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**ASSISTANT PROFESSOR, RADIATION ONCOLOGY
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Date Prepared: 12/11/2011
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Place of Birth: La Jolla, California

Education

1991-1995	B.A. with honors	Human biology major Political science health policy minor	Stanford University Stanford, CA
1996-2002	M.D.		Harvard Medical School Boston, MA
2005-2006	M.P.H.	Clinical effectiveness program	Harvard School of Public Health, Boston, MA

Postdoctoral Training

07/2002-06/2003	Medical Intern	Internal Medicine	Lahey Clinic Burlington, MA
07/2003-06/2007	Resident/Fellow	Radiation Oncology	Harvard Radiation Oncology Program Boston, MA

Faculty Academic Appointments

07/2007-02/2010	Clinical Instructor	Radiation Oncology	Harvard Medical School
03/2010-	Assistant Professor	Radiation Oncology	Harvard Medical School

Appointments at Hospitals/Affiliated Institutions

07/2007-	Associate Physician	Radiation Oncology	Brigham and Women's Hospital
07/2007-	Associate Physician	Radiation Oncology	Dana-Farber Cancer Institute

Major Administrative Leadership Positions

2009-	Assistant Residency Director		Harvard Radiation Oncology Program
2011-	Director, Supportive and Palliative Radiation Oncology Service		Dana-Farber Cancer Institute/Brigham and Women's Hospital Department of Radiation Oncology

Committee Service

National and International

2011	Expert Panel Member, ASCO Palliative Care Provisional Opinion Committee		American Society of Clinical Oncology
2011	Palliative/Quality of Life Scientific Session Chair, ASTRO 2011 Annual Meeting		American Society of Therapeutic Radiation Oncology

Professional Societies

2003-	American Society for Therapeutic Radiation Oncology
2003-	American Society of Clinical Oncology
2007-	American Academy of Hospice and Palliative Medicine
2007-	American College of Radiology
2009-	American Medical Association

Grant Review Activities

2006-	Harvey Fellows Scholarship Program
2008-	John Templeton Foundation

Editorial Activities

Ad hoc Reviewer

Archives of Internal Medicine

Cancer

International Journal of Radiation Oncology Biology Physics

Journal of Clinical Oncology

Journal of Pain and Symptom Management

Journal of Palliative Care

Journal of Palliative Medicine

Psycho-Oncology

Honors and Prizes

1991-2000	United States Cycling Federation Category 1 professional cyclist, 1996 United States Olympic Trials qualifier, 4-time National Collegiate Road Cycling Champion, US Junior National Team Member, Junior World Championship National Team member, Junior Worlds Trials Champion		Professional, collegiate, and amateur bicycle racing during college and medical school.
1991-1992	Rotary Scholarship Award	Rotary Club	Scholastic achievement
1992	Stanford University Athlete of the Month	Stanford University	Athletic achievement while in full-time college study
1994	Stanford University Cap and Gown Honor Society	Stanford University Cap and Gown Society	Scholastic and athletic achievement
1997	Merck Scholar Award	Merck Foundation	Scholastic achievement
1998-2000	Harvard Medical School Clinical Research	Harvard Medical	

	Award	School	
2011-2013	National Palliative Care Research Center Career Development Award	National Palliative Care Research Center	Grant funding declined (given concurrent ASCO CDA funding) though NPCRC CDA Awardee Fellowship status retained

Report of Funded and Unfunded Projects

Funding Information

Current

2011-2014	Examining how religiousness and spiritual care influence quality of life and medical care of cancer patients near death American Society of Clinical Oncology Career Development Award Principal Investigator Determining elements of religiousness and spiritual care that influence patient quality of life and medical care received at the end of life.
2011-2012	Spiritual Support of Advanced Cancer Patients NIH Loan Repayment Award Principal Investigator Assessing the elements of spiritual care and evaluating their associations with end-of-life care received and quality of life near death

Past

2005-2006	Religion and Spirituality in Cancer Care Study Agency for Health Research and Quality Ruth L. Kirschstein National Research Service Award Principal Investigator Assessing advanced cancer patients' spiritual needs and methods for providing spiritual support in the medical setting.
2007-2008	Spiritual Support of Advanced Cancer Patients American Society of Clinical Oncology Young Investigator Award Principal Investigator Assessing the prospective association of supporting advanced cancer patient spiritual needs on end-of-life care received and quality of life near death
2007-2009	Spiritual Support of Advanced Cancer Patients NIH Loan Repayment Award Principal Investigator

Assessing the prospective association of supporting advanced cancer patient spiritual needs on end-of-life care received and quality of life near death

Current Unfunded Projects

2007-2010	Religion and Spirituality in Cancer Care Study Principal Investigator/Mentor Developing an empiric basis for the development of spiritual care interventions for patients with advanced cancer. Assessing patient and practitioners' perceptions and barrier to spiritual care in the medical setting.
2008-2010	Palliative Radiation Therapy for Multiple Myeloma Mentor/Principal Investigator Analyzing the relationship between radiation therapy dose and effectiveness of radiation therapy for palliative of multiple myeloma.
2009	Incidence and Treatment Patterns in Malignant Spinal Cord Compression Mentor/Principal Investigator Utilizing a national database to assess incidence, treatment patterns, and costs of malignant spinal cord compression in the United States from 1998-2006.
2010-	Factors Influencing Prognosis at the End of Life among Patients Receiving Palliative Radiation Therapy Mentor/Principal Investigator Retrospective review of patients receiving palliative radiotherapy analyzing key predictors of prognosis and predictors of administration of palliative radiation therapy within 4 weeks of death.

Report of Local Teaching and Training

Teaching of Students in Courses

2005-	Spirituality and Healing in Medicine 1 st and 2 nd year Harvard medical students, Harvard divinity students	Harvard Medical School 3 hours per week for 4 months
2007	Independent Study Course in Spirituality and Medicine Jamey Snell, 2 nd year HMS student	Harvard Medical School 2 hours per week for 4 months

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2008-	Principles of Palliative Radiation Therapy	Harvard Palliative Care Fellowship Program
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	Palliative care fellows	1 hour lecture once a year
2008-	Harvard Radiation Oncology Teaching Conferences 3 rd and 4 th year medical students, residents, fellows, nurses, attendings	Harvard Radiation Oncology Program Case conferences, 30 minutes-1 hour, ~4 per year
2009-	Harvard Palliative Care Fellowship Program Case Conferences Palliative care fellows, attendings, social workers, nurse practitioners	Harvard Palliative Care Fellowship Program Case conferences, 30 minutes, 1 session per month

Clinical Supervisory and Training Responsibilities

2007-	Radiation Oncology Medical Student Rotation 3 rd and 4 th year medical students	Dana-Farber Cancer Institute/Brigham and Women's Radiation Oncology Department 2-4 days per month
2007-	Radiation Oncology Resident Training Radiation oncology residents	Harvard Radiation Oncology Program 3 months per year
2008-	Palliative Care Fellow Rotation in Radiation Oncology Palliative care fellows	Harvard Palliative Care Fellowship Program 2-4 weeks per year

Formally Supervised Trainees

2005-2008	Tiffany McNair, Harvard Medical School student (2 nd -4 th year) Assisted in obtaining Harvard Medical School Institutional Review Board approval for her survey-based research project regarding the role of faith in the medical experience of women receiving care at a clinic in South Africa, presented at a Harvard Medical School student abstract symposium.	
2007-	Andrea Phelps, M.D./Beth Israel Deaconess Medical Center Internal Medicine Resident, Harvard Palliative Care Fellow, and Harvard Medical Oncology Fellow. Co-mentorship with Holly Prigerson in a first author publication in the <i>Journal of the American Medical Association</i> . Acting as primary mentor to Dr. Phelps in multiple coauthorships in manuscripts and abstracts regarding religion, spirituality, and advanced cancer. Currently acting as primary mentor to her first-author manuscript of a study using mixed methods study regarding the role of spiritual care in the advanced cancer clinical setting.	
2008-2010	Sara Alcorn, Harvard Medical School student (3 rd -4 th year)	

Poster presentation at the American Society of Therapeutic Radiation Oncology 2009 Annual Meeting; first-author manuscript in *Journal of Palliative Medicine*; Harvard Medical School Honors Thesis awarded *Cum Laude*.

- 2009-2010 Kimberley Mak, Harvard Medical School student (4th year)
Poster Discussion presentation at the American Society of Therapeutic Radiation Oncology 2009 Annual Meeting and an original research manuscript in the *International Journal of Radiation Oncology Biology Physics*.
- 2009 Kristina Mirabeau-Beale, Harvard Medical School student (4th year)
Clinical project in establishing a palliative care research database.
- 2009-2011 William Winkelman, Harvard Medical School student (1st year)
Clinical research project examining association of spiritual needs with quality of life in advanced cancer patients. Mentored him in obtaining the Harvard Medical School Ghiso Fellowship to support this research project.
- 2009-2011 Mounica Vallurupalli, Harvard Medical School student (1st year)
Clinical research project examining association of religious coping with quality of life in advanced cancer patients seen in a radiation oncology setting.
- 2010- Monica Krishnan, Harvard Radiation Oncology Program Resident
Mentoring her in a project examining prognostic factors among patients receiving palliative radiation therapy and predictors of administration of palliative radiation therapy within 4 weeks of death.
- 2010- Shara Yurkiewicz, Harvard Medical School student (1st year)
Clinical research project examining association of nurse/physician religious/spiritual values and how this influences provision of spiritual care. Mentored her in obtaining the Harvard Medical School Ghiso Fellowship to support this research project.
- 2010- Zachary Epstein-Peterson, Harvard Medical School student (1st year)
Clinical research project examining palliative radiotherapy after post-surgical fixation of a pathologic fracture, including failure patterns and functional outcomes. Clinical research project examining spiritual care provided in the medical setting, including describing current spiritual care provision patterns and patient and practitioner perceptions of its impact on the patient-practitioner relationship.

Local Invited Presentations

No presentations below were sponsored by outside entities

- 2003 Lahey Clinic Department of Internal Medicine Grand Rounds Speaker, "Religion and Spirituality in Medicine."
- 2005 Faulkner Hospital Department of Medicine Grand Rounds, September 22, 2005:

"Religion and Spirituality in Medicine."

- 2006 Massachusetts General Hospital Department of Palliative Care Grand Rounds Speaker, January 4, 2006: "Religion and Spirituality in the Care of Patients."
- 2006 Massachusetts General Hospital Breast Cancer Conference Speaker, March 28, 2006 "Spirituality and Breast Cancer."
- 2006 Dana-Farber Cancer Institute Program for Outcomes Research, Outcomes Research Seminar Speaker, March 14, 2006: "Spirituality and Cancer: The Religion and Spirituality in Cancer Care Study."
- 2006-2011 Harvard Medical School Center for Palliative Care Practical Aspects of Palliative Care Speaker, October 22, 2006, October 14, 2007, and October 12, 2008: "The Why and How of a Spiritual Assessment" and October 11, 2009, October 10, 2010, and September 18, 2011: "Spiritual Care in Advance Cancer Patients".
- 2009 Dana Farber Cancer Institute Center for Psychooncology and Palliative Care Research Seminar Series. Lecturer, January 14, 2009: "Spiritual Care of Advanced Cancer Patients: Associations with Care at the End of Life and Quality of Death"
- 2009 Harvard Palliative Care Grand Rounds. Lecturer, December 16, 2009. "Spiritual Care at the End of Life"
- 2010 Harvard Longwood Psychiatry Residency Training Program course in Spirituality and Psychiatry. Lecturer, May 19, 2010: "Religion and Spirituality in Advanced Illness"
- 2010 Dana-Farber Cancer Institute Continuing Medical Education Course: Current and New Concepts in the Biology and Treatment of Head and Neck Cancer. Lecturer, April 3, 2010: "Pain and Palliative Care in the Head and Neck Cancer Patient"
- 2010 Harvard Medical School Topics in Palliative Care Summer Course. Lecturer, July 6, 2010. "Religion and Spirituality in Palliative Care: Reintegrating Care of the Body and Soul"
- 2010 Dana-Farber Cancer Institute Department of Psychooncology and Palliative Care Research Rounds. Lecturer, October 27, 2010. "Spiritual Support from Religious Communities and Advanced Cancer Patient End-of-Life Outcomes"
- 2011 Massachusetts General Hospital Palliative Care Grand Rounds. Lecturer, January 19, 2011. "Perceptions and Practices of Spiritual Care by Clinicians Caring for Advanced Cancer Patients"
- 2011 Dana-Farber Cancer Institute Center for Outcomes Research Conference. Lecturer, March 1, 2011. "Spiritual Support from Religious Communities and Advanced Cancer Patient End-of-Life Outcomes"
- 2011 Massachusetts General Hospital Chronic Pain Grand Ground Lecturer, April 18, 2011. "Radiation Therapy for Pain and Symptom Management"

Report of Regional, National and International Invited Teaching and Presentations

No presentations below were sponsored by outside entities

National

- 2009 Spiritual support of patients with advanced illness and associations with medical care and quality of life near death/oral presentation (abstract)

 American Society of Clinical Oncology Annual Meeting
 Orlando, Florida
- 2009 Young Attending Panel Speaker “Transitioning to Being an Attending”

 American Society of Therapeutic Radiation Oncology Annual Meeting, Association of Residents in Radiation Oncology Seminar
 Chicago, Illinois
- 2010 Religion and Public Health Collaborative Conference, Keynote Speaker, “Spiritual care and advance cancer: Associations with medical care and quality of life near death”

 Religion and Public Health Collaborative
 Emory University
 Atlanta, Georgia
- 2010 8th Annual David B. Larson Memorial Lecture

 Annual Meeting of the Society for Spirituality, Theology and Health
 Duke University
 Durham, North Carolina
- 2010 Contrasting effects of religious/spiritual support from religious communities versus medical teams on advanced cancer patient end-of-life care/oral presentation (abstract)

 American Society of Clinical Oncology Annual Meeting
 Chicago, Illinois
- 2011 The Interface between Oncology and Palliative Care: Identifying Opportunities for Collaboration with Oncology in Palliative Care Consultation (teaching presentation)

 American Association of Hospice and Palliative Medicine National Meeting
 Vancouver, Canada
- 2011 Support Of Cancer Patients’ Spiritual Needs And Associations With Medical Care Costs At The End Of Life/oral presentation (abstract)

 American Association of Hospice and Palliative Medicine National Meeting
 Vancouver, Canada
- 2011 Florida Hospital Grand Rounds Speaker: Reintegrating Care for the Dying, Body and Soul

- Florida Hospital, Orlando, Florida
- 2011 Odette Cancer Center Luncheon Presentation “The Role of Religion and Spirituality at the End of Life among Advanced Cancer Patients”
Odette Cancer Center, University of Toronto, Toronto, Canada
- 2011 Rush University Medical Center Geriatric Medicine and Palliative Care Grand Rounds
“Sources of spiritual support at the end of life: Does who provides spiritual care matter?”
Rush University Medical Center, Chicago, Illinois
- 2011 Wentworth-Douglass Medical Center 3rd Annual Spiritual Care Conference Plenary Speaker “Spirituality and Spiritual Care for the Dying: From Aesclepius to *P*-values”
Wentworth-Douglass Medical Center, Dover, New Hampshire

Report of Clinical Activities and Innovations

Current Licensure and Certification

- 2004- Massachusetts Board of Registration in Medicine Medical License
- 2008- American Board of Radiology, Board Certified

Practice Activities

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|-------|---|--|-------------------|
| 2007- | Head and Neck
Oncology
Multidisciplinary
Clinical Care | Dana-Farber Cancer Institute Head and Neck
Oncology and Department of Radiation
Oncology | 1.5 days per week |
| 2009- | Palliative
Radiation
Oncology Care | Dana-Farber Cancer Institute/Brigham and
Women’s Hospital Department of Radiation
Oncology and Department of Palliative care | 1 week per month |

Clinical Innovations

- Improvement of the care of urgent and palliative radiation oncology patients (2009-)
- A substantial percentage of radiation oncology clinical care involves care of palliative patients, frequently complex, emergent cases implicating a variety of issues (pain, psychosocial issues, departmental issues due to the urgency/unpredictability of these cases). I am leading a working group to target methods of improving the system of care for these patients, and working with the Department of Radiation Oncology and the Department Palliative Care to create better integration of our departments in the care of these patients.

Report of Education of Patients and Service to the Community

Educational Materials for Patients and the Lay Community

2010

Plain Talk: Radiation Therapy for Metastases

Co-author Patient educational pamphlet

Report of Scholarship

Peer-Reviewed Publications in Print or Other Media

Research Investigations

1. Kinlay S, **Timms (Balboni) T**, Clark M, Karam C, Bilodeau T, Ridker PM, Rifai N, Carlson W, Lloyd-Jones DM, Johnstone M, Rubenstein J, Alexander S, Orav J, Stone PH. Vascular Basis Study Group. Comparison of effect of intensive lipid lowering with atorvastatin to less intensive lowering with lovastatin on C-reactive protein in patients with stable angina pectoris and inducible myocardial ischemia. *American Journal of Cardiology*. Vol. 89(10), 2002: 1205-1207.
2. **Balboni TA**, Vanderwerker LC, Block SD, Paulk ME, Lathan CS, Peteet JR, Prigerson HG. Religiousness and spiritual support among advanced cancer patients and associations with end-of-life treatment preferences and quality of life. *Journal of Clinical Oncology*, Vol. 25(5), 2007: 555-560. [published with editorial] PMID: 17290065
3. **Balboni TA**, Gaccione P, Gobezie R, Mamon HJ. Shielding of the hip prosthesis during radiation therapy for heterotopic ossification is associated with increased failure of prophylaxis. *International Journal of Radiation Oncology, Biology, Physics*, Vol. 67(5), 2007: 1499-1505.
4. **Balboni TA**, Chen MH, Harris JR, Recht A, Stevenson MA, D'Amico AV. Academic career selection and retention in radiation oncology: The Joint Center for Radiation Therapy Experience. *International Journal of Radiation Oncology, Biology, Physics*, Vol. 68(1), 2007: 183-186.
5. Mack JW, Nilsson M, **Balboni TA**, Friedlander RJ, Block SD, Trice E, Prigerson HG. Peace, equanimity, and acceptance in the cancer experience (PEACE): Validation of a scale to assess acceptance and struggle with terminal illness. *Cancer*. Vol. 112(11), 2008: 2509-2517. PMID: 18429006
6. Smith AK, McCarthy EP, Paulk E, **Balboni TA**, Maciejewski PA, Block SD, and Prigerson HG. Racial and Ethnic Differences in Advance Care Planning Among Patients with Cancer: Impact of Terminal Illness Acknowledgement, Religiousness, and Treatment Preferences. *Journal of Clinical Oncology*. Vol. 26(25), 2008: 4131-4137. PMID: 18757326
7. Wright AA; Zhang B; Ray A; Mack JW; Trice E; **Balboni TA**; Mitchell SL; Jackson VA; Block SD; Maciejewski PK; Prigerson HG. Associations Between End-of-Life Discussions, Patient Mental Health, Medical Care Near Death, and Caregiver Bereavement Adjustment. *The Journal of the American Medical Association*. 2008;300(14):1665-1673. PMID 18840840
8. Phelps AC, Maciejewski PK, Nilsson M, **Balboni TA**, Wright AA, Paulk ME, Trice E, Schrag D, Peteet JR, Block SD, Prigerson HG. Religious Coping and Use of Intensive Life-Prolonging Care Near Death in Patients with Advanced Cancer. *Journal of the American Medical Association*. 2009;301(11): 1140-1148. PMID 19293414
9. Haddad RI, Tishler R, Norris C, Goguen L, **Balboni TA**, Costello R, Wirth L, Lorch J, Andreozzi B, Annino D, Posner MR. Phase I study of cetuximab/docetaxel/cisplatin/5-fluorouracil (C-TPF) in patients with locally advanced squamous cell carcinoma of the head and neck. *Journal of Clinical Oncology*. 2009; 27 (27): 4448-4453.
10. Loggers E, Maciejewski P, Paulk E, Desanto-Madeya S, Nilsson M, Kasisomayajula V, Wright A, **Balboni T**, Temel J, Stielitz H, Block S, Prigerson H. Racial differences in predictors of intensive end-of-life care in advanced cancer patients. *Journal of Clinical Oncology*. 2009; 27 (33): 5559-5564. PMID: 19805675
11. **Balboni TA**, Paulk ME, Balboni MJ, Phelps AC, Loggers ET, Lewis EF, Block SD, Peteet JR, Prigerson HG. Provision of Spiritual Care to Advanced Cancer Patients: Associations with Medical

- Care and Quality of Life Near Death. *Journal of Clinical Oncology*. 2010; 28 (3): 445-452. PMID: 20008625
12. Wright AA, Mack JW, Kritek PA, **Balboni TA**, Massaro AF, Matulonis UA, Block SD, Prigerson HG. Influence of patients' preference and treatment site on cancer patients' end-of-life care. *Cancer*. Vol 116(19), 2009: 4656-4663. PMID: 20572030
 13. Alcorn SR, Balboni MJ, Prigerson HG, Reynolds A, Phelps AC, Wright AA, Block SD, Peteet JR, Kachnic LA, **Balboni TA**. "If God wanted me yesterday, I wouldn't be here today": Religious and spiritual themes in patients' experiences of advanced cancer. *Journal of Palliative Medicine* 2010; 13(5): 581-588. PMID: 20408763
 14. Parr J, Nilssen M, Wright A, **Balboni TA**, Block SD. The Influence of Age on the Likelihood of Receiving End-of-Life Care Consistent with Patient Treatment Preferences. *Journal of Palliative Medicine*. Vol. 13(6), 2010: 719-726. PMID 20597704
 15. Mak KS, Lee LK, Mak RH, Wang S, Pile-Spellman J, Abraham JL, Prigerson HG, **Balboni TA**. Incidence and treatment patterns in hospitalizations for malignant spinal cord compression in the United States, 1998-2006. *International Journal of Radiation Oncology, Biology, Physics* [in press] 2010.
 16. Sher DJ, Haddad RI, Norris CM, Posner MR, Wirth LJ, Goguen LA, Annino D, **Balboni T**, Allen A, Tishler RB. Efficacy and toxicity of reirradiation using intensity-modulated radiotherapy for recurrent or second primary head and neck cancer. *Cancer*. Vol. 116(20), 2010: 4761-4768.
 17. Sher DJ, Haddad RI, Norris CM, Posner MR, **Balboni TA**, Tishler R. Efficacy and Toxicity of Chemoradiotherapy Using IMRT for Unknown Primary of the Head and Neck. *International Journal of Radiation Oncology, Biology, Physics* [in press] 2010.
 18. Wright AA, Keating, NL, **Balboni TA**, Matulonis UA, Block SD, Prigerson HG. Place of Death: Correlations with Cancer Patients' Quality of Life and Predictors of Bereaved Caregivers' Mental Health. *Journal of Clinical Oncology* 2010; 28 (28): 4457-67. PMID: 20837950
 19. Balboni MJ, Babar A, Dillinger J, Phelps AC, George E, Block SD, Kachnic L, Hunt J, Peteet J, Prigerson HG, VanderWeele T, **Balboni TA**. "It depends": Viewpoints of patients, physicians and nurses on patient-practitioner prayer in the setting of advanced cancer. *Journal of Pain and Symptom Management* [in press] 2010. PMID: 21276700
 20. Schoenfeld JD, Sher DJ, Norris CM, Haddad RI, Posner MR, **Balboni TA**, Tishler RB. Salivary gland tumors treated with adjuvant intensity-modulated radiotherapy with or without concurrent chemotherapy. *International Journal of Radiation Oncology, Biology, Physics* [in press] 2010.
 21. Maciejewski PK, Phelps AC, Kacel EL, **Balboni TA**, Balboni MJ, Wright AA, Pirl W, Prigerson HG. Religious coping and behavioral disengagement: opposing influences on advance care planning and receipt of intensive care near death. *Psycho-Oncology*. [in press] 2011.
 22. **Balboni TA**, Paulk ME, Balboni MJ, Phelps AC, VanderWeele T, Wright AA, Block SD, Prigerson HG. Support of cancer patients' spiritual needs and associations with medical care costs at the end of life. *Cancer* [in press] 2011.
 23. Winkelman WD, Lauderdale K, Balboni MJ, Phelps AC, Peteet JR, Block SD, Kachnic LA, VanderWeele TJ, **Balboni TA**. The relationship of spiritual concerns to the quality of life of advanced cancer patients: Preliminary findings. *Journal of Palliative Medicine* [in press] 2011.
 24. Sher DJ, Thotakura V, **Balboni TA**, Norris CM Jr, Haddad RI, Posner MR, Lorch J, Goguen LA, Annino DJ, Tishler RB. Treatment of oral cavity squamous cell carcinoma with adjuvant or definitive intensity-modulated radiation therapy. *International Journal of Radiation Oncology, Biology, Physics* [in press] 2011.
 25. Vallurupalli M, Lauderdale K, Balboni MJ, Phelps AC, Block SD, Ng AK, Kachnic LA, VanderWeele TJ, **Balboni TA**. The role of spirituality and religious coping in the quality of life of advanced cancer patients receiving palliative radiation therapy. *Journal of Supportive Oncology* [in press] 2011.

Other Peer-Reviewed Publications

1. **Balboni TA**, Gobezie R, Mamon HJ. Heterotopic ossification: Pathophysiology, clinical features, and the role of radiotherapy for prophylaxis. *International Journal of Radiation Oncology Biology Physics*, Vol 65(5), 2006: 1289-99.
2. Balboni MJ, **Balboni TA**. Reintegrating Care for the Dying, Body and Soul. *Harvard Theological Review*. Vol 103, 2010: 351-364.
3. Smith T, Temin S, Alesi E, Abernathy A, **Balboni T**, Basch E, Ferrell B, Loscalzo M, Meier D, Paice J, Peppercorn J, Somerfield M, Stovall E, Von Roenn J. American Society of Clinical Oncology Provisional Clinical Opinion: The Integration of Palliative Care into Standard Oncology Care. *Journal of Clinical Oncology* [in press] 2011.

Non-Peer Reviewed Scientific or Medical Publications in Print or Other Media

Reviews, Chapters, Monographs, and Editorials

1. **Timms (Balboni) TA**. A Dying Art. *Current Surgery*. Vol. 58(5), September/October 2001: 496-497.
2. **Balboni TA**. It Was Sunday. *Current Surgery*. Vol. 59(1), January/February 2002: 84-85.
3. **Balboni TA**. (Reprint) "It Was Sunday" in *The Soul of A Doctor: Harvard Medical Students Face Life and Death*. Algonquin Books of Chapel Hill. May 2006.
4. **Balboni TA**, Balboni MJ. "The Rebirth of the Clinic: An Introduction to Spirituality in Health Care" [Book Review]. *Journal of Palliative Medicine*. August 2007, 10(4): 983-987.
5. Balboni, MJ and **Balboni, TA** Medicine and Spirituality in Historical Perspective (Chapter 1) in *The Soul of Medicine: Spirituality and World View in Clinical Practice*, edited by John Peteet and Michael D'Ambra. Baltimore: John Hopkins University Press, [in press] 2010.
6. **Balboni TA**, Balboni MJ, Prigerson HG. "Reply to H.W.M. van Laarhoven et al" *Journal of Clinical Oncology*. [in press] 2010.
7. **Balboni, TA**. "Palliative Care and Symptom Management in the Head and Neck Cancer Patient" (Chapter) in *Radiation Medicine Rounds – Head and Neck Cancer*, edited by Roy Tishler. Springer Publishing Company [in press] 2011.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. **Balboni TA**, Ng A, Block SD, Balboni MJ, Kachnic LA, Stevenson MA, Hong TS, Trice ED, Wright AA, Prigerson HG. Needs and perceptions of spiritual care among advanced cancer patients. American Society of Clinical Oncology 2008 Annual Meeting, Accepted for Poster Presentation.
2. **Balboni TA**, Ng A, Block SD, Balboni MJ, Kachnic LA, Stevenson MA, Hong TS, Trice ED, Wright AA, Prigerson HG. Religious Coping, Quality of Life and Frequency of Spiritual Care among Patients Receiving Palliative Radiation Therapy. American Society of Therapeutic Radiology and Oncology 2008 Annual Meeting, 09/2008
3. Alcorn SR, Mauch P, Ng A, Oppenheimer AK, Webber BT, **Balboni TA**. Predictors of symptomatic failure after palliative radiation therapy for multiple myeloma. American Society for Radiology Oncology 2009 Annual Meeting Poster Presentation.
4. **Balboni TA**, Paulk ME, Balboni MJ, Phelps AC, VanderWeele T, Wright AA, Block SD, Prigerson HG. Contrasting effects of religious/spiritual support from religious communities versus medical teams on advanced cancer patient end-of-life care. American Society of Clinical Oncology 2010 Annual Meeting Oral Presentation.

Narrative Report

My overarching vocational goal is to improve the care of patients facing advanced cancer by improving our understanding of how to best to uphold patient quality of life in the face of incurable disease. This includes examining psychosocial issues in advanced illness, particularly the role of religion and spirituality, and methods of improving palliative care within radiation oncology. I aim to meet this goal through the following research, clinical care, education and mentorship endeavors, currently as an assistant professor in radiation oncology with 70% of my time dedicated to research, clinical innovations, and teaching and 30% dedicated to clinical activities.

My research training has included instruction in research methods as part of a master of public health degree at the Harvard School of Public Health. Furthermore, based at the DFCI Center for Psychooncology and Palliative Care Research, my research skills continue to be shaped by the ongoing mentorship of Holly Prigerson, Ph.D. My research endeavors have included examining religion and spirituality in the experience of advanced cancer as part of the NIH-funded Coping with Cancer (CwC) study. We have found that advanced cancer patients whose spiritual needs are addressed have better quality of life; however, spiritual support by the medical team is frequently absent. Furthermore, we have found that support of patients' spiritual needs by the medical team is associated with greater transition to hospice care and less aggressive care at the end of life. These findings suggest that addressing patients' spiritual needs improves patient quality of life and reduces futile, aggressive care at life's end.

These study findings underscore the need for research determining how the medical team can provide spiritual care – recognition of the role of religion and/or spirituality in advanced illness and of patients' spiritual needs. In light of this need, I initiated a mixed qualitative-quantitative study of advanced cancer patients and oncology practitioners that examines patient spiritual needs and methods for medical practitioners to assist in meeting these needs, the Religion and Spirituality in Cancer Care study. Furthermore, as part of the NIH-funded CwC study renewal, I'm examining the specific religious beliefs and spiritual care content influencing patient medical care and well-being at the end of life. These research studies hold promise to provide an empirical foundation for spiritual care, a key element of palliative care both in national and international guidelines with a paucity of research to guide its provision.

My career trajectory additionally includes the improvement of palliative care within radiation oncology by building a radiation oncology palliative care service that is integrated with the DFCI Department of Palliative Care. In addition, under the mentorship of Dr. Susan Block and Dr. Janet Abraham, I'm receiving clinical training in palliative care, with board certification anticipated to occur in 2012.

Finally, being an effective teacher and mentor are goals central to both my research and clinical endeavors. I hope to improve the education of medical students, residents, fellows, and my colleagues regarding the diverse issues involved in caring for advanced cancer patients. Furthermore, just as my early career has been indelibly shaped by the mentorship of others, I aim to provide dedicated mentorship to assist others in finding and realizing their career aspirations.