

**Leslie M. Allshouse, M.Ed., M.B.A., MLS(ASCP)<sup>CM</sup>**

Senior Instructor and Program Director  
Department of Medical Laboratory Sciences  
University of Delaware  
Newark, Delaware 19716  
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❖ **Education**

University of Delaware, Newark, Delaware  
2002, Master of Education

University of Delaware, Newark, Delaware  
1991, Master of Business Administration

University of Delaware, Newark, Delaware  
1983, Bachelor of Science in Medical Technology, Minor in Biology

❖ **Certifications**

June 2016 Medical Laboratory Scientist with Certification Maintenance  
American Society for Clinical Pathology #152186 exp. 7/2019

2002 Teacher of Exceptional Children – LD, SED, MH(1-8)  
Standard Certificate, Delaware Department of Education

1983 Medical Technologist  
American Society for Clinical Pathology

❖ **Full Time Professional Positions**

July 2017-present Senior Instructor and Program Director  
Department of Medical Laboratory Sciences  
University of Delaware  
Newark, Delaware

September 2014-July 2017 Instructor and Program Director  
Department of Medical Laboratory Sciences  
University of Delaware  
Newark, Delaware

2004 – August 2014 Instructor and Education Coordinator  
Department of Medical Laboratory Sciences  
University of Delaware  
Newark, Delaware

1992 Medical Technologist II  
Department of Pathology and Laboratory Medicine  
Christiana Care Health Services  
Newark, Delaware

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1983 – 1991                      Medical Technologist  
Department of Pathology and Laboratory Medicine  
Christiana Care Health Services  
Newark, Delaware

❖ **Part Time Professional Positions**

1993 – 2015                      Medical Laboratory Scientist – Part Time/Casual  
Department of Pathology and Laboratory Medicine  
Christiana Care Health Services  
Newark, Delaware

❖ **Professional Memberships**

AABB  
American Society for Clinical Pathology  
American Society for Clinical Laboratory Science  
American Society for Clinical Laboratory Science - Delaware

❖ **Awards and Recognition**

**2012-present**

Recipient, 2016 Integrative Curriculum Development Grant, c/o Center for Science Ethics and Public Policy with Support from College of Arts and Sciences, University of Delaware (\$1000)  
Recipient, 2016 Travel Award for ASCLS Clinical Laboratory Educators' Conference, c/o Siemens Healthcare Diagnostics, presenter at conference (\$2000)  
Recipient, 2015 Travel Award for ASCLS Clinical Laboratory Educators' Conference c/o Siemens Healthcare Diagnostics, presenter at conference (\$1200)  
Nominee, 2014 University Excellence in Undergraduate Academic Advising and Mentoring Award  
Recipient, 2014 College of Health Sciences Excellence in Advising Award  
Recipient, 2014 Certificate of Appreciation for Outstanding Community Service for achieving status as a Six Gallon Donor, Blood Bank of Delmarva  
Recipient, 2012 Certificate of Recognition for making a positive difference in a student's UD experience from Residence Life survey

❖ **Teaching**

**2004 – present (except where noted)**

HLTH 241 Ethical Aspects of Healthcare (2015 – present)  
MEDT 100 Introduction to Medical Laboratory Science (2008-2009, 2015 - present)  
MEDT 250 Communication, Education & Ethics in Healthcare (2010 – present)  
MEDT 370 Phlebotomy Practicum (2004 – present)  
MEDT 413 Clinical Physiological Chemistry II Laboratory (last assignment 2013)  
MEDT 409/420 Immunohematology I & II (Spring/Fall 2011 - present)  
MEDT 419/421 Immunohematology I & II Laboratory (Spring/Fall 2014-2015, Fall 2016)  
MEDT 418 Senior Seminar I (2008-2009, Fall 2015-present)  
MEDT 472-473-475-477-479 Clinical Practicums in Urinalysis, Chemistry, Hematology, Microbiology and Immunohematology, respectively Limited: Coordinate and oversee student clinical experiences (2004 through last assignment 2014)  
MEDT 480 Senior Seminar II (Spring 2011-present)

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❖ **Education Coordinator Responsibilities performed**

**2010-2011 Accreditation Review by NAACLS**

Worked closely with Program Director, compiled necessary documents and completed components of Self Study in 2010 that related to clinical education of students for successful reaccreditation of Program in 2011

Coordinate completion and updates/renewals of all Affiliation Agreements annually

Advise approximately 50 students

Conduct New Student Orientation for incoming freshman and transfer students

Advise students considering change of major to majors in the Dept. of Medical Laboratory Sciences

Participate in recruitment events in the summer, fall and spring

Organize all clinical practicum experiences for junior Medical Laboratory Science students in the area of Phlebotomy annually

Organize all clinical practicum experiences for senior Medical Laboratory Science students in the areas of Clinical Chemistry, Clinical Hematology, Clinical Microbiology, Clinical Immunohematology, and Clinical Urinalysis

Conduct regularly-scheduled site visits with clinical practicum instructors and students

Coordinate affiliate meetings with University instructors and clinical instructors

Conduct, review and disseminate results of program evaluations, alumni surveys (1-year and 3-years post-graduation) and employer surveys (1-year post-graduation)

❖ **Presentations – National Conference**

Feb. 2013 *Where does the iPad fit in your educator's toolbox?* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Kansas City, MO, Roundtable sessions.  
A colleague created this presentation and for medical reasons asked me to step in and present.

Feb. 2015 *Incorporating Manufacturers' Online Education to Bridge the Gap Between Student Lab and Clinical Practicums.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, Roundtable sessions.  
Received \$1200 travel grant from Siemens Healthcare Diagnostics.

Feb. 2016 *Automation: How to teach it when you don't have it! Bridge the gap between campus and clinical.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, Concurrent session.  
Received \$2000 travel grant from Siemens Healthineers.

Feb. 2017 *Issues Faced in Placing Students with Non-cognitive Disorders on Clinical Practicums.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, Concurrent session.

❖ **Service**

**College**

2017-pres. Chair, College Undergraduate Curriculum Committee

2016-pres. Member, College Undergraduate Curriculum Committee – reviewed all new course, new programs, revised course, revised curricula and deactivated courses submitted for the College of Health Sciences.

2013 Member, Ad Hoc Committee for Alumni Weekend 2013 Healthcare Theater Event – helped plan filming of video clips and engaged students to participate with Healthcare Theater students (event was cancelled for lack of registered attendees)

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- 2010-2012 Chair, College Committee on Governance
- 2009-2013 Member, College Committee on Governance
- 2012 Chair for Annual Juvenile Diabetes Research Foundation *Walk for a Cure*: planning, display, and recruitment of walkers. Scheduled participant for walk (cancelled due to Hurricane Sandy).
- 2011 Co-Chair for Annual *Step Out for Diabetes*: planning, display, and recruitment of walkers. Participant in walk.
- 2005 Co-Chair for Annual Juvenile Diabetes Research Foundation *Walk for a Cure*: planning, display, and recruitment of walkers. Participant in walk.

### Department

- 2016-pres. Member, Tenure-Track Faculty for Biotechnology Search Committee
- 2015 Chair, Academic Advisor Search Committee
- 2015 Member, Ad Hoc Promotion & Tenure Guidelines Revision Committee
- 2015 Member, Ad Hoc Student Evaluation Instrument Committee
- 2015 Member, Department Chair Search Committee (new)
- 2014 Member, Department Chair Search Committee
- 2014-pres. Chair, Undergraduate Program Committee
- 2014-pres. Member, Search Committee for Department Chair
- 2014-2016 Member, Ad Hoc Committee to revise department bylaws
- 2011-2014 Member, Undergraduate Program Committee
- 2012 Member, Search Committee for Administrative Assistant
- 2012 Coordinator, MLS Club participation in annual *CAA Have a Heart Blood Challenge* to assist with blood drive for Blood Bank of Delmarva
- 2012 Representative, 13<sup>th</sup> Annual Award for Excellence in Science & Mathematics Ceremony and School Information Fair. American Association of University Women, Dover, DE
- 2009- 2010 Member, Ad Hoc Committee to explore Master's Degree
- 2009-2012 Representative, Annual *Majors & Minors on Main* event for students in Assoc. in Arts program to explore Bachelor Degree majors and minors on main campus
- 2006-pres. Member, Department Advisory Committee

### Professional

- 2016 Reviewer, *Today's Health Professions: Working Together to Provide Quality Care*. F.A. Davis, 2016.
- 2015 - Volunteer, NAACLS Paper Reviewer or Site Reviewer, not yet selected.**
- ongoing**
- 2012 Outside Consultant for Career Education Corporation (CEC): Served as a reviewer for CEC for an immunohematology educational module for medical laboratory technician students which included pretest and posttest questions, comprehensive exam questions, and an extensive review summary of immunohematology.
- 2011 Editorial Review Board Member, Booth K, Mundt L. *Phlebotomy – A Competency-Based Approach*, 3<sup>rd</sup> ed., McGraw-Hill: New York, NY, 2013.
- 2008 Reviewer, newly proposed book: *Communication Skills for Health Professionals*, Prentice-Hall.
- 2007-2008 Contributing author, Ciulla AP and Lehman DC, Editors. *SUCCESS! in Clinical Laboratory Science*, 4<sup>th</sup> ed., Pearson: Upper Saddle River, NJ, 2010.
- 2005-2012 Delegate, Mid-Atlantic Association of Blood Banks. (Organization disbanded in 2012)

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### Community

- 2016-pres. Member, William Penn High School, New Castle, DE Med Lab Program Advisory Committee.
- 2015-pres. Member, Delaware Technical and Community College Medical Laboratory Technician Program Advisory Committee.
- 11-19-15 Host and Organizer, Aberdeen Middle School/Aberdeen Proving Ground Mentoring Program for STEM, approximately 30 middle school students – helped to organize hands-on activities and discussion/tour of student laboratories for future STEM careers, approximately 2 hours plus preparation.
- 6-3-15 Presenter, *What is a Medical Laboratory Scientist?* St. Marks High School Junior Career Day, 4 groups of approximately 20 students each, 3 hours. (7<sup>th</sup> time presenting/annual event since 2009)
- 6-4-14 Presenter, *What is a Medical Laboratory Scientist?* St. Marks High School Junior Career Day, 4 groups of approximately 20 students each, 3 hours. (6<sup>th</sup> time presenting/annual event since 2009)
- 10-17-13 Presenter, *Explore Careers in Healthcare.* Christiana Care Health System career event. 3 hours. (8<sup>th</sup> time presenting/annual event since 2006)
- 2012-2013 Member, St. Mark's High School Science Advisory Board. School received grants to renovate science laboratories. Met several times in 2012-2013; facilitated networking and collaboration between SMHS science teachers and University of Delaware biology and chemistry professors to improve science education preparation for high school students. Met with committee and architects for redesign of science labs, reviewing hardware, seating and lab bench options, and instructional tools.
- 11-30-11 Presenter, *What is a Medical Technologist?* University of Delaware to 2 groups of 20 each Middle School students – Gunning Bedford Middle School. 1.5 hour.
- 11-16-11 Presenter, *What is a Medical Technologist?* University of Delaware to 40 Middle School students – Bayard Middle School. 1.5 hour.
- 2004-pres. *Lifesaver* Blood Donor, Blood Bank of Delmarva, Newark, DE. Create semi-annual displays to promote UD participation in *CAA Have a Heart Blood Drive* and other BBD blood drives. Also participant in the *Summer Blood Challenge* and the *CAA Have a Heart Blood Drive*.

### Other

- 4-30-14 Presenter, *Clinical Laboratory Science: A Short Course for Siemens Employees.* Immunohematology lecture presented to approximately 16 Siemens employees, 1.5 hours. Also assisted in tour of Union Hospital of Cecil County Laboratories with this group, 1 hour. This has been presented by me 1-4 times annually since 2007.

### ❖ Professional Development: Continuing Education

#### 2012 – present

- 5-26-17 *Human Gene Editing as a Precision Medicine for Cancer Therapy*, University of Delaware, Newark, DE, 1.0 P.A.C.E. Credit Hour
- 2-25-17 *Tips, Trends, and Techniques for Teaching Today's Students*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.0 P.A.C.E. Credit Hour.
- 2-25-17 *Closing Keynote – Make It Stick!* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.5 P.A.C.E. Credit Hours.
- 2-24-17 *Enhancing Lab Communication, Analyzing Extra-Analytical Errors*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.0 P.A.C.E. Credit

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- Hour.
- 2-24-17 *Hot Topics – Innovative Technology Uses*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.5 P.A.C.E. Credit Hours.
- 2-24-17 *Collaborative Patient Care – Bridging the Divide*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.5 P.A.C.E. Credit Hours.
- 2-24-17 *Expanding Your Educator's Toolbox: Critical Thinking Tools for Teaching Immunohematology*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.0 P.A.C.E. Credit Hour.
- 2-24-17 *Students and Lawsuits*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.5 P.A.C.E. Credit Hours.
- 2-24-17 *All Content is Not Created Equal*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.0 P.A.C.E. Credit Hour.
- 2-23-17 *Meet Generation NeXt – Understanding Today's Learners*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.0 P.A.C.E. Credit Hour.
- 2-23-17 *Teaching Today's Learners*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.5 P.A.C.E. Credit Hours.
- 2-23-17 *The Difference Between Teaching and Learning*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Boston, MA, 1.5 P.A.C.E. Credit Hours.
- 2-11-17 *Unusual Parasitology Finds*, American Society for Clinical Laboratory Science – DE/MD, University of Delaware, Newark, DE, 1.0 P.A.C.E. Credit Hour.
- 2-11-17 *Case Studies in Flow Cytometry*, American Society for Clinical Laboratory Science – DE/MD, University of Delaware, Newark, DE, 1.0 P.A.C.E. Credit Hour
- 11-4-16 *NAACLS Workshop – Demystifying NAACLS Accreditation/Approval Processes*, National Accrediting Agency for Clinical Laboratory Sciences, Chicago, IL, 6 P.A.C.E. Credit Hours.**
- 8-2-16 *Case Study Approach: Probing the Usefulness of New CBC Parameters in the Diagnosis of Anemia*, American Society for Clinical Laboratory Science, Annual Meeting, Philadelphia, PA, 1.0 P.A.C.E. Credit Hour.
- 8-2-16 *Blood Usage in the Military*, American Society for Clinical Laboratory Science, Annual Meeting, Philadelphia, PA, 1.0 P.A.C.E. Credit Hour.
- 8-2-16 *Trauma-induced Coagulopathy and Massive Transfusion Protocol*, American Society for Clinical Laboratory Science, Annual Meeting, Philadelphia, PA, 1.5 P.A.C.E. Credit Hours.
- 8-2-16 *Opening Keynote: Corporate Courage*, American Society for Clinical Laboratory Science, Annual Meeting, Philadelphia, PA, 1.0 P.A.C.E. Credit Hour.
- 4-12-16 *The Ethics of Massive Transfusion*, American Society for Clinical Laboratory Science – PA, Annual Meeting, Harrisburg, PA, 1.0 P.A.C.E. Credit Hour.
- 4-12-16 *What's Up with Prenatal D Testing for Weak D Mothers?* American Society for Clinical Laboratory Science – PA, Annual Meeting, Harrisburg, PA, 1.0 P.A.C.E. Credit Hour.
- 4-12-16 *Inborn Errors of Metabolism*, American Society for Clinical Laboratory Science – PA, Annual Meeting, Harrisburg, PA, 1.0 P.A.C.E. Credit Hour.
- 4-12-16 *Who You Gonna Call? Blood Bankers!* American Society for Clinical Laboratory Science – PA, Annual Meeting, Harrisburg, PA, 1.0 P.A.C.E. Credit Hour.
- 4-12-16 *A Look Back at Laboratories of the Past Century*, American Society for Clinical Laboratory Science – PA, Annual Meeting, Harrisburg, PA, 1.0 P.A.C.E. Credit Hour.
- 2-27-16 *ELC Update – Immunology/Immunohematology*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.5 P.A.C.E. Credit Hours.
- 2-27-16 *What Not To Teach*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.0 P.A.C.E. Credit Hour.
- 2-26-16 *Invasion of the Brain Snatchers: The Impact of Device Use on Learning*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.0 P.A.C.E. Credit Hour.
- 2-26-16 *Automation: How to Teach It When You Don't Have It! Bridge the Gap Between Campus and Clinical*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.5 P.A.C.E. Credit Hours.

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- 2-26-16 *Got Leadership? You Don't Have to be Top Dog to Make and Impact*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.5 P.A.C.E. Credit Hours.
- 2-26-16 *Do's and Don't's during a NAACLS Site Visit*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.0 P.A.C.E. Credit Hour.
- 2-25-16 *Teaching with Writing in Clinical Laboratory Sciences*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.5 P.A.C.E. Credit Hours.
- 2-25-16 *Check the Attitude: Targeted Strategies for Teaching and Evaluating Millennials*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.5 P.A.C.E. Credit Hours.
- 2-25-16 *Why Patient Safety Competencies Are Critical for Medical Laboratory Science*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Minneapolis, MN, 1.0 P.A.C.E. Credit Hour.
- 2-6-16 *Ex Vivo Generation of Megakaryocytic Particles, Proplatelets*, American Society for Clinical Laboratory Science – DE/MD, University of Delaware, Newark, DE, 1.0 P.A.C.E. Credit Hour.
- 2-6-16 *Platelet Size and Cardiovascular Events: Risk Factor or Innocent Bystander*, American Society for Clinical Laboratory Science – DE/MD, University of Delaware, Newark, DE, 1.0 P.A.C.E. Credit Hour.
- 1-5-16 *Principles of Capture*, Immucor LEARN™ eGRIPS Course, 1 P.A.C.E. Credit Hour.
- 11-4-15 *Positively Pathology -- Are You Passing It On?* Johns Hopkins Medicine, Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 11-4-15 *Autoimmune Hemolytic Anemia: Diagnosis, Drugs, and Transfusion*, Johns Hopkins Medicine, Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 11-4-15 *Laboratory Management and Laboratory Leadership: Why We Need Both*, Johns Hopkins Medicine, Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 11-4-15 *William Henry Welch and the Transformation of Medicine in America*, Johns Hopkins Medicine, Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 11-4-15 *Lab Errors: A Practical Guide to Investigation in the Clinical Laboratory*, Johns Hopkins Medicine, Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 10-27-15 *The Science Behind the Suds: An Interactive Event Surrounding the Science of Brewing*, ASCLS-DE Dinner Meeting, 1.0 P.A.C.E. Credit Hour.
- 9-13-15 *Module 2: ABO Discrepancy*, Immucor LEARN™ eGRIPS Course, 1 P.A.C.E. Credit Hour.
- 4-1-15 *Module 1: Basic Antibodies*, Immucor LEARN™ eGRIPS Course, 1 P.A.C.E. Credit Hour.
- 4-1-15 *Module 11: Basic Antibodies*, Immucor LEARN™ eGRIPS Course, 1 P.A.C.E. Credit Hour.
- 4-1-15 *Module 17: Blood Bank Basics and Beyond*, Immucor LEARN™ eGRIPS Course, 1 P.A.C.E. Credit Hour.
- 2-20-15 *Transitioning to "Competency-based" Clinical Rotations*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 1.5 P.A.C.E. Credit Hours.
- 2-20-15 *Incorporating Manufacturers Online Education to Bridge the Gap between Student Lab and Clinical Practicum*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 1 P.A.C.E. Credit Hour.
- 2-20-15 *Flipping the Laboratory with Interactive Online Laboratory Exercises*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 1.5 P.A.C.E. Credit Hours.
- 2-20-15 *A Closer Look at the BOC – What's behind the Curtain*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 1 P.A.C.E. Credit Hour.
- 2-19-15 *Leading Change: Strategies for Successful Change Initiatives*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 1.5 P.A.C.E. Credit Hours.
- 2-19-15 *Writing C.A.P. Objectives for L.L.C. What Does the Verb Have to do with It?* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 1.5 P.A.C.E. Credit Hours.
- 2-19-15 *Improving Test Utilization – Better Care at a Lower Cost*, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 1 P.A.C.E.

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Credit Hours.

- 2-19-15 NAACLS – Standard II: Understanding NAACLS' Standard for Assessment and Continuous Quality Improvement Programs, American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, Cincinnati, OH, 4.5 P.A.C.E. Credit Hours.**
- 10-26-14 *Test Your Blood Bank Knowledge.* AABB Annual Meeting 2014, 1.5 P.A.C.E. Credit Hours.
- 10-26-14 *Top Gun Serology.* AABB Annual Meeting 2014, 1.5 P.A.C.E. Credit Hours.
- 10-26-14 *It's Time to Resolve Serological Weak D Test Results Using Molecular Methods.* AABB Annual Meeting 2014, 1.5 P.A.C.E. Credit Hours.
- 10-26-14 *Creating a Successful Training Program: Does It Have to Be on YouTube for Them to Pay Attention?* AABB Annual Meeting 2014, 1.5 P.A.C.E. Credit Hours.
- 10-25-14 *Red Blood Cells: Traditional Immunohematology I.* AABB Annual Meeting 2014, 1.5 P.A.C.E. Credit Hours.
- 10-25-14 *Iron and Red Blood Cells in Blood Banking and Transfusion: Insights from REDS-III and Other Research Protocols.* AABB Annual Meeting 2014, 1.5 P.A.C.E. Credit Hours.
- 10-25-14 *Uncommon Donors in the Cloud.* AABB Annual Meeting 2014, 1.5 P.A.C.E. Credit Hours.
- 10-7-14 *Development of a Novel Plant-Produced Malaria Vaccine.* ASCLS-DE Dinner Meeting, 1.0 P.A.C.E. Credit Hour.
- 9-30-14 *The Microbiology of Food: James Beard Meets Typhoid Mary.* Johns Hopkins Medicine, 2<sup>nd</sup> Annual Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 9-30-14 *Legal Highs: A research chemist, a packet, and a patient. What can the clinical laboratory do?* Johns Hopkins Medicine, 2<sup>nd</sup> Annual Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 9-30-14 *Not Your Typical Blood Bank Case Studies.* Johns Hopkins Medicine, 2<sup>nd</sup> Annual Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 9-30-14 *JHH Response to Shooter Event: Options for Employees.* Johns Hopkins Medicine, 2<sup>nd</sup> Annual Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 9-30-14 *The Next Generation of Cancer Diagnostics: Clinical Proteomics?* Johns Hopkins Medicine, 2<sup>nd</sup> Annual Pathology Education Symposium, 1.0 P.A.C.E. Credit Hour.
- 8-22-14 *Chemical Waste Disposal Training.* University of Delaware Department of Environmental Health & Safety online training.
- 8-22-14 *Advanced Chemical Hygiene/Right to Know Training.* University of Delaware Department of Environmental Health & Safety online training.
- 5-30-14 *Keeping Secrets in Your Lab?* Joint University/Clinical Instructors Meeting, University of Delaware, 1 Credit Hour.
- 3-11-14 *Pathology of the Pancreas: Gross Examination is the first step toward correct diagnosis.* Johns Hopkins Medicine, Dept. of Pathology Inaugural Pathology Education Symposium (online access). 1.0 P.A.C.E. Credit Hour.
- 2-21-14 *Laboratory Science Students in an Interprofessional Health Care Course.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.0 P.A.C.E. Credit Hour.
- 2-21-14 *Hot Topics.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.5 P.A.C.E. Credit Hours.
- 2-21-14 *Is There an App for That? Lab Apps for Smartphones and Tablets.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.5 P.A.C.E. Credit Hours.
- 2-21-14 *Understanding the Needs of our Clinical Preceptors.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.0 P.A.C.E. Credit Hour.
- 2-21-14 *What Academic Administrators are Thinking.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.5 P.A.C.E. Credit Hours.
- 2-21-14 *Teaching Critical Thinking for Professional and Career Development.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.0 P.A.C.E. Credit Hour.
- 2-20-14 *Let the Games Begin: Competing for Students' Attention in Your Classroom.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators'



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- Conference, San Jose, CA. 1.0 P.A.C.E. Credit Hour.
- 2-20-14 *Clinical Sites: Issues and Approaches.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.5 P.A.C.E. Credit Hours.
- 2-20-14 *Better Together: Developing World-Class Programs with Results.* American Society for Clinical Laboratory Science, Clinical Laboratory Educators' Conference, San Jose, CA. 1.0 P.A.C.E. Credit Hour.
- 2-20-14 ***Taking a Step Forward – An Examination of the New Standards and Improved Accreditation/Approval Processes. National Accrediting Agency for Clinical Laboratory Sciences – Pre-CLEC Workshop, San Jose, CD. 4.5 P.A.C.E. Credit Hours.***