

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

Colleen Christmas, MD

January 20, 2011

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

University Assistant Professor of Medicine
Division of Geriatric Medicine and Gerontology
Johns Hopkins University School of Medicine

Hospital Faculty, Department of Medicine
Johns Hopkins Bayview Medical Center
4940 Eastern Avenue
Baltimore, MD 21224
July 1999 - present

Medical Director, Bayview Transitional Care Unit
Johns Hopkins Bayview Medical Center
July 1999 – July 2004

Medical Director, Hip Fracture and Geriatric Consultation Service
Johns Hopkins Bayview Medical Center
July 1999 – May 2007

Associate Residency Program Director, Internal Medicine
Johns Hopkins Bayview Medical Center
July 2003-October 2006

Residency Program Director, Internal Medicine
Johns Hopkins Bayview Medical Center
October 2006 - present

Personal Data

Business Address 5505 Hopkins Bayview Circle
Baltimore, MD 21224
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Education and Training

1989	B.S.	Rensselaer Polytechnic Institute Troy, NY Cum Laude
1993	M.D.	University of Connecticut School of Medicine Farmington, CT
1993-1994	Internship	Medical College of Virginia Richmond, VA Internal Medicine
1994-1996	Residency	Medical College of Virginia Richmond, VA Internal Medicine
1996-1999	Fellowship	Johns Hopkins University School of Medicine Johns Hopkins Geriatrics Center Baltimore, MD Geriatric Medicine

Professional Experience

1999-pres.	Faculty	Johns Hopkins University School of Medicine Division of Geriatric Medicine and Gerontology Baltimore, MD
1999-2007	Medical Director	Hip Fracture and Geriatric Consultation Service Johns Hopkins Bayview Medical Center
2003-2006	Associate Program Director	Internal Medicine Residency Training Program Johns Hopkins Bayview Medical Center
2006-pres.	Program Director	Internal Medicine Residency Training Program Johns Hopkins Bayview Medical Center

RESEARCH ACTIVITIES

Peer Reviewed Publications:

1. O'Connor KG, Harman SM, Stevens TE, Jayme JJ, Bellantoni MF, Busby-Whitehead MJ, **Christmas C**, Munzer T, Tobin JD, Roy TA, Cottrell E, St. Clair C, Pabst KM,

- Blackman MR. Interrelationships of spontaneous growth hormone axis activity, body fat, and serum lipids in healthy elderly women and men. *Metabolism* 1999;48(11):1424-1431.
2. Andersen RE, Crespo C, Franckowiak S, **Christmas C**, Walston J. Obesity and reports of no leisure time activity among older Americans: Results from the third national health and nutrition examination survey. *Educational Gerontology*, 2001;27:297-306.
 3. Gusenoff JA, Harman SM, Veldhuis JD, Jayme JJ, St. Clair C, Munzer T, **Christmas C**, O'Connor KG, Stevens TE, Bellantoni MF, Pabst K, Blackman MR. Cortisol and GH secretory dynamics, and their interrelationships, in healthy aged women and men. *Am J Physiol Endocrinol Metab* 2001;280:E616-25.
 4. Munzer T, Harman SM, Hees P, Shapiro E, **Christmas C**, Bellantoni MF, Stevens TE, O'Connor KG, Pabst KM, St. Clair C, Sorkin JD, Blackman MR. Effects of GH and/or sex steroid administration on abdominal subcutaneous and visceral fat in healthy aged women and men. *J Clin Endocrinol Metab*, 2001;86:3604-3610.
 5. **Christmas C**, O'Connor KG, Harman SM, Tobin JD, Munzer T, Bellantoni MF, St. Clair C, Pabst KM, Sorkin JD, Blackman MR. Growth hormone and sex steroid effects on bone metabolism and bone mineral density in healthy aged women and men. *J Gerontol Med Sci*,2002;57A(1):M12-M18.
 6. Zakriya KJ, **Christmas C**, Wenz JF, Franckowiak S, Andersen RE, Sieber FE. Preoperative factors associated with postoperative changes in Confusion Assessment Method (CAM) score in hip fracture patients. *Anesth Analg*, 2002;94(6):1628-1632.
 7. **Christmas C**, Crespo CJ, Franckowiak SC, Bathon JM, Bartlett SJ, Andersen RE. How common is hip pain among older adults? Results from the Third National Health and Nutrition Examination Survey. *J Fam Pract*, 2002;51(4):345-348.
 8. Blackman MR, Sorkin JD, Munzer T, Bellantoni MF, Busby-Whitehead J, Stevens TE, Jayme J, O'Connor KG, **Christmas C**, Tobin JD, Stewart KJ, Cottrell E, St. Clair C, Pabst KM, Harman SM. Growth hormone and sex steroid administration in healthy aged women and men a randomized controlled trial. *JAMA*, 2002;288(18):2282-92.
 9. Khasraghi FA, Lee EJ, **Christmas C**, Wenz JF: The economic impact of medical complications in geriatric patients with hip fractures. *Orthopedics* 26(1):49-53, 2003.
 10. Zakriya K, Sieber FE, **Christmas C**, Wenz JF, Franckowiak S. Brief postoperative delirium in hip fracture patients affects functional outcome at three months. *Anesth Analg*2004;98:1798-1802.
 11. Khasraghi FA, **Christmas C**, Lee EJ, Mears SC, Wenz JF. Effectiveness of a multidisciplinary team approach to hip fracture management. *J Surg Orthop Adv* 2005;14(1):, 27-31.
 12. Moncada LV, Andersen RE, Franckowiack S, **Christmas, C**. The impact of cognitive impairment on short-term outcomes of hip fracture patients. *Arch Gerontol Geriatr* 2005 Oct 26;43(1):42-52.
 13. Gibson BR, Galiatsatos P, Rabiee A, Eaton L, Abu-Hamdah R, **Christmas C**, Milner SM, Andersen DK, Elahi D. Intensive insulin therapy confers a similar survival benefit in the burn intensive care unit to the surgical intensive care unit. *Surgery* 2009 Nov;146:922-930.

Extramural Funding:

Previous Grants:

4/1/00-6/30/01

Fund for Geriatric Nursing and Education

Sponsor: Johns Hopkins School of Nursing

Total Direct Cost = \$ 10, 000

Principal Investigator: Colleen Christmas, M.D.

Role: PI

Percent effort = 15%

Notes: Supported part of salary of research assistant studying one year postoperative outcomes after hip surgery in the elderly. (No salary or other direct support to Dr. Christmas).

5/01/02 –03/19/04

Investigation of Barriers to Adherence with Calcium Therapy in Elderly Patients with Hip Fracture.

Sponsor: CreFF, Johns Hopkins Bayview General Clinical Research Center

Total direct cost = \$20,000

Principal Investigator: Pam Ouyang, M.D.

Role: Co-Investigator: Colleen Christmas, M.D.

Percent effort =25%

Notes: No salary for Co-Investigator

5/15/03-5/14/05

Weight Loss in Frail Elderly in Nursing Homes: Policy, Enforcement, and Science.

Sponsor: The Borchard Foundation Center on Law and Aging

Total direct cost = \$15,000

Principle Investigator: Thomas E. Finucane, M.D.

Role: Co-Investigators: Colleen Christmas, M.D. and Bruce Leff, M.D.

Percent effort = 2.2%

Notes: Supported 2.2% of salary and fringe for Dr. Christmas

EDUCATIONAL ACTIVITIES

Educational Publications

Peer Reviewed Publications

1. Finucane TE, **Christmas C**, Travis K. Tube feeding patients with advanced dementia: a review of the evidence. JAMA 1999;282(14):1365-1370.
2. **Christmas C**, Andersen RE. Exercise and older adults: guidelines for clinicians. J Amer Geriatr Soc, 2000;48(3):313-324.
3. **Christmas C**. Fitness for reducing osteoporosis. Phys Sportsmed, 2000;28(10): 33-34.
4. Leff B, **Christmas C**, Steel K. Perioperative evaluation and care of older gynecology patients. Prim Care Update Ob/Gyns 2003;10(5):247-52.
5. **Christmas C**. Medical care of the hip fracture patient. Clin Geriatr 2006;14(4):40-46.

6. **Christmas C**, Makary MA, Burton JR. Medical considerations in older surgical patients. *J Am Coll Surg*. 2006;203(5):746-51.
7. Park EM, **Christmas C**, Schmaltz H, Durso SC. The perceived change of diverse clinician-educators through an intensive course on teaching geriatrics. *Int J Self Directed Learning* 2006;3(1):36-51.
8. Finucane TE, **Christmas C**, Leff BA. Tube feeding in dementia: How incentives undermine health care quality and patient safety. *J Am Med Dir Assoc*. 2007 May;8(4):205-8.
9. Chang JC, Finucane TE, **Christmas C**, Vaughan W, Schwartz J, Leff B. Nutrition and involuntary weight loss: A pilot study of an education intervention for nursing home surveyors. *J Am Med Dir Assoc* 2007 Feb;8(2):110-4
10. Park E, **Christmas C**, Durso SC, Geriatric Learning Questionnaire for Clinician-Educators (G-CEL-Q). *MedEdPORTAL*; 2007. Available from: <http://services.aamc.org/jsp/mededportal/retrieveSubmissionDetailById.do?subId=595>
11. **Christmas C**, Park EM, Schmaltz H, Gozu A, Durso SC. A model intensive course in geriatric teaching for non-geriatrician educators. *J Gen Intern Med*. 2008;23(7):1048-52.
12. **Christmas C**, Kravet SJ, Durso SC, Wright SM. Clinical excellence in academia: Perspectives from masterful academic clinicians. *Mayo Clin Proc* 2008;83(9):989-94.
13. Boulton C, **Christmas C**, Durso SC, Leff B, Boulton LB, Fried LP. Perspective: transforming chronic care for older persons. *Acad Med* 2008;83(7):627-31.
14. Hayashi JL, **Christmas C**. Housecalls and the ACGME competencies. *Teach Learn Med*. 2009;21(2):140-7.
15. **Christmas C**, Ziegelstein RC. The seventh competency. *Teach Learn Med*. 2009;21(2):159-162.
16. Ratanawongsa N, Rand CS, Magill CF, Hayashi J, Brandt L, **Christmas C**, Record JD, Howell EE, Federowicz MA, Hellmann DB, Ziegelstein RC. Teaching residents to know their patients as individuals. The Alike Initiative at Johns Hopkins Bayview Medical Center. *Pharos Alpha Omega Alpha Honor Med Soc*. 2009; 72:4-11.
17. Durso SC, **Christmas C**, Kravet SJ, Parsons G, Wright SM. Implications of academic medicine's failure to recognize clinical excellence. *Clin Med Res* 2009 Dec;7(4):127-33.
18. Wright SW, Kravet S, **Christmas C**, Durso SC: Creating an Academy of Clinical Excellence at Johns Hopkins Bayview Medical Center: A 3-Year Experience. *Acad Med* 2010;85(12):1833-1839.
19. **Christmas C**, Durso SC, Kravet SJ, Wright SM. Advantages and challenges of working as a clinician in an academic department of medicine: academic clinicians' perspectives. *J Grad Med Educ* *in press*
20. Chow GV, Hayashi JL, Hirsch GA, **Christmas C**. Rallying the troops: A four-step guide to preparing a residency program for short-term weather emergencies. *Teach Learn Med* *in press*
21. **Christmas C**. Famous last words. *Annals Int Med*, *in press*
22. Hayashi JL, **Christmas C**, Durso SC. Educational outcomes from a novel house call curriculum for internal medicine residents: Report of a three-year experience. *J Am Geriatr Soc* 2011, *in press*
23. Record J, Rand C, **Christmas C**, Hanyok L, Federowicz M, Bilderback A, Patel A, Khajuria S, Hellmann DB, Ziegelstein RC. Reducing Heart Failure Readmissions by teaching patient-centered care to internal medicine residents. *Arch Int Med*, *in press*

24. Cheng MJ, **Christmas C**. Special considerations with the use of IVIg in older persons. *Drugs Aging*, *provisionally accepted in press*

Editorials:

1. Finucane TE, **Christmas C**. More caution about tube feeding (Editorial). *J Amer Geriatr Soc*, 2000;48(9):1167-8.
2. **Christmas C**, Ziegelstein RC. Systems survivor: voting unsafe practices off the island. *Teach Learn Med*. 2007 Spring; 19(2):200-1.

Letters:

1. Finucane TE, **Christmas C**. In Re: Tube feeding patients with advanced dementia. *JAMA* 1999;283(12):1563-4.
2. DeJonge KE, **Christmas C**, Andersen RE, Franckowiak S, Mears S, Levy P, Wenz JF, Seiber FE. Hip fracture service: An interdisciplinary model of care. *J Amer Geriatr Soc*, 2001;49(12):1737-8.
3. Finucane TE, **Christmas C**. In Re: More caution about tube feeding. *J Amer Geriatr Soc* 2001;49(8):1128.
4. Finucane TE, **Christmas C**. In RE: Aspiration Pneumonia. *N Engl J Med*, 2001;344(24):1869.
5. Finucane T, **Christmas C**. Artificially giving nutrition and fluids is not one action. *BMJ* 2003; 326:713.
6. **Christmas C**, Moncada L. Interpretation of therapies for knee arthritis. *Arch Intern Med*, 2003; 163:1862.
7. **Christmas C**, Finucane TE. Enthusiasm lacks data for megestrol acetate. *J Am Geriatr Soc* 2006;54:548-9.

Book Chapters:

1. Blackman MR, **Christmas C**, Munzer T, O'Connor KG, Stevens T, Bellantoni MF, Pabst K, St. Clair C, Carter HB, Metter EJ, Harman SM. Influence of testosterone on the GH-IGF-I axis in healthy elderly men. In Sex-Steroid Interactions with Growth Hormone. JD Veldhuis and A Giustina (eds.), Springer-Verlag, New York, NY 1999, 5-53.
2. **Christmas C**. Eating and swallowing problems. In: Geriatric Review Syllabus: A Core Curriculum in Geriatric Medicine. 5th ed. Cobbs EL, Duthie EH, Murphy JB (eds), Blackwell Publishing for the American Geriatrics Society, Malden, MA 2002, 199-202. Slide set.
3. **Christmas C**, Finucane TE. Tube feeding in patients with end stage dementia. In: Research and Practice in Alzheimer's Disease, Vol 6. B Vellas, LJ Fitten, B Winblad, H Feldman, M Grundman, E Giacobini and A Kurz. (eds) Serdi Publisher (Paris) and Springer Publishing Company (New York), 2002, 147-151.

4. **Christmas C**, Finucane TE. Artificial nutrition and hydration. In: Geriatric Palliative Care. RS Morrison and DE Meier (eds), Oxford University Press, New York, NY, 2003, 36-45.
5. **Christmas C**, Spellbring AM. Chapter 6: Falls. In: Geriatric Education for Emergency Medical Services. Snyder DR, **Christmas C** (eds). Jones and Bartlett Publishers, Sudbury, MA 2003,102-113.
6. **Christmas C**. Chapter 25: Eating and swallowing problems. In: Geriatric Review Syllabus: A Core Curriculum in Geriatric Medicine. 6th ed. Pompei P (ed), Blackwell Publishing for the American Geriatrics Society, Malden, MA 2006, 181-184.
7. **Christmas C**, Pompei P. Chapter 14: Perioperative Care. In: Geriatric Review Syllabus: A Core Curriculum in Geriatric Medicine. 6th ed. Pompei P (ed), Blackwell Publishing for the American Geriatrics Society, Malden, MA 2006, 99-107.
8. **Christmas C**, Finucane TE. Geriatric medicine: Special considerations. In: Principles of Ambulatory Medicine. 7th ed. Fiebach NH, Kern DE, Thomas PA, Ziegelstein RC (eds), Lippincott Williams and Wilkins Publishers, Philadelphia, PA 2007, 177-191.
9. **Christmas C**. Geriatric medicine. In: Oxford Handbook of Clinical Medicine. Flynn J (ed). Oxford University Press, New York 2007, 592-605.
10. **Christmas C**. Chapter 62, Selected topics in geriatric medicine. In: Johns Hopkins Board Review Book. Miller RG, Ashar BH, Sisson SD(eds). Mosby Elsevier, Philadelphia, PA 2007, 563-569.
11. Makary M, **Christmas C**, Burton JR. Surgery in geriatric patients. In: Current Surgical Therapy, 9th Edition. Cameron JL (ed), Elsevier, Philadelphia, PA 2007, 1144-1147.
12. **Christmas C**, Ziegelstein RC, Fleisher LA. Perioperative cardiovascular evaluation and treatment of elderly patients undergoing noncardiac surgery. In: Tresch DD, Aronow WS, eds. Cardiovascular Disease in the Elderly Patient. 4th Ed. New York, NY:Marcel Dekker; 2008.
13. Miller RR, **Christmas C**, Magaziner J. Chapter 118: Hip fracture. In: Hazard's Textbook of Geriatric Medicine, 6th Edition. Halter JB, Ouslander JG, Tinetti ME, Studenski S, High KP, Asthana S (eds). McGraw Hill Medical, New York, NY 2009, 1435-1444.
14. **Christmas C**. Chapter 31: Preoperative evaluation of the older surgical patient. In: Oxford Handbook of Geriatric Medicine, Durso SC (ed), Oxford Press, New York, NY 2010, 737-745.
15. **Christmas C**, Pacala J. Perioperative care. In: Geriatrics Review Syllabus: A Core Curriculum in Geriatric Medicine, 7th ed. Pacala JT, Sullivan GM(eds). American Geriatrics Society; New York, NY: 2010, 103-114.
16. **Christmas C**. Eating and feeding problems. In: Geriatrics Review Syllabus: A Core Curriculum in Geriatric Medicine, 7th ed. Pacala JT, Sullivan GM (eds). American Geriatrics Society; New York, NY: 2010, 227-231.
17. **Christmas C**. Selected topics in geriatric medicine. In: Johns Hopkins Internal Medicine Board Review 2010-2011, 3rd ed. Miller RG, Ashar BH, Sisson SD (eds). Mosby; Philadelphia, 501-507.
18. Sinha S, **Christmas C**. Chapter 11: The demography of aging and disability. In: Principles and Practice of Geriatric Surgery. Rosenthal RA (ed). Springer Publisher, New York, NY 2010, *in press*.

Books:

1. Geriatric Education for Emergency Medical Services. Snyder DR, **Christmas C** (eds). Jones and Bartlett Publishers, Sudbury, MA 2003.

Other media:

1. Christmas C. Hip Fracture. In: Physician Information and Education Resource (PIER) web based resource, American College of Physicians, Philadelphia, PA, April 2002, updated quarterly through present.
2. Gonzalgo S, Ejadi S, Christmas C. A coughing kickboxer with hand and leg pain. Johns Hopkins University Rheumatology Web Site 2001; www.hopkins-arthritis.org
3. Slide sets
Christmas C. Chapter 25: Eating and Swallowing Problems. In: Geriatric Review Syllabus: A Core Curriculum in Geriatric Medicine. 6th ed. Pompei P (ed), Blackwell Publishing for the American Geriatrics Society, Malden, MA 2006, 181-184.
Christmas C, Pompei P. Chapter 14: Perioperative Care. In: Geriatric Review Syllabus: A Core Curriculum in Geriatric Medicine. 6th ed. Pompei P (ed), Blackwell Publishing for the American Geriatrics Society, Malden, MA 2006, 99-107.

Non-peer Reviewed Articles:

1. Christmas C, Andersen RE. Exercise and older Americans – time to get moving! Weight Control Digest, 1999;9(4):827, 833-835.

Teaching:**Classroom Instruction**

2000-present	Lectures for Evidence Based Medicine Course for Bayview Housestaff, 1 hour lecture for 4-5 internal medicine residents 4 times over the course of 4 months each year (20 residents total)
2000-2007	Medical Consultation lecture series for Bayview Housestaff, 1 hour lecture with discussion annually, about 40 residents and medical students on their Bayview medicine clerkship
2000-present	Geriatrics CASE Core Lectures for Hopkins Hospital Housestaff, 1 hour lecture with 4-6 Osler residents each session, 2 sessions annually
2000-present	Acute Medicine Core Lecture series for Bayview Housestaff, 1 hour lecture each July, about 40 residents and medical students on their Bayview medicine clerkship
2004-2005	ACT curriculum faculty instructor for Bayview Housestaff, series of 2 lectures for 3 residents each of two years; also provided

mentorship for design of quality improvement studies conducted by residents

- 2004-2007 Geriatrics lecture series for Hopkins Oncology fellows, 1 hour lecture annually for about 15 oncology fellows and residents on the oncology rotation at Johns Hopkins Hospital
- 2004- 2008 Lecture for Pathophysiology Course, 2nd year medical students, 1 hour lecture
- 2004- present Professionalism Lecture series for Bayview Medicine Housestaff, series of 4 lectures discussing a variety of challenges to professionalism to Bayview medicine residents and medical students on their Bayview medicine clerkship, each lecture for 1 hour and each set of 4 lectures repeated annually to about 40 learners per lecture
- 2004- 2009 Gerontology lectures for nursing and nurse practitioner students, 1 hour lecture annually for 20 nursing students at the School of Nursing
- 2005-present Discussant for weekly morning report for Bayview Housestaff, 45 minute case-based discussion for Bayview medicine residents and medical students on their Bayview medicine clerkship, once a week, 40 weeks per year
- 2005- 2007 Discussant for monthly geriatric ambulatory morning report for Bayview Housestaff, 1 hour each month for 10 months of the year
- 2007-present Lecture for Physical Diagnosis Course for Bayview Housestaff , 30 minute discussion combined with one hour bedside examination session with 4-5 interns per session, 4 sessions annually
- 2007-present Lecture for Physicians in Society Course for 2nd year medical students, 1 hour lecture and patient discussion annually
- 2009-present Small group facilitator for “Discussing Life-Sustaining Treatments”; TRIPLE course for 4th year medical students, 2 hour role-play and debriefing session utilizing a standardized patient actor and 4-5 medical students per faculty member annually

Clinical Instruction (all Clinical Instruction at the Johns Hopkins Bayview Medical Center campus)

- 1999-2005 Attending physician supervising geriatric fellows on the Hip Fracture and Geriatric Consultation Service, 4-9 months per year, approximately one hour daily 5 days per week

1999-present	Attending physician on medical wards teaching Bayview Housestaff and medical students , 2 months annually 1999-2004 then 1 month annually 2005-present
2000-2003	Clinical skills instructor for first year medical students, 4 hours a week for 10 weeks with one medical student per year
2005- present	Faculty preceptor for “Pepper Rounds”, 30 minutes per week, 40 weeks per year with 2-3 medicine residents working on the night float service reviewing cases admitted the night before
2006-present	Clinical instruction to Sinai Hospital residents in geriatrics primary care clinic weekly, 4 hours a week, 35 weeks a year, 1 resident each week
2007- present	Supervision of geriatric medicine fellows in primary care clinic, approximately 5 4-hour sessions with 2 fellows per session annually
2007-present	Supervision of Bayview Housestaff in Medical Housestaff Practice, 4-8 residents per session with another preceptor, 5 hours per session, approximately 5 sessions annually
2007- present	Supervision of geriatric medicine fellows and Bayview medicine residents making home visits as part of the Elder Housecall Program, approximately 8 one hour housecalls annually

CME instruction

2000 – current	Johns Hopkins Annual Geriatrics CME Course Co-Director (except 2011) Lecturer for 1-2 one hour lectures and 1-2 meet the professor session annually. 150-200 attendees from across the country annually.
2003- 2008	Johns Hopkins Tumulty Topics in Ambulatory Care Medicine CME course Lecturer, 1 hour lecture annually
2003	Pri-Med, Washington D. C., 1 hour lecture
2004-2005	Johns Hopkins Hospital Division of Adult Trauma CME course Lecturer, 1 hour lecture annually
2004-2008, 2010	Johns Hopkins Internal Medicine Board Review Course Lecturer, 1 hour lecture annually
2005-present	Donald W. Reynolds Mini-Fellowship in Teaching Geriatrics Faculty Development Course

Course co-developer and Director
Lecturer, 3-5 45 minute lectures and small group facilitator for 3 45 minute small group sessions annually. 12-22 faculty from across the country annually attend.

Workshops/seminars

1. Tube feeding and malnutrition (symposium). Annual Meeting of the American Geriatrics Society, Chicago, IL, May 12, 2001.
2. Nutritional interventions in long-term care (workshop). Annual Meeting of the American Geriatrics Society, Washington, D.C., May 9, 2002.
3. Geriatric weight loss: Distinguishing disease, senescence, and neglect (symposium). American College of Physicians Annual Meeting, New Orleans, LA, April 8, 2004.
4. Teaching PBLI and SBP Using the Metaphors of 'The Mirror' and 'The Village' (workshop); ACGME Annual Meeting, Kissimee, FL, March 4, 2006.
5. Teaching PBLI and SBP in Residency Training (workshop), Mary Bassett Hospital, Cooperstown, NY, July 14, 2006.
6. Curriculum Development (workshop), Donald W. Reynolds Mini-Fellowship in Teaching Geriatrics, Baltimore, MD May 2006; September 2006, 2007, 2008, 2009, and 2010.
7. Diversity and Inclusiveness in Residency Training (workshop). Annual Meeting Association of Program Directors in Internal Medicine, San Antonio, TX, October 15, 2010.
8. Transitioning to Internship: A Teachable Moment (workshop). Annual Reynolds Geriatrics Education Meeting, St. Louis, MO, October 26, 2010.

Mentoring (pre- and post-doctoral)

- 2001-2003 Lainie V. Moncada, M.D.- Served as research mentor for geriatric fellow. Under Dr. Christmas's guidance she received Best Poster Award during the Presidential Poster Session at the Annual Meeting of the American Geriatrics Society Meeting in Washington, D.C. 2002 and presented a second poster at the Presidential Poster Session at the Annual Meeting of the American Geriatrics Society meeting in Baltimore, MD in May 2003. As a result, she published a manuscript based on her clinical research project (Arch Gerontol Geriatr 2005 Oct 26;43(1):42-52.) Currently Dr. Moncada is a faculty member, Section of Geriatrics, Department of Family Medicine, Louisiana State University, Lafayette, LA leading a geriatrics fellowship training program.
- 2006- pres. Jennifer Hayashi, M.D. – Served as education mentor for junior faculty. Dr. Christmas guided Dr. Hayashi in developing a new geriatrics rotation for residents from Sinai hospital, which has been very highly regarded and the results of which Dr. Hayashi has presented at the Annual Meeting of the American Geriatrics Society. Drs. Christmas and Hayashi coauthored a paper regarding housecalls and ACGME core competencies for residents (Teach Learn Med. 2009;21(2)1-7.) and Dr. Christmas, along with Dr. Durso, serves as a co-mentor on her Geriatrics

Academic Career Award. Currently, Dr. Hayashi is an Assistant Professor, Division of Geriatric Medicine and Gerontology, Johns Hopkins University, and Associate Program Director Johns Hopkins Bayview Internal Medicine Residency Training Program.

2007-2009 Lynsey Brandt, M.D. Served as education mentor for fellow in geriatric medical education. Dr. Christmas advised Dr. Brandt in her creation of a curriculum to teach optimal prescribing to medicine residents, which is currently implemented and under study and was presented as an abstract and workshop presentation at the Annual Meeting of the American Geriatrics Society in 2008 and 2009. Dr. Christmas continues to mentor Dr. Brandt in publishing the outcomes from her curriculum and together they have 2 manuscripts in process. Currently, Dr. Brandt is an Assistant Professor, Division of Geriatric Medicine, University of Pennsylvania, PA.

2009-present Samir Sinha, M.D. Currently education co-mentor for fellow in geriatric medical education. Dr. Christmas has mentored Dr. Sinha in writing a book chapter on the demographics of aging for a surgical textbook (Sinha S, **Christmas C**. The demography of aging and disability. In: Geriatric Surgery. Rosenthal RA (ed). Springer Publisher, *in press*) and continues to meet with and advise Dr. Sinha regularly. Currently, Dr. Sinha is a geriatrics fellow at Johns Hopkins University.

2003- present Serves as mentor to residents of Johns Hopkins Bayview Internal Medicine Residency Training Program.

2009-present Robert Bruce Gibson, MD. Geriatric medicine advisor for research study and career development in geriatric surgery. Dr. Christmas has helped provide guidance to Dr. Gibson in his research on glycemic control in the elderly in intensive care units (Gibson BR, Galiatsatos P, Rabiee A, Eaton L, Abu-Hamdah R, **Christmas C**, Milner SM, Andersen DK, Elahi D. Intensive insulin therapy confers a similar survival benefit in the burn intensive care unit to the surgical intensive care unit. *Surgery* 2009 Nov;146:922-930.) Dr. Gibson has garnered a Jahnigan Career Development Award to support his work and Dr. Christmas is his geriatrics mentor on that award. Dr. Gibson is currently a surgery resident at Johns Hopkins Hospital.

Educational Program Building/Leadership

1999- 2007 Developed monthly lecture series for Hip Fracture Service multidisciplinary conferences. Helped develop and implement this clinical service then directed and studied it.

2000- present Co-director of Johns Hopkins Annual Geriatrics CME course

2003-2006 Associate Program Director, Johns Hopkins Bayview Medical Center Internal Medicine Residency Program

- 2005- present Developed curriculum for and directs Donald W. Reynolds Mini-Fellowship in Teaching Geriatrics for Faculty
- 2006- present Co-developed and co-direct a month-long rotation in Geriatrics for Johns Hopkins Sinai Hospital PGY 2 and PGY 3 residents
- 2006-present Residency Program Director, Johns Hopkins Bayview Medical Center Internal Medicine Residency Training Program. Developed and implemented new curricula in professionalism (with Dr. Roy Ziegelstein), physical diagnosis in the elderly with tremors, communication with elderly patients and their families, communication in an interdisciplinary team, communication at the time of transition, and improving the prescribing habits of residents in training. Participating in the development and implementation of a novel ward rotation to enhance the primacy of the patients and better teach care across the transitions (the Alike Initiative, published in *Pharos* 2009;72:5-11).

Educational Extramural Funding

Current

09/01/10- 09/01/11 Picker Challenge Grant

Sponsor: Picker Foundation

Total direct cost: \$20 000

Principle Investigator: Roy C. Ziegelstein, MD

Role: Co-investigator

Supports program implementation to incorporate the patient's perspectives into the discharge process

1/01/11- 1/01/16, Gold Foundation Grant (FI 10-015)

Sponsor: Arnold P. Gold Foundation

Total direct cost: \$9000

Co-Principle Investigators: Scott Wright, MD and Colleen Christmas, MD

Role: Implementation of program to assist residents in creating "residency oaths"

Supports program implementations (No salary or direct support for investigators)

Percent effort: 1%

Previous

1/1/00-12/31/02, Strengthening Training in Geriatrics for Physicians

Sponsor: John A. Hartford Foundation Center of Excellence

Total direct cost = \$900, 000

Principal Investigator: John R. Burton, M.D.

Role: Co-investigator

Percent effort = 20%

Notes: Supported 20% of salary and fringe for Dr. Christmas

7/1/03-9/01/06, Geriatric Academic Career Award

Sponsor : NIH
Total direct cost = \$275,000
Principal Investigator: Colleen Christmas, MD
Role: PI
Supported 30% of salary and fringe for Dr. Christmas
Percent effort = 75%
Note: Career Development Award

3/2006 – 3/2009, Miller-Coulson Academy of Clinical Excellence
Total direct cost=\$1,000,000
Principle Investigator: David B. Hellmann, MD
Role: Co-investigator in the definition, measurement and rewards for clinical excellence in academia
Supports 10% salary and fringe for Dr. Christmas for 3 years (2006-2009)
Percent effort: 10%

09/01/04-08/30/10, Donald W. Reynolds Consortium for Faculty Development to Advance Geriatric Education
Sponsor: Donald W. Reynolds Foundation
Total direct cost= \$3,000,000
Principle Investigator: Samuel C. Durso, M.D.
Role: Director of Mini-Fellowship Program
Supports 20% in years 1 and 2, then 15% thereafter of salary and fringe for Dr. Christmas for 6 years
Percent effort= 20%

CLINICAL ACTIVITIES

Certification

- Medical, other state/government licensure
 - December 1994 – August 1996 Medical License Virginia
 - October 1996 – Present Medical License Maryland #D0051185
- Boards, other specialty certification
 - October 1996 Board Certified, Internal Medicine (ABIM)
 - December 2006 Recertified ABIM
 - 1998 Certificate of Added Qualifications in Geriatric Medicine
 - 2008 Recertified ABIM-CAQ in Geriatrics
 - 1993-present Advanced Cardiac Life Support Certified

Clinical Program Building/Leadership

1999-2007 Developed and directed the Hip Fracture Service, a multidisciplinary co-management model of care for hospitalized elderly with hip fractures

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES: none

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments:

July 1, 1999 – July 1, 2004	Medical Director	Bayview Transitional Care Unit Johns Hopkins Bayview Medical Center
July 1, 1999 – May 2007	Medical Director	Hip Fracture and Geriatric Consultation Service Johns Hopkins Bayview Medical Center
Fall 2000 – Present	Subcommittee chair	Intern Selection Committee Johns Hopkins Bayview Medical Center
Fall 2001 – Fall 2006	Member	Clinical Practice Committee Johns Hopkins Bayview Medical Center
July 2003 –October 2006	Associate Residency Program Director	Internal Medicine Johns Hopkins Bayview Medical Center
July 2003- September 2006	Associate Director	Johns Hopkins Geriatric Education Center Johns Hopkins Bayview Medical Center
April 2004-present	Member	Diversity Council Johns Hopkins University
May 2004-present	Member	Grand Rounds Committee Johns Hopkins Bayview Medical Center
July 2004-present	Member	Geriatrics Education Committee Johns Hopkins University
January 2005- Sept. 2006	Member	Editorial Board Johns Hopkins Geriatric Education Center Website

October 2006-present	Residency Program Director	Internal Medicine Johns Hopkins Bayview Medical Center
July 2006-June 2009	Co-developer	Miller-Coulson Academy of Clinical Excellence
July 2007-present	Division Leader For Residency Recruitment into Geriatrics	Division of Geriatric Medicine
June 2009-present	Faculty Advisor	AGS Resident Geriatrics Interest Group, only one of 4 such groups recognized in the country currently Johns Hopkins Bayview Medical Center

Editorial Activities

05/02-present Chapter editor for Physician Information and Education Resource (PIER) web based resource, American College of Physicians, Philadelphia, PA

05/03- present Editor for Geriatric Review Syllabus, 6th and 7th editions.

02/04- 01/08 Editor for *Aging in the Know*

02/04- 02/09 CME co-editor for *Clinical Geriatrics*

02/09-present *Clinical Geriatrics* Advisory Board Member

Journal peer review: *Journal of the American Geriatrics Society*, *Journal of Gerontology*, *Journal of Bone and Mineral Research*, *AAMC MedEdPortal*, *American Journal of Medicine*, *Journal of Graduate Medical Education*, *Annals of Internal Medicine*.

Professional Societies:

Member, American College of Physicians

Member, American Geriatrics Society

Member, Association of Program Directors in Internal Medicine

Member of Geriatric Emergency Medical Advisory Committee for Maryland Institute for Emergency Medical Services Systems (MIEMSS) 2003-2006

Recognition

Awards/Honors:

1995, 1996	Resident of the year	Medical College of Virginia
1998-1999	John A. Hartford Geriatric Medicine Fellow at Johns Hopkins University	Johns Hopkins University
2006-2009	Miller-Coulson Scholar	Center for Innovative Medicine
2007-current	Aliko Scholar	Designated teaching attending on the Aliko Service, Johns Hopkins Bayview Medical Center
2011	Finalist, Healthcare Hero	<i>Daily Record</i>

Invited Lectures

1. Testosterone therapy for the male andropause. American Academy of Anti-Aging Medicine Annual Meeting, Las Vegas, NV, December 13, 1997
2. DNR Orders, Artificial Nutrition and Hydration, and Palliative Care in the Elderly: Medical Issues. National College of Probate Judges 2000 Spring Conference, Baltimore, MD, April 1, 2000.
3. Perioperative care of patients with hip fracture. Core Topics in Geriatrics series, Annual Meeting of the American Geriatrics Society, Memphis, TN, May 18, 2000.
4. Tube feeding in patients with severe dementia: a review of the evidence. Pennsylvania Medical Directors Association Annual Meeting, Hidden Valley, PA October 6, 2000.
5. Dr. Mario Paredes Espinoza Lecture: Bone fractures in the elderly. Seventh Annual International Symposium of Geriatrics and Gerontology, Guadalajara, Mexico, March 27, 2001.
6. Osteoporosis. Seventh Annual International Symposium of Geriatrics and Gerontology, Guadalajara, Mexico, March 27, 2001.
7. Geriatrics for the EMS provider. Statewide Conference for EMS Providers, EMS Care 2002, Baltimore, MD, May 4, 2002.
8. Altered Mental Status for the EMS provider. EMS Care, Baltimore, MD, May 2003.
9. Falls and Fractures. PriMed, Washington D.C., October 2003.
10. The hip fracture model of care. Orthopedics Grand Rounds, Medical College of Virginia, Richmond, VA, November 14, 2003.
11. Weight loss and nutrition. Issues in Aging Conference. New Orleans, LA, July 17, 2005.
12. Treatment of Malnutrition: Challenges to the paradigm. Medicine Grand Rounds. Crozer-Chester Medical Center, Upland PA (affiliate of Temple Hospital), October 27, 2006.
13. Post-acute Care for the Elderly. National Taiwan University Hospital International Symposium on Aging, Taipei, Taiwan, July 25-27, 2007.

14. Perioperative multidisciplinary care for an Aging Population. All India Institute of Medicine and Science Symposium on Aging, New Delhi, India, February 26-28, 2009 (unable to attend due to scheduling conflict)
15. Nutrition in Nursing Home Residents. Alpha Physicians' 6th Annual Medical Director Forum, Daytona Beach, FL, February 19-20, 2010.
16. Visiting professorship, Asahi General Hospital, Chiba, Japan, June 6-11, 2010.
17. All the Right Moves: Exercise for the Elderly. Edmund G. Beacham 38th Annual Lectureship, Johns Hopkins Geriatrics CME course, Baltimore, MD February 11, 2011.

OTHER PROFESSIONAL ACCOMPLISHMENTS

Geriatrics representative to the Hartford Foundation funded Research Agenda Setting Process (RASP)—participated with national leaders in geriatrics and non-internists in defining research agenda and priorities within those specialties, 2003-2005.

Consultation to improve geriatrics education and clinical care at Christiana Medical Center (an affiliate of Thomas Jefferson University), Wilmington, DE. November 7, 2007

Volunteer: Caroline Street Clinic 2006-2007

Volunteer: Hons on a Mission 2009-present

Volunteer: Charm City Clinic 2010-present