**Curriculum Vitae**

Lorraine Doucette, M.S., MLS (ASCP)CM

Assistant Professor and Medical Laboratory Science (MLS) Program Director

University of Maryland School of Medicine

Department of Medical and Research Technology

**Education**

1974-1976 A.A., Medical Laboratory Technology, Catonsville Community College

1977-1978 B.S., Medical Laboratory Technology, University of Maryland at Baltimore

1981-1985 M.S. Pathology, University of Maryland School of Medicine Graduate School

 *M.S. Thesis: Analysis of Cellular Effects in Human Peripheral Blood Lymphocytes Exposed to 2, 4-Dichlorophenoxyacetic Acid Determined by Chromosome Breakage, Sister Chromatid Exchange and Cell Cycle Studies.*

2018-Present Notre Dame of Maryland University Online, PhD in Higher Education Leadership for Changing Populations

**Post Graduate Education and Training**

2014-2015 Leadership Education and Development program (LEAD), Anne Arundel Community College

**Certifications**

1976 American Society for Clinical Pathology: Registered MLT 1976

1978 American Society for Clinical Pathology: Registered MT

**Medical Licensures**

None

**Employment History**

**Academic Appointments**

1979 - 1983 Laboratory Science II/Instructor, Department of Pathology, University of Maryland School of Medicine. Taught medical students in a Pathology lab course basic lab procedures such as manual hematocrit, gram stains, urinalysis, and occult blood

1989 - 1995 Clinical Instructor of Chemistry, Department of Medical and Research Technology, University of Maryland School of Medicine. Taught in all three chemistry courses in both lecture and laboratory MEDT 355 Biochemistry, MEDT 356 Instrumentation/Analytical Techniques and MEDT 355 Biochemistry. Also taught in the lecture only course MEDT 321 Lab Management, QA/Regulatory Issues.

2002-2007 Assistant Professor and Education Coordinator, Department of Medical and Research Technology, University of Maryland School of Medicine. Taught in all three chemistry courses in both lecture and laboratory MEDT 355 Biochemistry, MEDT 356 Instrumentation/Analytical Techniques and MEDT 355 Biochemistry. Also taught in the lecture only course MEDT 321 Lab Management, QA/Regulatory Issues. As Education Coordinator assisted Program Director in MEDT 402 Comprehensive Review Course and oversaw the clinical practice courses during the spring of the MLS student’s final year.

2007-2020 Full Professor and Academic Chair of the Medical Laboratory Technician, Medical Laboratory Assistant, and Phlebotomy Programs Anne Arundel Community College. Began the program in 2007, wrote the curriculum for the program for all MLT courses and have taught the following lecture and laboratory courses: MLT 100 Introduction to the Clinical Laboratory, and MLT 101 Urinalysis and body fluids. Main lecturer for MLT 203 Clinical Chemistry, MLT 205 Clinical Hematology; and MLT 102 Quality Control and Quality Assurance. Only full time faculty and responsible for hiring adjuncts, recruiting phlebotomy students for three cohorts a year, MLT students for one cohort that will complete the program in two years, and a new Medical Laboratory Assistant program that is scheduled for two cohorts per year. Responsible for all NAACLS documentation and have successfully been given the maximum accreditation time of five on the initial accreditation visit and seven on the last visit. The self-study will be due in spring 2021. Will assist my replacement at AACC for submission of the initial request for Approved status to NAACLS for the MLA program in the summer/fall of 2020.

2020 Assistant Professor and Medical Laboratory Science Program Director, University of Maryland School of Medicine, Department of Medical and Research Technology.

**Professional Society Membership**

1981-Present Member of the American Society for Clinical Laboratory Science

2003-Present Member of the American Society for Clinical Pathology

2013-Present Secretary of the American Society for Clinical Laboratory Science-Maryland

**Honors and Awards**

1985 Graduate Student Research Day Poster Presentation Award from the University of Maryland School of Medicine Graduate School

1998 Member of the Year award from the Maryland Society for Clinical Laboratory Science

**Grants and Research**

**Principal Investigator and Author, Allied Health Project Grant, “Interdisciplinary Healthcare Training and Delivery”** United States Department of Health and Human Services, HRSA, awarded to the Department of Medical and Research Technology, University of Maryland School of Medicine, Baltimore, MD. Originally scheduled for 3 years with $500,000 awarded. Congress cut the funding for the last year. $321,000 received.

* Oversaw implementation of grant activities including establishing relationships with Baltimore area health providers to underserved populations to provide interdisciplinary healthcare.
* Co-authored a 3-credit interdisciplinary graduate course for clinical laboratory science, genetic counseling, and physical therapy students.

**Principal Investigator and Author, Roche Diagnostics Corporation Clinical Trial “3S Confidence Glucose Monitoring System Venous Evaluation”** July-August 2004.

* Coordinated the recruitment of 100 diabetic and non-diabetic patients to participate in the clinical trial.
* Coordinated the acquisition and evaluation of patient samples per grant requirements.

**State and National service:**

**State**

Appointed by Governor Hogan to the State of Maryland Forensic Laboratory Advisory Committee. 2015-2021.

American Society for Clinical Laboratory Science, Maryland; Current Secretary of the Society, former President (1996-1997, and 2010-2013).

Current Advisory Board member for the Glen Burnie High School Program Advisory Committee for the National “Project Lead The Way” Biomedical Sciences program.

Advisory Board member for the Medical Laboratory Technician Program at Northern Virginia Community College since 2008.

**National**

Appointed in 2016 as a Site Reviewer by the National Accrediting Agency for Clinical Laboratory Sciences MLT Accreditation process.

Appointed in 2014 as a Paper Reviewer by the National Accrediting Agency for Clinical Laboratory Sciences MLT Accreditation process.

American Society for Clinical Pathology: Member of the Workshop for Laboratory Professionals committee 2004-2010.

**Academic Experience:**

1990- 2007 Adjunct Lecturer II, School of Health, Wellness and Physical Education, Anne Arundel Community College, Arnold, MD 21012.

1998-2009 Adjunct Faculty: Division of Community Education and Extended Learning, Continuing Education/Professional Education, Anne Arundel Community College, Arnold, MD 21012.

2001-2002 Adjunct Faculty: Department of Biology: Laboratory Instructor for Introduction to Biology (Bio 110). Community College of Baltimore County, Catonsville, MD.

2005-2007 Department of Business: Instructor for Medical Terminology (OFAD 141). Community College of Baltimore County, Catonsville, MD 21228.

2000-2001 Instructor, Occupational Training Center (OTC), Community College of Baltimore County, Catonsville, MD 21228.

1999-2000 Part-Time Instructor, Division of Workforce Development and Business Services, Business and Industry Training, Anne Arundel Community College, Arnold, MD 21012.

1988 - 1989 Adjunct Instructor, Division of Allied Health, Essex Community College, Essex MD 21222.

**Clinical and other Experience:**

1997-current Laboratory Consultant. Clients include physician office laboratories and qualitative toxicology for a comprehensive drug treatment program.

2002 Part time (60%) Medical Technologist at the Rapid Response Laboratory, Department of Pathology, University of Maryland Medical System, Baltimore, MD 21201. Taught many MLT and MLS students while working in the core laboratory, primarily in urinalysis or blood gases area.

1995 - 1997 Technical Education Specialist, COLA (formerly the Commission on Office Laboratory Accreditation), Columbia, MD 21046.

1997 - 2001 Per Diem Medical Technologist, Clinical Chemistry Laboratory, Department of Pathology, University of Maryland Medical System Hospital, Baltimore, MD 21201.

1989 – 1994 Per Diem Medical Technologist, Clinical Chemistry Laboratory, Department of Pathology, University of Maryland Medical System Hospital, Baltimore, MD 21201.

1987 - 1989 Medical Technologist, Clinical Chemistry Laboratory, Department of Pathology, University of Maryland Medical System Hospital, Baltimore, MD 21201.

1983 - 1986 Medical Technologist, Adult Endocrinology Laboratory, Department of Medicine, University of Maryland School of Medicine, Baltimore, MD 21201.

1979 Medical Technologist, BioScience Laboratory, Columbia, MD 21045.

1976 - 1977 Medical Laboratory Technician, Maryland Diagnostics Laboratory, Baltimore, MD 21229.

**Publications:**

**Books**

**Doucette, L.** *Mathematics for the Clinical Laboratory*, Fourth Edition, Elsevier, St. Louis MO, (in progress, estimated publication date fall 2020).

**Doucette, L.** *Mathematics for the Clinical Laboratory*, Third Edition, Elsevier, St. Louis MO, 2016.

**Doucette, L.** *Mathematics for the Clinical Laboratory*, Second Edition, W.B. Saunders/Elsevier, Philadelphia, PA, 2010.

**Doucette, L.** *Basic Mathematics for the Health Related Professions*. W.B. Saunders, Philadelphia, PA, 2000.

**Doucette, L.** *Mathematics for the Clinical Laboratory*, W.B. Saunders, Philadelphia, PA, 1997.

**Journals: Refereed**

Podczasy, J. J., Flodstrom, G., **Doucette, L.** Clinical Evaluation of the Accu-Chek Advantage Blood Glucose Monitoring System. Laboratory Medicine, 28(7), 1997, pp. 462-466.

**Doucette, L.**, Kula, T., Flodstrom, G., Kula, K. Enhancement of Laboratory Mathematics Skills of Clinical Laboratory Science Students Using a Computer Assisted Laboratory Mathematics Program. Clinical Laboratory Science, 8(3), 1994, p. 161.

**Non-refereed**

Mission Accomplished: Interdisciplinary Training, A Partnership Between the University System of Maryland and the Maryland AHEC, Cornman, R., **Doucette L**., Patton E., Reitz S.M., Socha T.M., National AHEC Bulletin. Autumn/Winter 2004.

**Doucette, L.** Needlestick Prevention Strategies for Phlebotomists, ASCP Tech Sample No. PBT-2. ASCP, Chicago, IL, 2004.

**Doucette, L.** Drugs of Abuse and the Insulin Dependent Diabetes Mellitus Patient. ASCP Tech Sample. ASCP, Chicago, IL, 1996.

**Doucette, L.**, Ceisla, B.E. Phlebotomy Issues Associated with Low Birth weight Neonates. ASCP Tech Sample. ASCP, Chicago, IL, 1999.

**Abstracts**

Overcoming Obstacles to Incorporate Interdisciplinary Curriculum into a Graduate Laboratory Science Program, **Doucette L**., Gordes K, Ashley S, Huber F, DeLany S, Steinberg L, Khanna N, Levy H. American Society for Clinical Laboratory Science National Meeting (poster), Chicago, IL, July 2006.

Interdisciplinary Healthcare Training: Bridging Clinical Laboratory Science, Genetic Counseling and Physical Therapy, **Doucette, L**, Gordes K, Ashley S, Huber F, DeLany S, Steinberg L, Khanna N, Levy H. Clinical Laboratory Educator’s Conference, (technology demonstration),.San Antonio Texas, March 2006.

Alleviating Shortages with Rural Interdisciplinary Health Care Teams, **Doucette L.**, Patton E., American Society for Clinical Laboratory Science National Meeting (poster), Philadelphia, PA, July 2003.

Computer Assisted Laboratory Mathematics Module for Medical Technology Students, **Doucette L.**, American Association for Clinical Chemistry National Meeting (poster), New York, NY, July 1993.

Retraining for Career Mobility: Exploring the Medical Laboratory Professions from Pre to Post Baccalaureate Level, **Doucette L.**, American Society for Medical Technology National Meeting (poster), Boston MA, June 28 and 29, 1992.

**Published Multimedia**

Flodstrom, G., **Doucette, L.**, Johnson, L. Principles of Quality Control in Clinical Chemistry. Centers for Disease Control and Prevention (CDC-P) Continuing Education Series, (slide-tape), 1994.

**Doucette, L.**, Kula, T., Flodstrom, G. Handling and Storing Chemicals Safely. Centers for Disease Control and Prevention (CDC-P) Continuing Education Series, (slide-tape), 1993.

Naylor, B., and **Doucette, L.**  Pregnancy Testing (videotape), Office of Medical Education, University of Maryland School of Medicine, Baltimore, MD, 1981.

Naylor, B., McMichael, J., and **Doucette, L.** Detection of Hemoglobin S: Sickle Cell Disease (videotape), Office of Medical Education, University of Maryland School of Medicine, Baltimore, MD, 1980.

**Major Invited Speeches:**

**National**

The Chemistry Markers of Disease Workshop, **Doucette L.**, American Society for Clinical Pathology Workshops for Laboratory Professionals, Minneapolis, MN November 1, 2017, Houston TX June 9, 2017, Baltimore MD May 3, 2016, San Francisco CA April 29, 2015, Baltimore, MD May 3, 2012, Newark NJ, May 21, 2012, Dallas TX October 16, 2009, Minneapolis MN September 11, 2008, Phoenix AZ, November 8, 2007, Anaheim CA September 27, 2007, Springfield MA November 2, 2006, Atlanta GA, October 19, 2006, Indianapolis IN, October 3, 2005, and San Francisco, CA, April 8, 2005.

The Laboratory’s Role in Diagnosing, Treatment and Prevention of Obesity in the United States, **Doucette L.** American Society for Clinical Pathology Workshops for Laboratory Professionals, Baltimore MD, May 3, 2012.

Congratulations! You’re a Program Director! Now What? **Doucette L**., Grayson C., Rotchford E., Taff T.A., Clinical Laboratory Educator’s Conference, Biloxi, MS, February 25, 2010.

Fundamental Quality Control: The What, Why and How Part 1 and Fundamental Quality Control: Levey Jennings Charts and Corrective Action Part 2, **Doucette L.** The Associated Public Health Laboratories and the Clinical and Laboratory Standards Institute Part 1 November 5, 2009, Part 2 December 10, 2009, teleconference.

**Local**

Obesity in the US and How the Clinical Laboratory can Help in its Diagnosing, Treatment, and Prevention, **Doucette, L**. American Society for Clinical Laboratory Science Maryland Spring Meeting, Mt. Airy MD, May 3, 2014.

The AHEC and the Campus- Building a Complex Relationship to Address the Interdisciplinary Training Needs of Students and Health Professionals, Cornman R., **Doucette L.**, Patton E., Reitz S.M., Socha T.M., National AHEC Organization Conference, Baltimore MD, August 4 2004.

**Grants and Contracts:**

2004 Author and Principal Investigator, Allied Health Project Grant, “Interdisciplinary Healthcare

2006 Training and Delivery” United States Department of Health and Human Services, HRSA, awarded to the Department of Medical and Research Technology, University of Maryland School of Medicine, Baltimore, MD. Originally scheduled for 3 years, Congress cut the funding for the last year. $321,000 received. Co-authored 3-credit interdisciplinary graduate course for clinical laboratory science, genetic counseling, and physical therapy students.

2004 Author and Principal Investigator, Roche Diagnostics Corporation Clinical Trial “3S Confidence Glucose Monitoring System Venous Evaluation” July-August 2004.

2003 Co-Investigator, User Evaluation (Subject vs. Technician) of the Accu-Chek Advantage (III) Glucose Meter, Funded by a Biomedical Research Company, (E. Patton, MS, MT(ASCP) Principal Investigator, Department of Medical and Research Technology, University of Maryland School of Medicine, Baltimore, MD.

**References:**

Upon Request