Davis; p. 306-325, 2017.

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.

Lehman D. C. Biochemical identification of gram-negative bacteria. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:181-197.

Lehman D. C. Immunodiagnosis of infectious diseases. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:198-225.

Lehman D. C., Mahon C. R., Suvarna K. *Streptococcus*, *Enterococcus*, and other catalase-negative gram-positive cocci. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:328-348.

Lehman D. C., Manuselis G. *Neisseria* species and *Moraxella catarrhalis*. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:372-389.

Lehman D. C., Manuselis G. *Haemophilus* and other fastidious gram-negative bacilli. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:390-419.

Walker K, Mahon C. R., **Lehman D. C.**, Manuselis G. Enterobacteriaceae. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:420-454.

Lehman D. C., Mahon C. R. *Chlamydia, Rickettsia*, and similar organisms. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:537-551.

Lehman D. C., Mahon C. R. *Mycoplasma* and *Ureaplasma*. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:552-562.

Lehman D. C. *Mycobacterium tuberculosis* and nontuberculous mycobacteria. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:563-588.

Aldous W., **Lehman D. C.** Agents of bioterror and forensic microbiology. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:727-751.

Lehman D. C., Marsik F. J. Biofilms: Architects of disease. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:752-763.

Mister P., **Lehman D. C.** Bacteremia and sepsis. In: Mahon C. R., **Lehman, D. C.**, Manuselis G. eds., *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:868-883.

Lehman D. C. Ocular infections. In: Mahon C. R., **Lehman, D. C.**, Manuselis G. eds., *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:955-976.

Lehman D. C. Appendix A: Selected bacteriologic culture media. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:977-994.

Lehman D. C. Appendix B: Selected mycology media, fluids, and stains. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:994-996.

Lehman D. C. Appendix D: Selected procedures. In: Mahon C. R., **Lehman, D. C.**, Manuselis G., eds. *Textbook of diagnostic microbiology*, 5th ed. Maryland Heights, MO: Saunders Elsevier, 2015:1019-1025.

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

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

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

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

Pusecker KL, Torres, MR, Crawford I, Levia D, **Lehman D. C.**, 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.

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

Lehman D. C. 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, 2011:182-199.

Lehman D. C. 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, 2011: 200-231.

Lehman D. C., Mahon C. R., Suvarna K. *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, 2011: 330-351.

Lehman D. C., Mahon C. R.. *Chlamydia and Rickettsia*. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders, 2011: 548-563.

Lehman D. C., Mahon C. R.. *Mycoplasma and Ureaplasma*. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 4th ed. Philadelphia, PA: W.B. Saunders, 2011: 564-574.

Lehman D. C., Marsik F.J. 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, 2011: 758-768.

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

Lehman D. C. Bacteriology. In: *Success! In Clinical Laboratory Science*, 4th ed. Boston: Pearson, 2010:615-752.

Lehman D. C. Mycology. In: *Success! In Clinical Laboratory Science*, 4th ed. Boston: Pearson, 2010:753-784.

Lehman D. C. Virology. In: *Success! In Clinical Laboratory Science*, 4th ed. Boston: Pearson, 2010:833-864.

- Lehman D. C.** Computers and Laboratory Information Systems. In: *Success! In Clinical Laboratory Science*, 4th ed. Boston: Pearson, 2010:1087-1102.
- 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. *Textbook of diagnostic microbiology*, 3rd ed. St. Louis: W.B. Saunders; 2008.
- Lehman D. C.** Biochemical identification of gram-negative bacteria. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. St. Louis: W.B. Saunders, 2008:212-233.
- Lehman D. C.** Immunodiagnosis of infectious diseases. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. St. Louis: W.B. Saunders, 2008:234-271.
- Lehman D. C.**, Mahon C. R., Suvarna K. *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. St. Louis: W.B. Saunders, 2008:382-409.
- Mahon C. R., **Lehman D. C.** *Chlamydia, Mycoplasma, and Ureaplasma*. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. St. Louis: W.B. Saunders, 2008:653-682.
- Thomas J. G., **Lehman D. C.** Biofilms: architects of disease. In Mahon C. R., **Lehman, D. C.**, Manuselis, G., eds. *Textbook of diagnostic microbiology*, 3rd ed. St. Louis: W.B. Saunders, 2008: 884-896.
- Lehman D. C.** On bugs and drugs: Problems with *S. pneumoniae* drug resistant strains have higher rates of treatment failure. *Laboratory Manager*. Online, no longer available, 2008.
- Lehman D. C.** *Sexually transmitted diseases*. A self-study course offered through the Colorado Association for Continuing Medical Laboratory Education; 2006.
- Laatsch L., Britton L., Keeting S., Kirchner P., **Lehman D.**, et al. Cooperative learning effects on teamwork attitudes in clinical laboratory science students. *Clin Lab Sci*. 2005; 18:150-159.
- Lehman, D. C.** Rapid diagnostic testing in microbiology. *Medical Laboratory Observer*. 2003; 35(5):32-34, 36.
- Lehman D. C.** 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; 2002.
- Lehman D. C.** 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; 2002.

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

PEER-REVIEWED PRESENTATIONS

Lehman D. C. Can we teach critical thinking? Is so, should we? General session, Clinical Laboratory Educators Conference, Feb. 21-23, 2019.

Lehman D. C. Using the virtual world Second Life for a polymerase chain reaction laboratory simulation. Clinical Laboratory Educators Conference, Houston, TX, Feb.22-24, 2018.

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, 2013.

Lehman D. C. Wikis, Forums and Blogs, Oh My! American Society for Microbiology Conference for **Undergraduate** Educators. Colorado State University, Fort Collins, CO, May 28-31, 2009.

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, 2004.

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, 2003.

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

Lehman D. C. Emerging Antimicrobial Resistance. 12th Annual Mid-Atlantic Biological Safety **Association** Symposium. University of Delaware, Newark, DE, 1999.

Lehman D. C. Audio conference. Bloodborne Parasites, sponsored by the University of **Wisconsin**-Madison Medical School, 1998.

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, 1997.

ABSTRACTS

Lehman D. C. Using the virtual world Second Life for a polymerase chain reaction laboratory simulation. Presentation at the Clinical Laboratory Educators' Conference, Houston, TX, Feb.22-24, 2018. *Clinical Laboratory Science*, in press.

NONPEER-REVIEWED PUBLICATIONS

Welsh A, **Lehman D. C.** Examining the causal link between antimicrobial therapy and hospital-acquired infections. *Adv for Med Lab Prof Website*. April 30, 2012. No longer online.

Muhuri D, **Lehman D. C.** *Yersinia Pestis*: New trends in the diagnosis of an old pathogen. *Adv for Med Lab Prof Website*. April 16, 2012. No longer online.

Frerichs N, **Lehman D. C.** 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. No longer online.

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

Gomes A, **Lehman D. C.** Problems with pampering, *Advance for Medical Laboratory Professionals*. 2006; 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.

Osgood, S., **Lehman, D. C.** Detection of methicillin resistant *Staphylococcus aureus*: rapid isolation translates into less healthcare-related costs. *Advance for Medical Laboratory Professionals*. 2005; 17(19):18-9.

Young, D., **Lehman, D. C.** Strain Stress Colony variants of *S. aureus* offer new challenges to microbiologists. *Advance for Medical Laboratory Professionals*, 2004; 16(19), 26-7.

Smith, C., **Lehman, D. C.** Therapeutic uses for the neurotoxin of *Clostridium botulinum*. *Advance for Medical Laboratory Professionals*. 2003; 15(4):21-2.

Young, D., **Lehman, D. C.** Methicillin-resistant *Staphylococcus aureus*: Can infection control methods be cost-effective? *Advance for Medical Laboratory Professionals*, 2002; 14(21), 21-23.

Lehman D. C. *Chlamydia pneumoniae* and CHD: Finding the link. *Advance for Medical Laboratory Professionals*. 2000; 12(16):8-12.

Lehman D. C., Blazes, W. West Nile-Like Virus: A Surprise Visitor to U.S. Coast. *Advance for Medical Laboratory Professionals*. 2000; 12(2):31-34.

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

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

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

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

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

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

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

GRANT

Instructional Technology Transformation Grant. The grant was awarded to develop a simulated DNA profiling laboratory exercise for my course MEDT 220 Forensic Science. \$7800. Grant awarded 2012.

THESIS ADVISOR

A comprehensive review of forensic microbiology. van Duijn T.S.X. and **Lehman D. C.** Master's thesis granted by the University Medical Center Utrecht, Department of Medical Microbiology, 2017.

COMPUTER SOFTWARE AND MULTIMEDIA

Lehman, D. C. The Athena Project. Online instructional multimedia application on bacteriologic media; the target audience is undergraduates in medical laboratory science programs, 2016.

Lehman, D. C. BISC300: Introduction to Microbiology. CD-ROM to accompany BISC 300: Introduction to Microbiology taught at the University of Delaware. Kendall/Hunt Publishing; 2003.

INTERNATIONAL COMMITTEES

- 2007 Steering Committee for the American Society for Microbiology Conference for Undergraduate Education, 3-year term. Helped to plan annual meetings and served on the abstract review committee, 2007-2009.
- 2005 American Society for Microbiology representative to the American Society of Clinical Pathology Board of Registry, 2-year term, 2005-2006.
- 2003 Clinical and Public Health Microbiology Examination Development Committee sponsored by the American Society for Microbiology.

ABSTRACT REVIEWER

- 2018 Reviewed poster abstracts and student case studies for the Clinical Laboratory Educators Conference, 2019.
- 2007 Reviewed poster abstracts for the American Society for Microbiology Conference for Undergraduate Education, 2007-2009.

MANUSCRIPTS AND COMPUTER PROGRAMS REVIEWED

- 2018 Developing a valid and reliable assessment of knowledge translation for continuing professional development program of health professionals. *PeerJ*. Accepted for publication after revisions.
- 2016 Applied Serology and Immunodiagnostics: Laboratory Principles and Practices, textbook proposal. Wolters Kluwer Health.
- 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 *Alcamo'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 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 Ad hoc reviewer. *Journal of Microbiology and Biology Education*. I reviewed two manuscripts.
- 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.
- 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 Several 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 Clinical Laboratory Science
 American Society for Clinical Pathology
 American Society for Microbiology
 National Registry of Certified Microbiologists

CONTINUING EDUCATION

- 2018 American Society for Microbiology Undergraduate Education. Austin, TX. July 25-29.
- 2018 The Changing Landscape for Genetic Counselors in the Healthcare Continuum. Medical Laboratory Science Clinical Affiliate Meeting. University of Delaware. Total of 1-hour Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, May 25.
- 2018 Clinical Laboratory Educators Conference. Houston, TX. Total of 10 hours Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, February 21-24.
- 2017 24th Annual E. G. Scott Symposium, Christiana Hospital, Newark, DE. Total of 5 hours Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, October 10.
- 2017 Johns Hopkins Hospital Symposium, Baltimore, MD. Total of 6 hours Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, October 5.
- 2017 Philadelphia Local Area Network of Health Profession Advisors, Rowan University School of Osteopathic Medicine, Stratford, NJ, January 5.
- 2017 Human Gene Editing as a Precision Medicine for Cancer Therapy. Medical Laboratory Science Clinical Affiliate Meeting, University of Delaware. One-hour Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, May 26.
- 2017 Sudden Cardiac Death Prevention with Molecular Diagnostics. ARUP Laboratories webinar. One-hour Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, September 17.

- 2016 23rd Annual E. G. Scott Symposium, Christiana Hospital, Newark, DE. Total of 5 hours Professional Acknowledgement for Continuing Education (P.A.C.E.) credit, October 4.
- 2016 American Society for Clinical Laboratory Science Annual Meeting and Expo. Philadelphia, PA, August 1-4. Total of 11 hours P.A.C.E. credit, August 1-4.
- 2015 Summer Faculty Institute. University of Delaware, Jun 1-4.
- 2015 American Society for Microbiology Conference for Undergraduate Education, Austin, TX. May 28-31.
- 2014 Keeping Secrets in Your Lab. Medical Laboratory Science Clinical Affiliate Meeting, University of Delaware, 1-hour P.A.C.E. credit, May 30.
- 2014 Clinical Laboratory Educators' Conference. San Jose, CA, February 20-22. Total of 9 hours P.A.C.E credits P.A.C.E credits
- 2014 Winter faculty Institute, University of Delaware, January 9.
- 2013 Blood bank's role in homeland security. Medical Laboratory Science Clinical Affiliate Meeting, University of Delaware, 1-hour P.A.C.E. credit, May 24.
- 2013 American Society for Microbiology Conference for Undergraduate Education, Englewood, CO. May 16-19.
- 2013 Winter faculty Institute, University of Delaware, January 22.
- 2013 Summer faculty Institute, University of Delaware, May 28-31.
- 2012 Summer faculty Institute, University of Delaware, May 28-31.
- 2012 UD Online Fellow, University of Delaware, June.
- 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. This was a full day retreat on assessment. February 5.
- 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. Medical Laboratory Science Clinical Affiliate Meeting, University of Delaware, 1.5 hours P.A.C.E. credit, May 28.

- 2010 Summer Faculty Institute. Theme *Effective Online Instruction*. University of Delaware, 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 Summer Faculty Institute. *Harnessing the Power of Social Networks in Teaching & Learning*. University of Delaware, June 5.
- 2009 Learning Management System Committee Retreat. University of Delaware. Several presenters discussed features of Sakai, which had recently become the University's learning management system. June 19.
- 2008 Summer Faculty Institute. 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, Webinar sponsored by DNAMedEdCafe, Sept. 25.
- 2007 How can medical technologists help close the quality chasm: lessons learned from an MT/MD perspective. Department of Medical Technology Clinical Affiliate Meeting. A 1-hour symposium sponsored by the, 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, Webinar 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 A Curricula 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.