

## *CURRICULUM VITAE*

Susan J. Hunter

### **Address**

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### **Education**

1981	Post-doc	Case Western Reserve University, Biology
1980	Ph.D.	The Pennsylvania State University, Physiology
1976	M.S.	The Pennsylvania State University, Phys Educ, Exercise physiology
1973	MT	Duke University Medical Center, Internship in Medical Technology
1972	B.S.	James Madison University, Biology

### **Professional Certifications**

Institute for Educational Management, Graduate School of Education, Harvard University – July 2010  
Leadership Maine – Maine Development Foundation, 2008-2009 Pi Class  
ESCOPE/ACOP USDA Leadership Development Program – Cooperative State Research, Education and Extension Service (CSREES) of the USDA - 1999-2000  
ACE/NIP Maine Academic Management Institute – 1998-1999 and 1999-2000  
American Society of Clinical Pathology – National Registry Examination, September 1973

### **Honors**

Deborah Morton Society – induction 20 September 2016  
Honorary member, All Maine Women, tapped into class of 2017  
Honorary member, University of Maine Class of 1950  
Phi Kappa Phi - 2007  
Muscular Dystrophy Post-doctoral Fellowship - awarded April, 1981 declined for personal reasons

### **Professional Experience**

07/07/2014 - present      President, University of Maine

The President of the University of Maine is not only the spokesperson and face for the University of Maine, but is the Chief Administrative Officer of the campus. The President is responsible for formulating strategic direction and administrative policies and works closely with the Chancellor and the Board of Trustees to implement University of Maine System policies.

#### Academic Year 2014-2015

- Continued implementation of Strategic Plan developed in 2011-2012. Significant focus on Signature and Emerging Programs of Excellence, advancing broader collaboration across the University of Maine System and continued emphasis on community engagement, as evidenced by a reconfirmation of the University of Maine's Carnegie Classification status as a community-engaged institution.

- Execution of the 150<sup>th</sup> Anniversary Celebration – events occurring throughout the year
- Establishment of the Advancement Task Force in fall of 2014 to explore the possibility of aligning the University’s fundraising operation under the University of Maine Foundation. The Task Force consisted of individuals representing all interested parties (campus leadership, BOT, BOV, UMS leadership, University of Maine Foundation, University of Maine Alumni Association) and was chaired by John Simpson. Unanimous decision to move into the new Advancement structure.
- Requested an increase in the management fee (from 0.25% to 1.25%) charged against the University of Maine endowment held by the University of Maine System. This was a crucial element in setting up a funding mechanism to permit growth and expansion of fundraising efforts within the University of Maine Foundation. Resolution was unanimously supported by the Investment Committee of the UMS Board of Trustees and subsequently passed by the full BOT at the 18 May 2015 meeting.
- Transition of Development staff into the University of Maine Foundation:
  - Phase 1 of transition - 1 July 2015 – transfer of Annual Fund, Events, Research and Records

#### Academic Year 2015-2016

- Hire of Vice President for Enrollment Management who developed a multi-faceted approach to enrollment growth.
  - Strategic use of Financial Aid to build out-of-state enrollment
    - Flagship Match – two-tiered merit aid program that provides an award that makes tuition and fees at UMaine match the in-state rate at the flagship campuses in six states (NH, VT, CT, MA, NJ, PA).
  - Strategic use of Financial Aid to build in-state enrollment
    - Maine Matters and Maine Match programs – goal of reducing costs to median income families and retaining high-performing students in Maine.
    - Extensive Marketing and Public Relations – hired an external firm who managed connections to news media. News coverage in the Boston Globe, Hartford Courant etc in the fall/winter. After May1 there was coverage in the Boston Globe, The Chronicle of Higher Education, Portland Press Herald, Bangor Daily News, MPBN
  - Entering class in Fall 2016 was largest in University’s history.
- Major gifts cultivated and received:
  - Harold Alfond Foundation Gift of \$3.9 million to establish the Harold Alfond W<sup>2</sup> Ocean Engineering Laboratory
  - Harold Alfond Foundation gift of \$1 million to establish the Stephen E. King Chair in Literature.
- A mutually satisfactory contract for services and memorandum of understanding, was adopted between the University of Maine and the University of Maine Foundation. This allowed Phase 2 transition of gift officers into the University of Maine Foundation.

09/13/2013 – 07/06/ 2014 Vice Chancellor for Academic Affairs, University of Maine System

The Vice Chancellor for Academic Affairs (VCAA) is the senior academic officer in the University of Maine System, with responsibility for strategic planning and policy development, and for providing leadership, guidance, and coordination of academic activities system-wide. Responsible for academic strategic planning and policy development. Responsible for developing and implementing System strategic academic initiatives and projects as chartered by the Chancellor. Responsible for maintaining strong communication networks across the academic leadership (e.g., the Chancellor and Board of Trustees; the Presidents, the CAOs; and the UMS faculties) and for bolstering UMS academics communication with other System enterprises. Represents the academic enterprise to internal and external constituencies, maintaining a high public profile for UMS Academics across the state and beyond.

- Lead development with campus CAOs of a strategic process for academic portfolio review and integration
  - Outlines roles of CAOs and an oversight committee in large-scale reorganization/integration effort across academic affairs on all campuses
- Significant participation in creation of the Trustee’s Strategic Outcomes that will drive change and organization in the University of Maine System for the next five years

012– 08/13     Executive Vice President for Academic Affairs and Provost  
University of Maine

2009- 2012     Senior Vice President for Academic Affairs and Provost  
University of Maine

2008-2009     Vice President for Academic Affairs and Provost  
University of Maine

Chief academic officer, lead vice president and chief operating officer of the university focused on day-to-day operation of the campus. Provide leadership for all research, outreach and academic programs, undergraduate and graduate; administer the academic budget, lead strategic planning, and coordinate and participate in the development and implementation of academic and research policy. Represent the university on appropriate University of Maine System committees, and work with the other chief academic officers of the System on matters of common concern. Represent University in cultivation and solicitation of major gifts. Represent the President as desired.

- Oversaw successful 10-year accreditation process by New England Association of Schools and Colleges (NEASC)
- Chaired Academic Program Prioritization Working Group - resulted in consensus recommendations for budget reduction and revenue enhancement.
- Oversaw significant changes in Enrollment Management operation including fast-track admission process, developing plan for strategic use of financial aid through differential packaging and the creation of position of Vice President for Enrollment Management
- Oversaw creation of the Center for Undergraduate Research
- Oversaw successful development of an NSF ADVANCE grant which seeks to improve the status of women faculty in STEM and social science disciplines.
- Serving as Chief Academic Officer representative on University of Maine System-wide Task Force on Teaching Through Technology
- Serving as the institutional representative on the University of Maine System OnLine Maine Working Group

2005-2008 Associate Provost and Dean for Undergraduate Education  
University of Maine

Oversight and responsibility for academic programs primarily focused on undergraduates and reporting and budgetary authority for the following offices: Admissions, Student Records, Student Financial Aid, Explorations, Center for Excellence in Teaching and Assessment, and International Programs. Worked closely with Dean of Students on efforts to promote retention and success of students. Chair of the Academic Standing Committee and participated in the Undergraduate Program and Curriculum Committee.

- Co-institutional authority for MELMAC Foundation grant to University of Maine to increase focus on student retention
- Key role in enacting emergency enrollment plan in face of deficits in Shared Processing Center operations – 2007.
- Significant role in preparation activities for the NEASC review. Institution's self study document was drafted in 2007-2008.
- Significant role in creation of shared governance document – one of two administrators on joint faculty/administration committee - consultation by Dr. Thomas Longin lead to creation of shared governance document signed April 2009.
- Significant role in University of Maine System leadership teams for PeopleSoft implementation on seven campuses

2003-2005 Chair, Department of Biological Sciences (renamed School of Biology and Ecology)  
University of Maine

2000-2003 Associate Chair, Department of Biological Sciences  
University of Maine

Associate Chair was responsible for undergraduate program within the department. Majors totaled >300 students. Chair has budgetary authority for the E&G and the Maine Agricultural and Forestry Experiment Station resources of the unit. During time as Associate Chair and Chair, the department added six new faculty members, two of whom were the result of the successful Genomics Initiative funded through the Office of the Vice President for Research.

- Served on College of Natural Sciences, Forestry and Agriculture Genomics Research Initiative – resulted in allocation of five new positions to the College
- Served on the Provost's Commission on the Honors College – outcome was successful conversion of the Honors Program into the Honors College
- Co-chaired the Provost's Commission on Graduate Education – outcome was successful implementation of graduate student health insurance program and increase in graduate stipends
- Co-chaired Ad hoc Committee on Promotion and Tenure – resulted in changes to Provost's Promotion and Tenure Advisory Committee structure and role.

1999-2003 Assistant Director for Life Sciences, College of Natural Sciences, Forestry and Agriculture,  
University of Maine

1997-2005 Coordinator, Clinical Laboratory Sciences Program, Department of Biological Sciences,  
University of Maine

1996 -present Associate Professor, School of Biology and Ecology, University of Maine

- 1996-2002 Visiting Investigator, The Jackson Laboratory, Bar Harbor, ME  
 1996-present Cooperating Associate Professor, Department of Molecular and Biomedical Sciences, University of Maine
- 1991-1996 Assistant Professor, Department of Zoology, University of Maine
- 1986-1991 Cooperating Assistant Professor and Research Assistant Professor, Department of Zoology, University of Maine
- 1982-1991 Research Associate and Senior Research Associate, Department of Molecular and Cell Biology, The Pennsylvania State University, University Park, PA

### **Service**

#### Departmental

- Coordinator, Clinical Laboratory Sciences Program, 1997-2005  
 Chair, Endocrine physiologist search committees - 1996/1997, 1999/2000  
 Departmental Graduate Committee - 1995-1998  
 Departmental Colloquium Organizer - 1992-1995  
 Department Chair Search Committees – 1992/1993, 1995/1996  
 Departmental Policy Advisory Committee - 1991-1999

#### College

- Genomics Research Initiative Committee. Resulted in allocation of five new positions to the College of Natural Sciences, Forestry & Agriculture. Two new faculty positions were added to the Department of Biological Sciences (Plant molecular biologist and a developmental biologist) in 2003/2004.  
 College Executive Committee – 1999-2005  
 Maine Agricultural & Forestry Experiment Station Research Council-1999 – 2003  
 Instructional Advisory Committee - 1993-1996

#### Search Committees

- Biochemistry, Microbiology and Molecular Biology Chair Search Committee – 2003  
 Biochemistry, Microbiology and Molecular Biology faculty search committee - Environmental toxicologist funded from BRIN grant - 2002  
 Animal and Vet Sciences Chair Search Committee- 2002  
 Animal, Vet and Aquatic Sciences Faculty Search Committee -1997

#### University

- Advancement Initiative Council (AIC) – 2009 – faculty and administrator group created to align efforts and collect data necessary for successful proposal for NSF ADVANCE grant  
 Academic Program Prioritization Working Group (APPWG), Chair – 2009/2010  
 Working Group to Develop Alternatives to Teaching Duties – 2008-2009  
 Joint Administration and Faculty Senate Shared Governance Committee – 2007-2008  
 NEASC Accreditation Committee and Executive Committee – 2007-2009  
 Hutchinson Center Advisory Board – 2005-2008  
 Honors College Council – 2005-2008  
 Graduate School of Biomedical Sciences Ad Hoc Committee –2004/2005

Co-Chair, Ad hoc Committee on Promotion & Tenure – 2004/2005  
 Task Force on the Retention of Women Faculty – 2004-2009  
 University Marshal – 2004-2008  
 University of Maine Honorary Degree Committee – 2002-2005  
 Representative from NSFA on Awards Advisory Committee to Executive Vice President and Provost - 2002  
 Provost's ad hoc Committee on Centers and Institutes – 2002  
 Co-Chair, Provost's Commission on Graduate Education – 2001/2002  
 Provost's Commission on an Honor's College – 2000/2001  
 Institutional Animal Care and Use Committee - 1997-2001, chair 2000/2001  
 Health Professions Committee - 1997-2001  
 College of Sciences Instructional Advisory Committee- 1993-1996  
 University Radiation Safety Committee - 1993-1995  
 Standing Subcommittee on Teaching Classrooms and Laboratories - 1993-1997  
 Search Committees -  
     Sr. Associate Dean for Student Affairs - 2006  
     Asst. VP for Human Resources Search Committee – 2006  
     College of Natural Sciences, Forestry and Agriculture Dean Search Committee,– 2005/2006  
     Presidential Search Committee – 2004/2005  
     Sponsored Programs Director Search Committee – 2003/2004  
     Athletic Director Search Committee – 2002/2003  
     Sea Grant Director Search Committee – 2001/2002

#### External

##### *Within Maine*

Maine Development Foundation Board of Directors – 2014 - present  
 Informal Chair of University of Maine System CAO group – asked by Chancellor after elimination of Vice  
     Chancellor for Academic Affairs position within the UMS office – spring 2012 - 2013  
 University of Maine System Credit Transfer Steering Committee – named by Chancellor to address issue of  
     transferability across the UMS and the Community College of Maine System – spring 2012  
 REACH Design Conference – invited to participate in two day conference to advise on program design for  
     the Reach Center. REACH Center funded by a 10 year endowment and will focus on out-of-school  
     STEM activities.  
 University of Maine System Chancellor's designee to the Governor's STEM Council – 2011 - 2014  
 University of Maine System Distance Learning Steering Committee - 2011  
 University of Maine System OnLine Maine Working Group – institutional representative – formed summer  
     2011  
 University of Maine System Teaching Through Technology Task Force — Chief Academic Office  
     representative to group formed spring 2010  
 STEM initiative within UMS – co-chair with University of Maine at Augusta President Allyson Handley,  
     organized STEM Summit held at the University of Maine, April 2010  
 Maine Arts Commission Steering Committee in preparation for a Cultural Strategic Plan - 2014  
 Bangor Symphony Orchestra Board of Directors – 2010-present  
 21<sup>st</sup> Century Advisory Council chaired by Commissioner of Education Susan Gendron - 2008  
 Maine Mathematics and Science Alliance Board of Directors – 2008 - 2014  
 Maine School of Science & Mathematics Board of Directors - 2008- 2012  
 University of Maine System PeopleSoft Implementation Sponsors and Steering Committees – 2005-2008

##### *External to Maine*

NEASC Accreditation review – United States Coast Guard Academy, New London, CT, March 2010

CSREES Review of South Dakota State University Department of Biology and Microbiology, April 2002  
Ad hoc reviewer for Orthopedic Study Section, National Institutes of Health, Bethesda, MD October 1995  
and October 1996

Ad hoc reviewer for Nutrition Study Section, National Institutes of Health, Bethesda, MD November, 1993  
Manuscript reviews for J. Histochem. Cytochem., J. Comp. Biochem. Physiol., J. Cell Biochem., General  
and Comparative Endo.

### **External funding**

#### National Science Foundation

ADVANCE – Institutional Transformation

1008498 - 2010

“A Rising Tide: Advancing Women and Leadership at the University of Maine”

Principal Investigator – Susan Hunter, Academic Affairs, University of Maine

Co-Principal Investigators:

Amy Fried, Department of Political Science, University of Maine

Susan Gardner, College of Education & Human Development, University of Maine

Eleanor Groden, School of Biology and Ecology, University of Maine

Karen Horton, School of Engineering Technology, University of Maine

Total direct costs - \$2,129,600

#### National Science Foundation

NSF GK-12

Graduate Teaching Fellows in K-12 Education at the University of Maine – 2003, renewal

Principal Investigator – Susan Brawley, School of Marine Sciences

Co-Principal Investigators:

Barbara Cole, Department of Chemistry

Susan Hunter, School of Biology and Ecology

Stephen Norton, Department of Earth Sciences

Ruey Yehle, Principal, Hampden Academy

Michael Vayda, Department of Molecular and Biomedical Sciences

Total direct costs - \$1,753,431

The program received the 2005 New England Board of Higher Education Excellence Award for Program Achievement.

#### National Institutes of Health

1R15 AR45555-02 – 1999

The Membrane skeleton of bone cells”

Principal Investigator – Susan Hunter

Total direct costs - \$105,153

#### National Science Foundation

NSF GK-12

Graduate Teaching Fellows in K-12 Education at The University of Maine - 1999

Principal Investigator : Susan Brawley, School of Marine Sciences

Co-Principal Investigators:

Barbara Cole, Department of Chemistry

Susan Hunter, School of Biology and Ecology

Stephen Norton, Department of Earth Sciences

Michael Vayda, Department of Molecular and Biomedical Sciences

Total direct costs - \$1,315,813

National Institutes of Health

1R15 AR42091-01 – 1993

Membrane skeleton of osteoclasts

Principal Investigator – Susan Hunter

Total direct costs - \$107,093.00

National Institutes of Health

1S15 AR43209-01 Small instrumentation grant - 1993

Principal Investigator – Susan Hunter

Total awarded - \$5398

Maine Faculty Enhancement Program

Maine Science and Technology Commission - 1992

Ankyrin in osteoclasts

Principal Investigator – Susan Hunter

Amount \$7500

American Heart Association –

Maine Affiliate

Principal Investigator – Susan Hunter

Undergraduate Summer Research Fellowship

Amount awarded - \$1600

**Invited Talks**

- 1980 Hunter SJ, Schraer H 1980 In vitro keratan sulfate synthesis in medullary bone. Am. Soc. For Cell Biology, Annual meeting, Nov.
- 1984 Medullary bone formation: A model for osteogenesis. National Institute of Dental Research, Bethesda, MD.
- 1988 The cellular basis of bone resorption. Microbiology Department, University of Maine.
- 1989 Osteoclastic bone resorption. Zoology Department, University of Maine.
- 1993 Bone resorption by avian osteoclasts. Department of Poultry Science, The Pennsylvania State University, University Park, PA
- 1997 The cellular basis of bone resorption. The Jackson Laboratory, Bar Harbor, ME.
- 2000 The membrane skeleton of osteoclasts. The University of South Carolina Medical School, Dept. of Cell Biology & Anatomy, Columbia, SC
- 2000 Presentation about Faculty Development to the University of Maine System Board of Trustees
- 2001 Presentation to the Maine State Board of Education about the NSF GK-12 program
- 2001 Panel member, presentation on “Career Paths” to ACE/NIP Maine Academic Management Institute, January 2001



- 2002 Presentation at the induction of Dr. Theodora Kalikow into the Maine Women’s Hall of Fame
- 2004 Northeastern Association of Graduate School, Plenary Session II, “Multi-institutional Partnerships in Graduate Education – Lessons Learned” Presentation about the NSF GK-12 program at the University of Maine, 15 April, 2004
- 2009 Clarke Forum – Dickinson College –Feb. 23, 2009 – Public Service and the Land Grant Mission
- 2011 Presentation as co-nominator of Professor Emerita Katherine Musgrave to Maine Women’s Hall of Fame. Other co-nominator was Karen Baldacci, First Lady of the State of Maine
- 2012 Presentation at The Global Financial Crisis & Future Outlook. Talk entitled, “The Impact of the Financial Crisis on Education Sector” Sponsored by The Emirates Center for Strategic Studies and Research, Abu Dhabi, UAE 26-27 Nov., 2012
- 2012 Presentation and panel discussion at Policy Leaders Academy, Empowering Maine People to Power Maine’s Economy. Title, “Education and Workforce Development Strategies” Sponsored by the Maine Development Foundation, 6 December 2012.
- 2013 New England Board of Higher Education Fall Board Meeting. Panel member to discuss Beyond the Recession: Challenges Facing Higher Education in the Next Five Years, 26/27 September 2013
- 2014 New England Board of Higher Education Annual Meeting. Panel member to discuss Strategies for Student Success: Building Transfer Systems, 7 March 2014
- 2014 New England Board of Higher Education Fall meeting. Panel member to discuss The combined challenges of demographic change and funding decline. 11 September 2014

Since 2005 have made numerous presentations, e.g. Testimony to Legislative Committees, Introductions at named lectureships, Phi Beta Kappa induction ceremony comments, Honors College celebrations, welcoming comments at Open Houses, New Student Orientation, College award and recognition dinners, Special Olympics, University Board of Agriculture, University Retiree and 25-Year Recognition events, Alumni events, 4-H Foundation luncheons, state-wide STEM conferences, Leadership Maine events, Rotary Club, Kiwanis Club, Lions Club, and Bangor Chamber Breakfast.

### **Representative Teaching Activities**

SCS 100 (NFA 117) – First semester orientation to the sciences – 1 cr. Class size ~20.

BIO 100- Basic Biology, 4 credits (Lecture and Laboratory). Team taught. Two sections of ~350 students per semester. Taught multiple times over a 12 year period.

BIO 421- Clinical Laboratory Methods, 4 credits (Lecture and Laboratory). Class size of ~5. Required course for all Clinical Laboratory Science students prior to going into their practicum year in an accredited hospital program.

BIO 480- Cellular Biology, 4 credits (Lecture and Laboratory). Class size 20-30. Part of my regular teaching load for 12 years.

Also taught Introduction to Cell and Molecular Biology and Human Anatomy and Physiology. Additional offerings included variable credit courses involving independent student research, special topics and graduate thesis mentoring.

**Research Interests**

Physiology and cell biology of bone cells

Isolation, purification and culture of osteoclasts and osteoblasts

Ultrastructural and immunocytochemical studies of the cytoskeleton of osteoclasts

Acid production by osteoclasts - effects of hormones and pharmacologic agents

Proteoglycans, glycosaminoglycans and osteonectin in developing bone matrix

Effect of growth factors on skeletal dynamics

**Theses**

M.S. The relationship of total estrogen concentration and menstrual cycle phase to the performance of three reaction time tests. The Pennsylvania State University.

Ph.D. In vitro synthesis of proteoglycans of medullary bone in estrogen-stimulated male quail. The Pennsylvania State University

## **Publications**

### Peer reviewed articles

- Furcinitti PS, Hunter SJ 1978 Electrophoretic heterogeneity of avian femoral medullary cavity cells. In: *Electrophoresis '78*. (N Catsimpoalas, ed), Elsevier/North-Holland, Amsterdam.
- Hunter SJ, Schraer RS, Landers DM, Buskirk ER, Harris DV 1979 The effect of total estrogen concentration and menstrual cycle phase on reaction time performance. *Ergonomics* 22:263-268.
- Hunter SJ, Schraer H 1981 In vitro synthesis of the glycosaminoglycans of estrogen-induced medullary bone. *Arch Biochem Biophys* 210:647-652
- Hunter SJ, Schraer H 1983 In vitro synthesis of the proteoglycans associated with medullary bone in Japanese quail. *Arch Biochem Biophys* 220:272-279.
- Hunter SJ, Schraer H 1985 Nucleoside incorporation as a function hormone levels during the early phases of estrogen-induced genesis of medullary bone in the Japanese quail, *Coturnix coturnix*. *Cell and Tissue Res* 242:565-568.
- Schraer H, Hunter SJ 1985 The development of medullary bone: A model for osteogenesis. *Comp Biochem Physiol* 82A:13-17.
- Hunter SJ, Schraer H, Gay CV 1988 Characterization of isolated osteoclasts: The effects of acetazolamide, calcitonin and parathyroid hormone on acid production. *J Bone and Mineral Res* 3:297-303.
- Hunter SJ, Schraer H, Gay CV 1989 Characterization of the cytoskeleton of isolated chick osteoclasts: Effect of calcitonin. *J Histochem Cytochem* 37:1529-1537.
- Donahue LR, Hunter SJ, Sherblom AP, Rosen CJ 1990 Age-related changes in serum insulin-like growth factor binding proteins in women. *J Clin Endo Metab* 71:575-579.
- Hunter SJ, Rosen CJ, Gay CV 1991 In vitro resorptive activity of isolated chick osteoclasts: Effect of carbonic anhydrase inhibition. *J Bone and Mineral Res* 6:61-66.
- Rosen CJ, Donahue LR, Hunter SJ, Holick M, Kavookjian H, Kirschenbaum A, Mohan S, Baylink DJ 1991 Serum 24/25 kD insulin-like growth factor binding protein is increased in elderly women with fractures. *J Clin Endo Metab* 74:24-28.
- Rosen CJ, Donahue LR, Hunter SJ 1994 Insulin-like growth factors and bone: The osteoporosis connection. *Proc Soc Exptl Biol Med* 206:83-102.
- Rosen CJ, Morrison A, Zhou H, Storm D, Hunter SJ, Musgrave K, Chen T, Wei W, Holick MF 1994 Seasonal bone loss in elderly women from a rural New England community. *Bone and Mineral* 25:83-92.
- Rosen CJ, Morrison A, Zhou H, Storm D, Hunter SJ, Musgrave K, Chen T, Wei W, Holick MF 1994 Seasonal effects of sunlight on bone mass in elderly women. In: *Biological Effects of Light*. Jung EG and Holick MF, eds., Walter de Gruyter, New York, pp. 16-27.

Guillemin G, Hunter SJ, Gay CV 1995 Resorption of natural calcium carbonate by avian osteoclasts in vitro. *Cells and Materials* 5:157-165.

Hunter SJ, Gay CV, Osdoby PA, Peters LL 1998 Spectrin localization in Osteoclasts: Immunocytochemistry, cloning and partial sequencing. *J Cell Biochem* 71: 204-215.

Gwynn B, Ciciotte SL, Hunter SJ, Washburn LL, Smith RS, Andersen SG, Swank RT, Dell'Angelica EC, Bonifacino JS, Eicher EM, Peters LL (2000) Defects in the cappuccino (cno) gene on mouse chromosome 5 and human 4p cause Hermansky-Pudlak syndrome by an AP-3-independent mechanism. *Blood* 96:4227-4235.

#### Invited Chapter

Hunter SJ, Caplan AI 1983 The control of cartilage differentiation. In: *Cartilage*. Vol II (BK Hall, ed), Academic Press, NY.

#### Invited Manuscript

Hunter, SJ, Libby, KJ, Sandweiss, DH 2013 The Global Impact of the 2008 Financial Crisis on Higher Education: A View from Maine. The Emirates Center for Strategic Studies and Research, Abu Dhabi, UAE

#### Reviewed Abstracts

Hunter SJ, Schraer H 1980 In vitro keratan sulfate synthesis in medullary bone. *J Cell Biol* 87:E928a.

Hunter SJ, Schraer H 1984 Rapidity of medullary bone osteogenesis following estrogen treatment. *Calcif Tissue Int* 36:463a.

Hunter SJ, Gay CV, Schraer H 1984 The distribution of actin in cultured osteoclasts in the presence and absence of parathyroid hormone and calcitonin. *J Cell Biol* 99:1576a.

Hunter SJ, Akisaka T, Gay CV, Schraer H 1986 The distribution of cytoskeletal elements in osteoclasts. *J Bone and Mineral Res* 1:70a.

Hunter SJ, Schraer H, Gay CV 1986 The effects of acetazolamide on carbonic anhydrase in isolated osteoclasts as revealed by acridine orange staining. *J Bone and Mineral Res* (Suppl 1):29a

Yamamoto T, Hunter SJ, Gay CV 1987 Effects of PTH on structure and function of isolated chick osteoclasts. First International Conference on New Actions of Parathyroid Hormone, Kobe, Japan, October 27-31.

Hunter SJ, Schraer H, Gay CV 1987 The effects of calcitonin and parathyroid hormone on intracellular acidity in isolated osteoclasts. *J Cell Biol* 105:248a.

Hunter SJ, Gay CV, Kief NL 1988 The effects of duramycin, ouabain and colchicine on intracellular acidity in isolated osteoclasts. *J Bone and Mineral Res* 3(suppl 1):428a.

Hunter SJ, Rosen C, Kavookjian H, Gay CV 1989 Assessment of in vitro resorptive activity of isolated chick osteoclasts. *J Bone and Mineral Res* 4(suppl 1):338a.

- Donahue L, Rosen C, Kavookjian H, Hunter SJ 1989 Serum insulin like growth factor and growth factor binding proteins in age related osteoporosis. *J Bone and Mineral Res* 4(suppl 1):128a.
- Vellinger J, Deuser M, Castonguay M, Kavookjian H, Fermin C, Kerschmann R, Hester S, Hullinger R, Hunter SJ, Holick MF 1989 Effect of weightlessness on bone development and mineralization in chick embryos aboard the space shuttle Discovery. *J Bone and Mineral Res* 4(suppl 1):1167a.
- Rosen CJ, Hunter SJ, Musgrave K, Bing-You R 1990 A three-year study of lumbar bone density and calcium intake in early postmenopausal women without estrogen replacement therapy. *J Bone and Mineral Res* 5(suppl 2):140a.
- Hunter SJ, Peters LL, Higgins A, Wood BG, Rosen CJ 1991 Light microscopic immunocytochemical localization of ankyrin and spectrin in chick osteoclasts. *J Bone Mineral Res* 6(suppl 1):271a.
- Rosen CJ, Hunter SJ, Adler RA 1991 Cyclic etidronate and type II osteoporosis. *J Bone Mineral Res* 6(suppl 1):785a.
- Rosen CJ, Hunter SJ, Morrison T, Zhao H, Chen T, Holick M 1992 Seasonal changes in bone mass and biochemical markers of bone turnover in rural elderly women. *J Bone Mineral Res* 7:329a.
- Rosen CJ, Morrison A, Hunter SJ, Storm D, Holick MF, Chen T 1993 Seasonal bone loss in elderly women is related to vitamin D intake and sunlight exposure. *J Bone Mineral Res* 8:219a.
- Zhou H, Putzi M, Rosen CJ, Hunter SJ 1994 Development of chick osteoclasts from embryonic bone marrow. *J Bone Mineral Res* 9:B49a.
- Rosen CJ, Verreault DV, Steffens C, Chen TC, Hunter SJ, Holick MF, Mohan S, Baylink DJ 1995 Mechanisms responsible for seasonal bone loss in elderly women. *J Bone Mineral Res* 10(suppl 1):T486.
- Rosen CJ, Hunter SJ, Verreault D, Musgrave KO, Smith Porter E, Eslin R, Holick MF, Chen T 1996 A randomized placebo-controlled trial of calcium carbonate vs dairy supplementation in elderly New England women. *J Bone Miner Res* 11(suppl 1):154a.
- Peters LL, Gwynn B, Hunter SJ, Ciciotte SL, Eicher EM 1996 Characterization and chromosomal localization of cappuccino, a new murine platelet storage pool deficiency (SPD) mutation. *Molec Biol Cell* 7(suppl 1):845a
- Rosen CJ, Mohan S, Hunter SJ, Vereault D, Baylink DJ 1997 Seasonal changes in bone density and in serum IGFBP-4 levels are associated with calcium intake and parathyroid hormone (PTH) concentrations in elderly New England women. *J Bone Miner Res* 12(suppl 1):P258
- Hunter SJ, Gay CV, Osdoby PA, Gwynn B, Peters LL 2000 Membrane-bound and cytoplasmic isoforms of ankyrin-1 in chicken osteoclasts. *Mol Biol Cell* 11(suppl 1):2540a.