

CURRICULUM VITAE

Name: Elizabeth E. Hart (Correiro) MAT, MLS (ASCP)^{CM} **College:** Nursing & Health Sciences
Title: Teaching Professor **Department:** Medical Laboratory Science

RECOMMENDATION FOR: Promotion to Teaching Professor

HIGHER EDUCATION

A. Degrees

MAT University of Massachusetts Dartmouth, North Dartmouth, MA
Dates attended: 2004-2007
Masters of Arts in Teaching: Science/Biology
Date Conferred: January 2008

B.S. Framingham State College
Dates attended: 1989-1991
Bachelor of Science Degree: Clinical Laboratory Science
Date Conferred: May 1991

B. Additional Higher Education

University of Rhode Island
Graduate School-College of Education
Dates attended: 1999-2002
Area of Study: Education/Teaching

University of Rhode Island
Dates attended: 1987-1989
Area of study: Clinical Laboratory Science

CERTIFICATIONS

Online Teaching Certificate March 2023
Online Learning Consortium (OLC)

Medical Laboratory Scientist, Generalist (185649) 1991-current
Board of Registry, American Society of Clinical Pathologist (ASCP)

Secondary Education Teaching Certification 2002-2005
Biology and General Science
State of Rhode Island and Providence Plantations

Clinical Laboratory Scientist (015645612) 1995
National Certification Agency (NCA)

EXPERIENCE**A. Teaching**

Teaching Professor University of Massachusetts Dartmouth Department of Medical Laboratory Science College of Nursing & Health Sciences	Aug. 2024-Present
Associate Teaching Professor University of Massachusetts Dartmouth Department of Medical Laboratory Science College of Nursing & Health Sciences	2022-Aug. 2024
Senior Lecturer University of Massachusetts Dartmouth Department of Medical Laboratory Science College of Arts & Science (2017-2019) College of Nursing & Health Sciences (2019-2022)	2017-2022
Full-Time Lecturer University of Massachusetts Dartmouth Department of Medical Laboratory Science College of Arts & Science	2003-2017

B. Other

Education Director University of Massachusetts Dartmouth Center for Molecular Diagnostics	2017-Present
Senior Medical Laboratory Scientist Mass General Brigham-Faulkner Hospital Boston, Massachusetts Department of Pathology-Transfusion Services	1995-Present
Director STEM Biotechnology and Forensic Science Summer Camp Massachusetts Department of Education STEM-Southcoast Regional PreK-16	2008-2010
Molecular Biology Research Scientist UMass-Dartmouth, North Dartmouth, MA Co-Principal Investigators: Peter E Hart, PhD, Dept. of Biology, And Catherine Neto, PhD, Dept. of Chemistry and Biochemistry, UMass-Dartmouth. Annual Funding (\$50,000) Cranberry Institute Research Topic: Examining the effects of polyphenolic compounds isolated from <i>Vaccinium Macrocarpon</i> on mammalian tumor cell lines.	2005-2009

Science Educator Portsmouth High School, Portsmouth, RI Biology, Biochemistry, and General Science	2002-2003
Medical Laboratory Scientist New England Deaconess Hospital Boston, Massachusetts Department of Pathology-Transfusion and Donor Services	1991- 1995

C. Course Instructed at UMass Dartmouth

Online Instruction

MLS 421-7101: Immunohematology I (MLT-MT Online Program)	2021-present
MLS 422-7101: Immunohematology II (MLT-MT Online Program)	2021-present
MLS 121-7101: Human Genetic (Summer course)	2018-present
MLS327-7101: Applications of Immunology and Human Genetics to Immunohematology	Initial offering Winter 2024

Face-to-Face Instruction

MLS 325: Clinical Immunobiology	2010-present
MLS 326: Clinical Immunobiology Laboratory, <i>Course Coordinator</i>	2010-present
MLS 421: Immunohematology I, <i>Course Coordinator</i>	2008-present
MLS 422: Immunohematology II, <i>Course Coordinator</i>	2006-present
MLS 121: Human Genetics	2004-present
MLS 122: Human Genetics Laboratory, <i>Course Coordinator</i>	2004-2021
MLS 200H (Honors): Introduction to Forensic Science and DNA Technology	2007-2011
CAS 101: Introduction to the Arts & Sciences	2011
MLS 432: Hematology II	2007, 2011
MAT650/SCI 510: Molecular Diagnostics for Educators	2008-2009
MLS 116: Introduction to Clinical Laboratory Techniques	2003-2008
MLS 495: Independent Study	2007
MLS 431: Hematology I	2005-2006

ACADEMIC AND PROFESSIONAL HONORS

Scholarship and Professional Activities

Cell Therapy Clinical Internship and Certificate Program Committee	2021-Present
Massachusetts Association of Blood Banks	
▪ Annual Seminar Committee	2022-present
▪ P.A.C.E. (Continuing Education) Coordinator	2019-present
▪ Board of Directors	2019-present
College of American Pathologists (CAP), <i>Inspector</i>	2016-present
MediaLab, Inc. CAP competency courses, <i>ad hoc Reviewer</i>	2014-present

Association for the Advancement of Blood & Biotherapies (Formerly, American Assoc. of Blood Banks), <i>Assessor</i>	2014-present
Transfusion Committee Mass General Brigham-Faulkner Hospital Dept. of Pathology	1995-present
Media Lab, Inc. CAP Competency Courses, <i>Reviewer</i>	2009-2022
Transfusion Medicine Specialist, <i>Consultant</i> Brigham & Women's Faulkner Hospital, Boston, MA	2006-2020
MacMillan Publishing Co. Griffiths, An Introduction to Genetic Analysis, 12ed., <i>Reviewer</i>	2018
Harmening D. Modern Blood Banking & Transfusion Practices, 7e., <i>Reviewer</i>	2015, 2017
American Society of Clinical Laboratory Scientists of Central New England (ASCLS-CNE)	
▪ Board of Directors	2011-2015, 2017-19
▪ Awards Committee, <i>Chairperson</i>	2013-2017
▪ Treasurer	2008-2011
▪ Membership Committee, <i>Co-Chairperson</i>	2003-06
American Biology Teacher (ABT), <i>ad hoc Reviewer</i>	2007-2011
Spencer Publishing Co., Forensic Science textbook- <i>ad hoc Reviewer</i>	2010
Forensic/Biotechnology Summer Camp, <i>Director</i> A partnership between the Fall River Public Schools, University of Massachusetts-Dartmouth, and CONNECT. The camp was one of ten programs that shared \$3.3 million from a state fund through the Board of Higher Education	July 20-24, 2009 July 21-24, 2008
<u>Current Professional Memberships</u>	
Association for the Advancement of Blood & Biotherapies	Since 2010
▪ Formerly American Association of Blood Banks, AABB™	
Massachusetts Association of Blood Banks (MABB)	Since 2008
American Society of Clinical Laboratory Scientists (ASCLS)	Since 2003
American Society Clinical Pathologists-Board of Certification	Latest renewal
▪ Voluntary Certification Maintenance Program (ASCP) ^{CM}	2023-2026

PUBLICATIONS

Peer reviewed publications

Journal Articles

Correiro E, Griffin L, Hart PE. 2008. A constructivist approach to inquiry-based learning: A TUNEL assay for the detection of apoptosis in cheek cells. *The American Biology Teacher*; 70(8). 457-60.

Abstracts

Developing a Student-Centered Donor Workshop in a University Setting (ED10)

Hart E, K Ouellette K. Department of Clinical Laboratory Science, University of Massachusetts-Dartmouth, Dartmouth, MA. AABB Annual Meeting and CTTXPO, Boston, MA. October 2018.

Validation of Quotient's IgG Sensitized RBCs (IGT82)

Gorey T¹, **Hart E**^{1,2}. ¹Transfusion Services, Brigham and Women's Faulkner Hospital, Boston, MA, United States; ²Clinical Laboratory Science, University of Massachusetts-Dartmouth, Dartmouth, MA. AABB Annual Meeting and CTTXPO, Boston, MA. October 2018.

Use of Microscope for Pre-Transfusion Antibody Screens (CP254)

Gorey T¹, **Hart E**^{1,2}. ¹Transfusion Services, Brigham and Women's Faulkner Hospital, Boston, MA, United States; ²Clinical Laboratory Science, University of Massachusetts-Dartmouth, Dartmouth, MA. AABB Annual Meeting and CTTXPO, San Diego, CA. October 2017.

Utilization Audit of Using Thawed Plasma (AP20)

Gorey T¹, **Hart E**^{1,2}. ¹Transfusion Services, Brigham and Women's Faulkner Hospital, Boston, MA, United States; ²Clinical Laboratory Science, University of Massachusetts-Dartmouth, Dartmouth, MA, United States. AABB Annual Meeting and CTTXPO, Orlando, FL. October 2016.

Use of Expired Reagent Panel Cells: Reactivity and Hemolysis Indicators (SP307)

T Gorey¹, **E Hart**^{1,2}. ¹Transfusion Services, Brigham and Women's Faulkner Hospital, Boston, MA, United States; ¹Blood Bank, Brigham and Women's Faulkner Hospital, Boston, MA, ²Clinical Laboratory Science, University of Massachusetts, Dartmouth, MA, United States. AABB Annual Meeting and CTTXPO, Philadelphia, PA. October 2014.

Temperature Devices for the Monitoring of Returned RBCs for Reissue (SP100)

T Gorey¹, **E Hart**^{1,2}. 2013. ¹Blood Bank, Brigham and Women's Faulkner Hospital, Boston, MA, United States; ² Clinical Laboratory Science, University of Massachusetts-Dartmouth, Dartmouth, MA. AABB Annual Meeting and CTTXPO, Denver, CO. October 2013.

Tissue Usage Cards Used as a Quality Indicator (SP361)

T Gorey¹, **E Hart**^{1,2}. 2012. ¹Transfusion Services, Faulkner Hospital, Boston, MA, United States; ²Clinical Laboratory Science, University of Massachusetts-Dartmouth, Dartmouth, MA, United States. AABB Annual Meeting and CTTXPO, Boston, MA. October 2012.

Difficulty in Monitoring Transfusion Transmitted Infections (SP430)

T Gorey¹, Dolores Marmol¹, **E Hart**^{1,2}. 2012. ¹Blood Bank, Faulkner Hospital, Boston, MA,

²Clinical Laboratory Science, University of Massachusetts-Dartmouth, Dartmouth, MA, United States.
AABB Annual Meeting and CTTXPO, Boston, MA. October 2012.

Performance of the DAT Positive Control Cell on the Galileo Echo (SP347)
Gorey T¹, **Hart E**^{1,2}. ¹Blood Bank, Faulkner Hospital, Boston, MA,
²UMass-Dartmouth, Dartmouth, MA, United States.
AABB Annual Meeting and CTTXPO, San Diego, CA. October 2011.

Evaluation of Two RPR Card Test Kits (SP364)
Gorey T¹, **Hart E**^{1,2}. ¹Blood Bank, Faulkner Hospital, Boston, MA,
²UMass-Dartmouth, Dartmouth, MA, United States.
AABB Annual Meeting and CTTXPO, Baltimore, MD. October 2010.

Correiro E, Liberty AM, Neto C, and Hart PE. 2007. Tumor-specific cytotoxicity of polyphenolic compounds isolated from *Vaccinium macrocarpon*. *Molecular Biology of the Cell*.

Correiro E, Berube B. Feb. 2007. Professionalism: Making the Grade. *Clinical Laboratory Science*.

Correiro E, Rego S, Neto C, Hart PE. 2006. Polyphenolic compounds isolated from *Vaccinium macrocarpon* affect tumorigenesis in breast and colon cell lines. *Molecular Biology of the Cell* 17: 662.

Brodeur L, **Correiro E**. Teaching Techniques to Increase First Year Success. *Clinical Laboratory Science*, spring 2006; 19(2). 95.

Griffin L, Rego S, **Correiro E**, Neto C, Hart PE. 2005. Induction of apoptosis in tumor cell lines by polyphenolic compounds isolated from *Vaccinium macrocarpon*. *Molecular Biology of the Cell* 11, 184a.

GRANTS RECEIVED

Provost's Departmental Seminar Series Grant (\$700)	2021-2022
Chancellor's Travel Grant (\$500)	2006
CAS Dean's Travel Grant (\$1000)	2005
Center for Teaching and Excellence, Teaching Partnership Grant (\$500)	2007-08
Center for Teaching and Excellence First Year Success Stipend (\$500/year)	2005-2007
Provost's Travel Grant (\$500/year)	2006, 2007, 2011
Provost's Travel Grant (\$1000)	2008
Teaching Partnerships, Center for Teaching and Excellence (\$500)	2007-08
First-Year Success Grant (\$500/year)	2005, 2008, 2009
Chancellor's Advisory Committee on Innovation in Teaching Grant (\$1822)	2004

STIPENDS RECEIVED

<u>Online Course Development/OCE</u>	
MLS327-7101, <i>Codeveloper</i> (\$2000)	2023
MLS 421-7101, <i>Codeveloper</i> (\$2000)	2021
MLS 422-7101, <i>Codeveloper</i> (\$2000)	2020
MLS 121-7101, <i>Developer</i> (\$4000)	2020

a. Works presented

National presentations

Oral presentations

Rubien N¹, **Hart E**¹; ¹Medical Laboratory Science, University of Massachusetts, Dartmouth, MA.
Improving Scientific Writing and Literacy - An Integrated Approach
ASCLS Clinical Laboratory Educators' Conference (CLEC); Boston. February 24, 2017.

West CM, King B¹, **Hart E**^{2,3,1} Dana-Farber Cancer Institute, Boston, MA. ²Blood Bank, Faulkner Hospital, Boston, MA, ³UMass-Dartmouth, North Dartmouth, MA, United States.
Nurses are from Mars; Lab Techs are from Venus: Interprofessional Collaboration in the Workplace.
AABB Annual Meeting and CTTXPO, Boston. October 7, 2012.

Correio E. Strategies to Increase First-Year Student Success in a Clinical Laboratory Program
ASCLS Clinical Laboratory Educators' Conference (CLEC); February 2009.

Hart P, **Correio E.** A mini-curriculum that incorporates constructivist principles into a suite of DNA damage assays. National Biology Teachers Professional Development Conference; Memphis, TN. October 2008.
(5-hour wet workshop)

Correio E. Partial D in a Surgical Patient. American Society for Clinical Laboratory Scientist Annual Conference. Washington, D.C. July 2008.

Bouchard B, **Correio E.** Professionalism: Making the Grade; Clincial Laboratory Educators Conference (CLEC). San Antonio, TX. February 2008.

Hart P, **Correio E.** A Mini-curriculum that Incorporates Constructivist Principles into a Suite of DNA-Damage Assays National Biology Teachers Professional Development Conference; Atlanta, GA. December 2007.

Bouchard B, **Correio E**, Boudria T. Anatomy of a Biotechnology Program: UMass-Dartmouth Partnering with Bristol TechPrep. National TechPrep Network Annual Convention; September 2005.

Correio E, Bouchard B, Boudria T. UMass Dartmouth- Bristol TechPrep Partnership Integrate Professionalism in the Classroom. National Tech Prep Annual Convention; October 2004.

Regional presentations and Workshops

Hart E. UMass-Dartmouth, North Dartmouth, MA, United States.
Antigen-Antibody Interactions: Back to Basics. A How-To for Interpretation of Panels
Massachusetts Association of Blood Banks 42nd Annual Seminar and Exhibit. Westford, MA. April 2014.

Hart E, Brodeur L. UMass-Dartmouth, North Dartmouth, MA, United States.
Forensic Science and Biotechnology Workshop. Girls STEM Summit. Worcester Polytechnic Institute.
November 2013.

Hart E. Immunohematology Case Studies: Serology & Beyond. ASCLS Region I Seminar, Springfield, MA. November, 2010, 2012, and 2013.

Hart E, Brodeur L. Forensic Science and Biotechnology Workshop. SciTech Girl Expo. Massachusetts Maritime Academy. April 2013.

Hart E. Careers in Medical Laboratory Science . (Panel Presenter). ASCLS-CNE Annual Convention, Providence, RI. May 2011, 2012, and 2013.

Hart E, Brodeur L. Forensic Science & Biotechnology Workshop. SciTech Girl Expo. Massachusetts Maritime Academy. April 7, 2012.

Hart E, Brodeur L. Forensic Science and Biotechnology Workshop. SciTech Girl Expo. Massachusetts Maritime Academy. April 9, 2011.

Local presentations

Hart E, Ouellette K. Donor Workshop in MLS421. CNHS Evening of Scholarship, Sept. 28, 2022.

Correio E. Hidden Curriculum: Integrating Teaching and Learning Strategies to Promote First-Year Success among Science Majors. Center for Teaching Excellence: Talking About Teaching Conference. UMass-Dartmouth; January 2009.

Correio E. Supportive Practices in Teaching and Teaching Partnerships. Center for Teaching Excellence: Talking About Teaching Conference. UMass Dartmouth; January 2008.

Correio E. Strategies for Success in the Classroom; 7th Annual First-Year Success Conference. UMass Dartmouth; June 2007.

Correio E, Neto C, Hart PE. Polyphenolic compounds isolated from *Vaccinium macrocarpon* affect tumorigenesis in breast and colon cell lines. 13th Annual Sigma Xi Research Exhibit, UMass-Dartmouth; April 2007.

Correio E, Hart PE. Co-Presenter: Group Inquiry-based Learning in the Laboratory. Center for Teaching Excellence: Talking About Teaching Conference. UMass-Dartmouth; January 2007.

Correio E. Use of a Student Grade Record in Human Genetics: 6th Annual First-Year Success Conference. UMass Dartmouth; June 2006.

Griffin L, Rego S, **Correio E**, Neto C, Hart PE. Induction of apoptosis in tumor cell lines by polyphenolic compounds isolated from *Vaccinium macrocarpon*. 12th Annual Sigma Xi Research Exhibit, UMass-Dartmouth; April 2006.

UNIVERSITY SERVICE

Retention Committee	2024-present
Office of Faculty Development Committee, <i>CNHS Representative</i>	2024-present
Admissions Committee	2020-2024
Technology Committee	2020-present
Grievance Hearing Committee	2019-present
Center for Molecular Diagnostics, <i>Education Director</i>	2018-present
<i>Reviewer</i> , Promotion of faculty to Associate Teaching Professor Dept. of Chemistry and Biochemistry	January 2023
Student Commencement Speaker Committee	2022
Moonlight Breakfast	2021-2023
Search & Screen Committee, Dept. of Medical Laboratory Science	2014-2017, 2021
Student Activities Committee	2016-2021
University Curriculum Committee	2010-12, 2018-2020
Freshman Orientation	2017, 2018
Scholar of the Year Committee	2013-2015
Grade Appeal Committee	2005-2015
Honors Program Committee	2009-2012
Student Financial Aid & Scholarship Committee	2009-2013
CSI Dartmouth; Spotlight Program, <i>Coordinator and instructor</i>	2007-2010
Teacher of the Year Committee	2007-2010
First-Year Success Program	2005-2010
Library Committee	2003-2006
Cultural Affairs Committee: UMass Dartmouth, <i>Secretary</i>	2004-2006
Outing Club, <i>Faculty Advisor</i>	2003-2006
 <u>Service to the College</u>	
CNHS Retention and Student Success Committee, <i>Co-Chair</i>	2021-present
CNHS Student Leadership Academy, <i>Presenter</i>	2022
College of Arts and Sciences Curriculum Committee	2006-2019
 <u>Service to the Department</u>	
High School Outreach Initiative, <i>Coordinator</i>	2023-present
Molecular Diagnostics Committee	2022-present
MLT-MT Online Program Admissions Committee	2019-present
Clinical Practicum Faculty Liaison	2018-present
MLT-MLS Online Program Curriculum Committee	2018-present
Dept. Faculty Evaluation Committee	2015, 2023-present
Academic Advisor, First-year MLS students	2013-present
Med Lab Science Dept. Curriculum Committee, <i>Chairperson</i>	2010-present
Senior Capstone Project-Clinical Case Study, <i>Advisor</i>	2006-present
Open House, Accepted Students Day, Discovery Day	2005-present
High School Laboratory Exploration Day, <i>Facilitator</i>	2005-present
MLS Advisory Committee	2004-present
MLS121-7101: Human Genetics- Summer Course	2018-2023
MLS Summer Internship Presentation & Luncheon, <i>Facilitator</i>	September 2022