

(Updated 5/10)
COMPREHENSIVE PROFESSIONAL VITAE

Alease S. Bruce

Professor of Physiology/Immunology

Department of Clinical Laboratory and Nutritional Sciences

School of Health and Environment

UNIVERSITY OF MASSACHUSETTS LOWELL

A. EDUCATION AND ACADEMIC QUALIFICATIONS

1. Education

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|--------------|------|--|
| Ph.D. | 1974 | Biomedical Physiology, Howard University,
Washington, DC |
| M.S. | 1967 | Physiology, Howard University,
Washington, DC |
| B.S. | 1965 | Zoology, Hampton Institute (University),
Hampton, VA, Cum Laude |

2. Academic Experience

- | | |
|---------------------|--|
| 2010 | Professor/Corporate and Continuing Education Coordinator
Department of Clinical Laboratory and Nutritional Sciences
University of Massachusetts Lowell
Lowell, MA |
| 2009 | Professor/Interim Graduate Coordinator/ Corporate and
Continuing Education Coordinator
Department of Clinical Laboratory and Nutritional Sciences
University of Massachusetts Lowell
Lowell, MA |
| 1998-present | Professor/Corporate and Continuing Education Coordinator
Department of Clinical Laboratory and Nutritional Sciences
(current name)
Department of Health and Clinical Sciences (former name)
University of Massachusetts Lowell
Lowell, MA |
| 1996-1998 | Professor/Continuing Education Coordinator
Department of Health and Clinical Sciences
(merger and rename)
University of Massachusetts Lowell
Lowell, MA |

1992-1996	Professor/Chairperson/Graduate Coordinator Department of Clinical Laboratory Sciences University of Massachusetts Lowell Lowell, MA
1986-1992	Professor/ Chairperson Department of Clinical Laboratory Sciences University of Massachusetts Lowell Lowell, MA
1982-1986	Associate Professor/Chairperson Department of Clinical Laboratory Sciences University of Lowell Lowell, MA
1975-1982	Assistant Professor Department of Clinical Laboratory Sciences University of Lowell Lowell, MA
1974-1975	Research Associate Department of Biological Sciences College of Pure and Applied Sciences University of Lowell Lowell, MA
1972-1974	Graduate Teaching Assistant in Physiology Department of Zoology Howard University Washington, DC
1972-1974	Trainee in Immunology and Physiology Biomedical Interdisciplinary Project Department of Zoology/Graduate School Department of Physiology/Medical School Howard University Washington, DC
1966-1968	Graduate Teaching Assistant in Physiology Department of Zoology Howard University Washington, DC
1964 (summer)	Teacher's Assistant Phillips Exeter Academy Exeter, NH

3. Honors

1986	Tribute to Women in Industry Award for Outstanding Leadership
1986	Citation from State of Massachusetts in Recognition of Leadership and Achievement
1976	University of Lowell Nominee for Radcliffe Fellowship
1965	Graduated Cum Laude, Hampton Institute (University)

B. PROFESSIONAL ACTIVITIES

1. Professional Affiliations

Current

American Association of University Women
Human Anatomy and Physiology Society
National Science Teachers Association
Society for Sigma XI
American Society for Clinical Laboratory Science

Past

American Association for Higher Education
American Association for the Advancement of Science
American Society of Allied Health Professions
Clinical Laboratory Science Society of Central New England
Clinical Immunology Society
National Association for Female Executives
New York Academy of Sciences
The Gerontological Society

2. Professional Honors and Awards

2010	Outstanding Graduate Faculty Award Student Government Teacher Award Nominee
2009	Student Government Teacher Award Nominee
2007	Faculty Award for Excellence and Service, CSCE, Faculty Convocation
2007	Faculty Award, National Student Athlete Day
2004	Departmental Teaching Award
2003	Core Member, American Association of Higher Education/Carnegie Campus Programs
2001	Publication in September 2001 issue of the Journal of College Science Teaching a winning issue in the "Print Publications/Periodicals/Sponsored Publication Adult" category awarded by the 2002 Distinguished Achievement Awards program sponsored by the Association of Educational Publishers
2000	Nominee for the Department Teaching Excellence Award
1999	National Student - Athlete Day Award for recognition in Teaching
1988	Dean's Professional Development Award
1987	Dean's Professional Development Award
1986	Dean's Professional Development Award
1985	Dean's Professional Development Award
1984	Dean's Professional Development Award
1983	Institutional Development Award for idea to encourage the exchange of good teaching techniques among teachers, departments, and colleges of the university
1982	Participant in research expedition in Liberia, West Africa with the University of California/Berkeley as part of the Biomedical Team studying the health impact of cassava on the Liberian population
1980	Special Invitation to visit and lecture at Zag-a-Zig University, A. R. Egypt

3. Consultations

- 2001-present** National Center for Case Study Teaching in Science, University of Buffalo, Buffalo, NY
- 1994** External Reviewer for Promotion and Tenure, The Catholic University of America, Washington, DC
- 1987-83** Collaboration with Hewlett-Packard, Waltham, MA in the development and instruction of the course, "Concepts in Human Physiology and Diagnostic Measurement" for engineers of Marketing and Manufacturing
- 1987-83** Consultantship with the International Science and Technology Institution, Inc., B. Keith W. Copeland PC, Washington, DC
- 1984** Collaboration with Instrumentation Laboratories, Inc., Andover, MA in the use of a hydridoma system in the production of anti-tumor antibody
- 1984** Collaboration with Nicholas Psaladakis and Centers for Tropical Diseases in the analysis of a proenzyme as an anti-ascites agent
- 1982** Collaboration with Instrumentation Laboratories, Inc., Andover, MA in the development of uses for the IL Tissue Culture System
- 1981** Collaboration on the Department of Energy contract to examine Potential Health Hazards Associated with Solar Rockbed Systems

4. Book/Case Reviews

- 2004, 06** McGraw-Hill Publishing Company
- 2002-09** National Center for Case Study Teaching on Science, University at Buffalo State University of New York
- 1998** Addison Wesley Longman Publishing Company
- 1984** Little, Brown Publishing Company

5. Grants

- 2008** National Center for Academic Transformation Grant for transformation of the course Human Anatomy and Physiology to be used as a university course model through the UML Council for Teaching and Learning (\$7,000.00)
- 2001** The Scholarship of Teaching and Learning: A Campus-Wide Mission, a monograph, from the American Association for Higher Education, (\$5,000)
- 2001** Development of UMass On-line Clinical Pathology Certificate, April, 2001 (awarded)
- 1998** CITA Grant for support of College Research Conference with Pearce and Seymour, (\$200.00)
- 1998** Public Service Endowment Grant for support of College Research Conferences with Pearce and Seymour, (\$1500.00)
- 1998** Mc Graw-Hill/WC Brown Publishing Company for support of College Research Conference, (\$100.00)
- 1994** A Full-day Conference on Teaching, Thinking and Problem Solving, (\$1,500.00), Seed Grant/ Task force on Teaching and Learning Excellence
- 1992** Preparation of Study Cards, (\$2,000.00), West Publishing Company
- 1991** Preparation of Study Guide, (\$500.00), West Publishing Company
- 1988** Effects of Dietary Fat Manipulation in the Pathogenesis of *Schistosoma mansoni* infection (\$2,000.00), Beghian Grant
- 1987** Teleconference Series in Continuing Medical Laboratory Education (\$675.00), AHEC
- 1987** Workshop in Schistosomiasis (\$2,800.00), AHEC
- 1986** Effects of Dietary Fat Manipulation on the Pathogenesis of *Schistosoma haematobium* Infections, (\$2540.00), Research Seed Money
- 1986** Teleconference Series in Continuing Medical Laboratory Education (\$675.00), AHEC
- 1985** A Workshop in Schistosomiasis (\$3,200.00), Greater Lowell Area, Health Education Center
- 1985** Teleconference Series on Continuing Medical Laboratory Education (\$675.00), Greater Lowell Area Health Education Center
- 1984** Teleconference Series in Continuing Medical Laboratory Education (\$95.00), AHEC

- 1983 Current Topics in Clinical Immunology with E. Rogers (\$2,500.00), AHEC
- 1983 A Workshop and Seminar Series on Diabetes. "The Disease and its Management" with S. Fessia and K. Doyle (\$2,234.00), AHEC
- 1983 Diabetes Seminar Series with S. Fessia and K. Doyle (\$500.00), AHEC
- 1982 Diabetes Workshop and Seminar for Continuing Education Program, University of Lowell with S. Fessia and K. Doyle (\$1,080.00), AHEC
- 1982 Diabetes Workshop and Seminar for Continuing Education Program, University of Lowell with S. Fessia and K. Doyle (\$1,080.00), AHEC
- 1981 A Grant-Writing Workshop, American Association of University Women (\$400.00), AAUW

6. Academic and Professional Publications

Abstracts and Proceedings

- 1994 Muscle Anatomy - An Interactive Multimedia Approach, Abstract for Human Anatomy and Physiology Society Conference, Portsmouth, NH, May, 1994
- 1988 Meeting the Challenge of Change in Allied Health Education, Abstract for First-World Congress on Allied Health, Elsinore, Denmark
- 1987 Strategies for Incorporating Research into a Clinical Laboratory Science Program, Proceedings of the Northeast Schools of Allied Health Annual Dean's Conference, Hyannis, MA
- 1987 Training Freshmen to Become Seniors: A Crash Program, Programs and Abstracts (with W. Roberts, T. Osmolski, E. Koss, and P. Rahmeier), The Freshman Year Experience, National Conference, Irvine, CA
- 1984 Laboratory Learning Modules in Anatomy and Physiology, (with B. Cocanour), Programs and Abstracts, Society for College Science Teachers, Vol. 4 of the 32nd National Convention, Boston, MA

Refereed Publications

- 2001** Skeletal Anatomy Seen through the Eyes of a Forensic Anthropologist, Electronic Hallway, National Center for Case Study Teaching in Science, Buffalo, NY. August, 2001.
- 2001** The Case Brings an Unexpected Discovery, *Journal of College Science Teaching*, volume 31, no.1, p. 37-41.
- 2001** Skeletal Muscle Contraction Simulation in a Large Classroom Setting, *HAPS EDucator*, 2001, Winter 2001, volume 5, no. 2, p 14-16.
- 1998** Physiological Consequences of Aging: The Cardiovascular System, *Anesthesia Today*, Philadelphia, PA
- 1996** HAPS Core Curriculum, Human Anatomy and Physiology Society, *EDucator*, November, 1996
- 1988** Applying scientific problem-solving methods to a technical curriculum (with B. Jochums), *Journal of College Science Teaching*
- 1988** End diffusion confusion in Ideas Bank (with B, Cocanour), *The Science Teacher*, Vol. 55, No. 8: 46-47
- 1986** The case of the soft-shelled egg (with B. Cocanour), *Science and Children*, Vol. 23, No. 6: 13-14
- 1985** Osmosis and the marvelous membrane (with B. Cocanour), *Journal of College Science Teaching*, Vol. XV, No. 2: 127-130
- 1975** Malaria: Macrophage migration inhibition factor (MIF) (with R. Coleman, and N. Rencricca, *Journal of Parasitology*
- 1975** The effects of temperature, sex, and circadian rhythm on oxygen consumption in two species of cockroaches (with W. Banks and H. Pert), *J. Comp. Biochem. Physiol*, 52A, 223-227
- 1974** The Occurrence of Hemagglutinins to Human Erythrocytes in the Hemolymph of the Cockroach, Dissertation for Doctor of Physiology, Howard University Press
- 1968** Metabolism of Cockroach Muscle. I. Oxygen Consumption, Master's Thesis, Howard University Press

Literature Citations

2002 Problem-Based Learning, *Adjunct Advocate*,
Jan./Feb. 2002, p.14-15.

Books

2004 *Laboratory Manual for Human Anatomy and Physiology*. T. Namm, A. Bruce, and B. Cocanour, Wiley

1992 *Laboratory Manual (Brief Version) for Human Anatomy and Physiology*, A. Bruce, B. Cocanour, T. Namm, and J. Farina, McGraw-Hill

1992 *Laboratory Manual with Cat Dissection for Human Anatomy and Physiology*, T. Namm, A. Bruce, B. Cocanour, and J. Farina, McGraw-Hill

1992 *Laboratory Manual with Fetal Pig Dissection for Human Anatomy and Physiology*, B. Cocanour, T. Namm, A. Bruce, and J. Farina, McGraw-Hill

1992 *Instructor's Manual to Accompany the Laboratory Manual*, T. Namm, A. Bruce, B. Cocanour, and J. Farina, McGraw-Hill

1992 *Laboratory Manual (Human Anatomy Version)*, A. Bruce, T. Namm, B. Cocanour, and J. Farina, McGraw-Hill

1992 *Human Anatomy and Physiology Study Guide*, West Educational Publishing Company

1992 *Study Guide with Coloring Exercises to Accompany Human Anatomy and Physiology*

1987 *Instructor's Manual for Human Anatomy and Physiology*, T. Namm, B. Cocanour, A. Bruce, and J. Farina, Random House

1987 *Laboratory Exercises for Human Anatomy and Physiology*, J. Farina, T. Namm, A. Bruce, and B. Cocanour, Random House

1987-84 *A Laboratory Manual of Human Anatomy and Physiology*, J. Farina, T. Namm, A. Bruce and B. Cocanour, Avco Press

1978 *A Laboratory Manual of Human Anatomy and Physiology*, J. Farina, T. Namm, A. Bruce, and B. Cocanour, McGraw-Hill Publishers

Monographs

2003 *Going Public with the Scholarship of Teaching (with M. Beaudry)* funded by AAHE Grant

Other

2004 *Campus Progress: Supporting the Scholarship of Teaching and Learning*, chapter in a book with M. Beaudry

1992 Flashcards to Accompany *Human Anatomy and Physiology*, West Publishing Company

Technical Reports

2001 Campus Map of Support for the Scholarship of Teaching and Learning

2000 Carnegie Forum Discussant Report

2000 Carnegie Technology Survey Report

1989-88 Self-Study for Accreditation of Medical Technology Program (with K. Doyle),

1986 Stage II Master's of Science in Clinical Laboratory Sciences

1985 Program Report for Institutional Review

1985 Intent-to- Plan for the Master's of Science in Clinical Laboratory Sciences

1983 Self-Study for Accreditation of Medial Technology Program (with K. Doyle)

7. Presentations

2010 A Pedagogical Approach to New Technology Introduced into a Classroom: The Lecture Capture System, UMass Lowell Faculty Research Conference, April 9, 2010

2008 Transformation of a Course, National Center for Academic Transformation, C²R Disciplinary Institute, New Orleans, LA. April 25, 2008

2008 "Turning Teaching into Scholarship" Indiana State University Speakers' Series, Terre Haute, IN, April 15, 2008.

- 2008** "Using a Lecture Capture System to Transform Teaching and Learning," National Science Teachers Association Conference, Boston, MA, March 27, 2008.
- 2007** "Turning Teaching into Scholarship" Massachusetts College of Pharmacy and Health Sciences, Manchester, NH, invited keynote speaker for School of Health Sciences Fall Retreat, August 28, 2007.
- 2007** "Reflecting on New Technology Introduced into the Classroom – the Apreso Capturing System"(poster), Human Anatomy and Physiology Society Conference, Diego, CA, June 27, 28, 2007.
- 2007** "Reflecting on New Technology Introduced into the Classroom – the Apreso Capturing System"(poster), Information Technology Council, Instructional Technology Conference, Sturbridge, MA, April, 2007
- 2006** Online vs. a Traditional Pathophysiology Course: Comparing Student Performance and Satisfaction", The 12th Annual Sloan-C International Conference on Online Learning, Orlando, FL, November, 2006
- 2006** Scholarly Inquiry an Active Learning, with Debra Runsh, Martha Wicker, and Debra Laverie (invited), 2006 CASTL Colloquium on the Scholarship of Teaching and Learning, Madison, WI, April 2, 2006
- 2006** Active Pedagogies: A Five-Campus Model (poster) with Debra Laverie, Debra Runsh, and Martha Wicker, Pre-Colloquium for CASTL Leadership Clusters and Affiliates, Madison, WI, April 1, 2006
- 2006** The Comparison of On-line and Traditionally Taught Courses (poster), National Science Teachers Association, National Convention, Anaheim, CA, April 6, 2006
- 2005** Incorporating Active Learning into Courses and Programs: A scholarly Dialogue (invited), with Debra Runsh, Robin Jordan, Martha Wicker, and Debra Laverie, Summer Academy, Snowbird, Utah, July 15, 2005
- 2005** Active Learning an Important Piece of the Teaching Strategy, (poster) Summer Academy, Snowbird, Utah, July 13, 2005
- 2005** Scholarly Inquiry about Active Pedagogies (poster) with Debra Runsh, Robin Jordan, Martha Wicker, and Debra Laverie, Summer Academy, Snowbird, Utah, July 13, 2005
- 2005** Scholarly Inquiry About Active Pedagogies: An Intra-Campus Collaborative, Poster Session, Carnegie Academy for the Scholarship of Teaching, Atlanta, GA, March 16-17, 2005
- 2006** The Scholarship of Teaching and Learning: A Campus-Wide Mission, Poster Presentation, the Carnegie Academy for the Scholarship of Teaching and Learning (CASTL), Chicago, IL, March 15-17,

- 2002** The Scholarship of Teaching and Learning: A Campus-Wide Mission, Poster Presentation , American Association for Higher Education's 2002 National Conference on Higher Education, Chicago, IL, March 16-19, 2002
- 2001** The Case Brings an Unexpected Discovery to the Laboratory. Poster Presentation, Human Anatomy and Physiology Society Conference, Maui, Hawaii, June 2 - 4, 2001
- 2001** Carnegie Technology Survey 2000 Poster Presentation, UMass Lowell, Conversation Dinner, November, 2000, and March, 2001
- 2001** How Much is Enough? A Technology Dilemma Poster Presentation, UMass Lowell, Conversation Dinner, November, 2000, and March, 2001
- 1999** Osteoporosis and Estrogen Replacement Therapy, Novorod Nursing Institute, Russia, March, 1999
- 1998** "Guided Activities to Foster Active Learning," Human Anatomy and Physiology Conference, Fort Worth, TX, May, 1998
- 1997** "Guided Activities to Foster Engaged Learners," Human Anatomy and Physiology Society International Conference, Toronto, Canada, June, 1997
- 1996** "The Anatomy and Physiology Syllabus as a Teaching Tool," Human Anatomy and Physiology Society Conference, Portland, OR, June, 1996
- 1994** "Muscle Anatomy - An Interactive Multimedia Approach, " Human Anatomy and Physiology Society Conference, Portsmouth, NH, May, 1994
- 1989** "Using Academic Partnerships to Expand the Professional Role and Enhance the Professional Image," American Society of Allied Health Professions, Annual Conference, Richmond, VA, November, 1989
- 1988** "Meeting the Challenge of Change in Allied Health Education," First World Congress on Allied Health, American Society of Allied Health Professions, Elsinore, Denmark, June, 1988
- 1987** Development of script for video survey: "Current Attitudes in Clinical Science Education" produced by Media Center, (Presented at the Region I America Society for Medical Technology), University of Lowell, Lowell, MA, November, 1987
- 1987** "Current Attitudes in Clinical Sciences Education," Region I Meeting of the American Society for Medical Technology, Framingham, MA, November, 1987

- 1987** "Training Freshmen to Become Seniors," National Conference on the Freshman Year Experience, Irvine, CA, January, 1987
- 1987** "Strategies for Incorporating Research into a Clinical Laboratory Sciences Program," Northeast Schools of Allied Health Annual Dean's Conference, Hyannis, MA, May, 1987
- 1987** "Developing Interdisciplinary Graduate Research Courses: Trials and Tribulations," Northeast Schools of Allied Health Annual Dean's Conference, Hyannis, MA, May, 1987
- 1985** "Translating Ideas into Action," American Association of University Women Division Conference, Auburn, MA, April, 1985
- 1985** "Alternative Career Opportunities," Massachusetts Association for Medical Technology, Sturbridge, MA, April, 1985
- 1984** "Health Impact of Cassava in Liberia," American Association of University Women, Andover, MA, February, 1984
- 1984** Laboratory Learning Modules for Anatomy and Physiology, National Science Teachers Conference, Boston, MA, April, 1984
- 1983** "Health Impact of Cassava in Liberia," Research Seminar, College of Health Professions, Lowell, MA, March, 1983
- 1983** "Immunobiochemistry: Diabetes Seminar Series: Pathophysiology, Etiology and Laboratory Screening of the Disease," Massachusetts Association for Medical Technology Meeting, Sturbridge, MA, 1983
- 1983** "Anatomy and Physiology of the Pancreas," Diabetes Seminar Series Continuing Education, University of Lowell, Lowell, MA, October, 1983
- 1983** "Use of Monoclonal Antibody for the Detection of Bladder Cancer," American Society for Medical Technology, Regional Seminar, Hartford, CT, November, 1983
- 1982** "The Etiology of Cancer and the Chemical Carcinogens in the Environment," Hazardous Substance Information Night, Neighborhood Involvement for a Clean Environment (NICE), Lowell, MA, April, 1981
- 1982** "The Anatomy and Physiology of the Pancreas" Diabetes Workshop and Seminar, University of Lowell Continuing Education Program, AHEC funded grant, Lowell, MA, October, 1982

- 1981 "The Etiology of Cancer and the Chemical Carcinogens in the Environment," Hazardous Substance Information Night, Neighborhood Involvement for a Clean Environment (NICE), Lowell, MA, April, 1981
- 1981 "Diet and Nutrition - Their Effect on Tumor Formation during Parasitic Infection," Continuing Education Program on Schistosomiasis, University of Lowell, March, 1981
- 1980 "Paralleling Health Care Needs of the East and West," Seminar to Graduate Students, Zag-a-Zig University, Zag-a-Zig, Egypt, February, 1980
- 1978 "Choosing a Career as a Physiologist," Andover East Junior High School, Andover, MA, October, 1978

C. SERVICE ACTIVITIES

1. Administrative Accomplishments

While chairing the Department of Clinical Laboratory Sciences, numerous accomplishments were achieved. I played an active role in contract negotiations and report preparation during this period of administration.

- 1983 Accreditation of the Medical Technology Program by the Certification Agency for Health Education through the National Accrediting Agency for Clinical Laboratory Sciences
- 1984 Development of the Clinical Science Option
- 1985 Acquisition of two new clinical affiliations
- 1985 Preparation of intent to plan for the Master's of Science in Clinical Laboratory Sciences
- 1985 Development of a recruitment/promotion slide/tape presentation
- 1985 Preparation of Program Report for Institutional Review
- 1985-1996 Increased research milieu of department
- 1986 Acquisition of two new clinical affiliations
- 1986 Preparation of Stage II of the Master's of Science in Clinical Laboratory Sciences
- 1987 Implementation of the Master's Program
- 1988 Implementation of the Exercise Physiology Option
- 1988-1989 Re-accreditation of the Medical Technology Program
- 1991 Acquisition of two new clinical affiliations

1994. Acquisition of two new clinical affiliations

2. University Committees

1981-1996	Institutional Review Board for Human Subjects
1982-1985	Undergraduate Academic Policies Committee
1982	Task Force Subcommittee on Handicapped Students
1983	Grievance Committee
1983	Search Committee for Affirmative Action Officer
1983	Sigma XI Speakers Committee
1984	Search Committee for Facilities Manager
1984	Interdisciplinary Biotechnology Coordinating Committee
1984	Search Committee/Assistant Dean, College of Health Professions
1985	Interdisciplinary Cancer Research Committee
1985	Commission for Cultural Affairs
1985	Commission for Undergraduate and Graduate Minority Recruitment
1985	Grievance Committee
1986	Search Committee/Acting Dean of College of Pure and Applied Sciences
1986	Search Committee/Director of Housing
1986	Commission on Institution of Higher Education of the New England Association of Schools and Colleges
1986	Search Committee for Acting Dean of the Graduate School
1986-1987	Reviewer of Graduate Research Projects for Funding, University of Lowell
1986	Search Committee/Director of Residence Life
1987	Reviewer of Graduate Theses for Master's Scholar Award, Northeastern Association of Graduate Schools
1987	University Rank and Tenure Committee

1987	Search Committee/Acting Dean of Graduate School
1987	Task Force for AIDS Education
1987	Search Committee/Director of Academic Center for Health Professions
1987	Commission to Study the Freshman
1989	Search Committee/Vice President for University Life
1991	Search Committee/Interim Dean of College of Health Professions
1992	Radiation Safety Committee
1992	Search Committee/Dean of College of Arts and Sciences
1993	University Rank and Tenure Committee
1996	Chancellor's Appointee
1997	Chancellor's Appointee
1994	Search Committee/Dean of College of Health Professions
1996 - present	University Task Force on Enrichment and Instruction and Research
1996-1998	University Task Force on Diversity and Pluralism/Academic Climate
1996-present	Council on Teaching, Learning, and Research as Scholarship
1997	University Task Force on Structural Organization of Administrative Support Services/Working Group #1 Admissions
1999	Advisor, Ph. D. candidate, Plastics Engineering, UML
2000	Search Committee for ALANA Director
1999-2007	Carnegie Foundation Initiative, co-chair
	Activities as co-chair of Carnegie Taskforce included:
	<ul style="list-style-type: none"> • Preparation of Carnegie Technology Survey, 2000 (This survey examined the uses of technology of UML faculty in promoting in depth learning on the UML campus.) • Coordinating UML research in teaching projects and case studies.

- Serving as principle investigator for IRB coverage of teaching research projects.
- Presenting a sampler of critical thinking ideas for the classroom, September, 1999.

**2002-
2003**

New England Association of Schools and Colleges Accreditation Standards Committee (Planning and Evaluation Group)

2004 Task Force for the Freshman Year Experience

2005 Search Committee for Assistant Director of EOO

2006 Review Committee for Explorations in Teaching and Learning

2006 Campus Subcommittee on Academic Technology

2006 Carnegie Focus Group, Carnegie Communications Research Group, President's Office

2007 Mass Collaborative Services, Working Group on Faculty Engagement and Scholarship of Teaching

2008 New England Association of Schools and Colleges Accreditation Standards Committee (Diversity Group)

2010 Strategic Planning, Committee on Fostering an Inclusive Campus Community Mentoring Program

University Presentations

1999 Panelist, Freshman Orientation, June, 1999

1999 Workshop Leader, Carnegie Seminar on Scholarship of Teaching and Learning, August, 1999

1999 Panelist, Orientation Program and Reception for New UML Faculty, September, 1999

1999 A four day summer program on Nutrition Explorations and Discoveries: Food, Fat, Fit, High School Scholar's Program, June, 1999

2000 Presenter, Educator or Entertainer: Finding the Balance, UML Winter Institute, January, 2000

- 2000** Consultant, Preparation of a video of the activities of the High School Student's Summer Health and Fitness Program in conjunction with the College of Education. Video will be used as part of a distance learning initiative, June, 2000
- 2001** Panelist, Who Wants to be a Successful College Student? Freshman Orientation, June, 2001
- 2001** A four day summer program on Nutrition Explorations and Discoveries: Space Explorations, High School Scholar's Program, June, 2001
- 2001** Panelist, Orientation for New Faculty, August, 2001
- 2002** Leader, Promotion and Tenure Process Workshop, Summer Institute, June, 2002, since 1996
- 2003** Encouraging Discussion in Online Courses (with N. Champagne) UML Winter Institute, January, 2003
- 2003** A Weekend for Multicultural Students, Mock Lecture for accepted students, sponsored by the Office of Undergraduate Admissions and the ALANA Student Center. March, 2003
- 2005** The Course Portfolio: Focus on Student Outcomes of an Active Learning Strategy, June 10, 13, 16, 2005
- 2005** The Promotion and Tenure Process, June 20, 22, and 24, 2005
- 2005** Workshop Leader – UML Winter Institute
- 2006** Dealing with Cheating, January, 2006
- 2006** The Promotion and Tenure Process, June 20, 22, and 24, 2006
- 2007** The Promotion and Tenure Process, June 20, 22, and 24, 2007
- 2008** The Promotion and Tenure Process, June 19, 23, and 25, 2008

3. College Activities

- 2010** Student Affairs Committee
- 2007** Strategic Planning, Communication Group
- 1984-2004** Research and Development Committee
- 1984** Ad Hoc Committee for the Dean of Audiovisual Publicity Presentation
- 1983** Secretary, College of Health Professions Meeting

- 1996** Chair, Academic Advisory Committee
- 1982-96** Promotion and Tenure Committee
- 1982,96,02** College Personnel Committee
- 1986-96** Dean and Department Chairpersons Committee (Executive Committee)

- 1985** Search Committee for Assistant Dean
- 1986** Planning Committee for New England Dean's Meeting

- 1985-96** University Open House Seminars
- 1985-86** Freshman Convocation/ Orientation to Medical Technology
- 1986** College Open House for Minority Students
- 1986-96** College Open House for Accepted Students
- 1986** University Minority Recruitment Program
- 1993** Rank and Tenure Committee, Chair
- 1993-2004** Faculty Development Committee, Chair Co-Chair, College of Health Professions
- 1998** Conference, Cutting Edge Issues: Women's Health
- 1995-2004** Division of Continuing Education Coordinator
- 2007** Strategic Planning Communications Group

4. Department Activities

- 1975-96** Member various committees (Academic Affairs, Pre-professional, Space and Resources Development, Graduate Program Development, Committee for the Development of the Medical Technology Non-Clinical Tract, Student Affairs, Admission and Retention, Ad Hoc Safety, Recruitment of New Faculty, Social Activities, Faculty Affairs, Travel Funds, Departmental Review, Professional Review, Personnel)
- 1975** Presented Departmental Workshop of ICARE Evaluation, Faculty Training
- 1975** Arranged Departmental Tour of Instrumental Laboratories, results which led to the free repair of laboratory instruments and opened avenues

	for both student and faculty research
1975	Secretary for Department Faculty Meetings
1975-86	Anatomy and Physiology Laboratory Coordinator
1977,79,81	Proctored Medical Technology Registry Exams
1977-86	Library Representative
1978	Organized CPR Course for Faculty Members
1978	Developed Anatomy and Physiology Laboratory Safety Regulations
1982-present	Coordinator, Continuing Education (currently Continuing Studies, Corporate and Distance Education)
1996-2004	Pre-professional Committee, Chair
1996-present	Graduate Committee
1996-present	Personnel Committee, Chair
1985	Coordinated the National American Society for Microbiology Traveling Education and Training Workshop on "The Update in Laboratory Methods and Fungal Nomenclature in Medical Mycology." Presenter: Ira F. Salkin, New York Department of Health, Division of Laboratories and Research, Infectious Disease Institute, Albany, NY, October, 1985
1986	Coordinated the National American Society for Microbiology Traveling Education and Training Workshop on "Antimicrobial Susceptibility: New Techniques and Their Clinical Relevance." Presenters: Dr. Clyde Thornsberry, Chief, Antimicrobics Investigation Section, Clinical Bacteriology Branch, Bacteriology Division, Center for Disease Control, Atlanta, GA and Dr. Frank G. Witebski, Assistant Chief, Microbiology Service Clinical Pathology, Department, NIH, Bethesda, MD February, 1986
1983-86	Coordinated Teleconference Series in conjunction with St. John's Hospital
1985	Planned and Coordinated Schistosomiasis Workshop, University of Lowell, Lowell, MA, September, 1985
1986	National Laboratory Week Open House
1987	Career Fair, Worcester Medical Center, Worcester, MA, April, 1987
1987	Coordinated Faculty In-Service Workshop on "The Adult Student and Alternative Teaching Styles" May, 1987

1991	Starting My Academic Rewards Today (S.M.A.R.T.) Program Participant, University of Massachusetts Medical Center, Worcester, MA, April, 1991
1993	H. E. A.L.T.H. Careers Program, University of Massachusetts Medical Center, Worcester, MA. October, 1993
2007	Teaching Awards Committee Technology, Engineering and Math-Science (TEAMS) Academy faculty participant with UMass Lowell/High School Academy
2010	Graduate Open Houses and Promotional

4. Interdisciplinary Activities

Invited Lecturer, Biomaterial Course, College of Engineering,	1996-2008
Presentation, Bodies and Bones Workshop, Take All of Our Daughters to College Day, Psychology Department,	1996-2005
Presenter, Workshop on Promotion and Tenure Process, Council on Teaching, Learning, and Research as Scholarship	1996 - present
Coordinator of the Fitness and Nutrition segment of High School Scholar's Program, UML	1998, 1999, 2001
Museum of Science Lecture Series Presentation, Bodies and Bones as part of the Body Worlds 2 Exhibition	2006
"Bodies and Bones – A Forensic Analysis of the Human Skeleton" TEAMS Sophomore Exploration Program, UMass Lowell, March 31, 2008	2008

5. Community Activities

Memberships and Offices Held

Member, American Association of University Women (AAUW)	1975-present
Educational Representative (AAUW)	1977-1978
Legislative Representative (AAUW)	1978-1979
Treasurer (AAUW)	1980-1982

Vice- President of Membership (AAUW)	1982-1984
President (AAUW)	1985-1987
State Vice President for Program (AAUW)	1987-1989
Co-President (AAUW)	1989-1991
Treasurer (AAUW)	1991-1994
Educational Foundation Panelist for International Fellowship Recipients, (National AAUW)	1990-1992
Re-appointment as Educational Foundation Panelist for International Fellowship Recipients (National AAUW)	1992-1994
State Diversity Task Force (AAUW)	1994
State By-Laws Chair (AAUW)	1994-1998
Educational Foundation Board Member (nominee)	1994

Board Positions

Board of Directors, Challenge Unlimited, Horseback riding for the handicapped, Andover, MA,	1989-1994
Board of Directors, Greater Lawrence YWCA, Lawrence, MA	1988

Presentations

Mid-Life Panel "Introduction to Gerontology," University of Lowell, Lowell, MA, September	1984
Black Heritage Conference Workshop, University of Lowell, Lowell, MA, February	1984
A Better Chance, Closing Exercise Speaker, "Career Options for Minorities in Science," Phillips Academy, Andover, MA, April	1985
World of Opportunity for Women, Career Exploration for Teenage Girls, Lawrence Heritage State Park Visitors Center, Lawrence, MA, March	1987
Career Opportunities for Girls in Science, MIT Alumnae: Women Scientists Speakers Group, Haverhill, MA, March	1987
"How Education Short Changes Girls in Science and Math - Some Solutions to the Problem," International Women's Day, Bradford College, March	1992
Career Opportunities for Girls, North Andover Brownie Troop, University of Mass Lowell, Lowell, MA	1993

Conferences Planned and Coordinated

- "Economic Empowerment of Women," Endicott College, Beverly, MA, October **1987**
- "The Opening of the American Mind: Gender, Cultural and Generational Diversity," Fitchburg College, Fitchburg, MA, January **1988**
- "Share the Power - Share the Pride: The Educational Foundation Programs and the Marketing Connection," Hotel Northampton, Northampton, MA, April **1988**
- "Women in Transition Conference," Merrimack College, North Andover, MA, April **1986-89**
- "Money Matters: Towards Self-Sufficiency," Merrimack College, North Andover, MA, January **1989**
- "Shaping the Environmental Future," Eastham, MA, April **1989**

Honors

- Recipient of Tribute to Women in Industry Award for Outstanding Leadership, May **1986**
- Citation from the Massachusetts Senate in recognition of leadership achievement, Patricia McGovern, State Senator, May **1986**
- AAUW Branch Honor Roll Recipient for Education and AAUW, May **1986**
- Leadership Traineeship, American Association for University Women, three-day training session, Washington, DC, January **1988**

Courses

- Designed and taught Concepts of Human Physiology and Diagnostic Measurement to Engineers from R&D Marketing and Manufacturing, Hewlett-Packard, Waltham, MA **1983-1988**

Reviewer

- Candidate for promotion and tenure, SUNY at Buffalo, December **1998**

D. INSTRUCTIONAL RELATED ACTIVITIES

- **Undergraduate Courses Taught**

Human Anatomy and Physiology Lecture I
Human Anatomy and Physiology Lecture II
Human Anatomy and Physiology Laboratory I
Human Anatomy and Physiology Laboratory II
Immunology/Immunohematology
Clinical Immunology
Bodies and Bones

- **Graduate Courses Taught**

Human Development and Pathophysiology
Total Laboratory Management (coordinator)

- **Continuing Studies, Corporate and Distance Education**

Human Anatomy and Physiology Lecture and Laboratory I
Human Anatomy and Physiology Lecture and Laboratory II
Concepts of Human Physiology
Online Human Development and Pathophysiology