

NOELLE L. WILLIAMS

Curriculum Vitae

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EDUCATION

- 2009-2013 Doctor of Medicine, University of Florida College of Medicine, Gainesville, FL
Honors: Alpha Omega Alpha Honor Medical Society
- 2007-2009 Bachelor of Science, University of Florida, Gainesville, FL
Major: Psychology; Honors: *Magna Cum Laude*
- 2004-2007 Georgia State University, Atlanta, GA
Major: Psychology; education while professional ballet dancer with Atlanta Ballet Company

POST-GRADUATE TRAINING

- 07/2017 American Society of Clinical Oncology/American Association for Cancer Research “Methods in Clinical Cancer Research Workshop,” Vail, CO
- 2016-2017 Digital Health Clinical Research Fellow
Thomas Jefferson University, Philadelphia, PA
- 10-11/2016 Visiting Resident, Department of Pediatric Radiation Oncology
St. Jude Children’s Research Hospital, Memphis, TN
- 04/2016 Visiting Resident, Department of Radiation Oncology (brachytherapy/CyberKnife)
Christiana Care Health System, Newark, DE
- 01-02/2016 Visiting Resident, Department of Radiation Oncology (gynecologic/thyroid radiation oncology)
Washington University, St. Louis, MO
- 2014-present Resident, Department of Radiation Oncology
Thomas Jefferson University, Philadelphia, PA
- 2013-2014 Preliminary Medical Intern, Department of Internal Medicine
Lankenau Medical Center, Wynnewood, PA
- 09/2013 Research Extern, Department of Pediatric Radiation Oncology
University of Florida Health Proton Therapy Institute, Jacksonville, FL

HONORS AND AWARDS

- 2017 Daniel D. Von Hoff Innovative Protocol Award, American Society of Clinical Oncology/American Association for Cancer Research “Methods in Clinical Cancer Research Workshop,” Vail, CO
- 2017 Chief Resident, Thomas Jefferson University
- 2017 Gold Humanism Honor Society Residency Chapter of Thomas Jefferson University
- 2017 Transdisciplinary Integrated Population Science (TIPS) Grant Award for “PRO-RAM: The investigation of remote electronic Patient-Reported Outcomes in combination with Remote Activity Monitoring to reduce missed treatments in patients receiving concomitant chemoradiotherapy” (\$20,000)
- 2016 Alpha Omega Alpha Postgraduate Grant Award for “A pilot feasibility trial examining the use of electronic patient-reported outcomes in prostate cancer patients with Apple ResearchKit smartphone application” (\$2,000)
- 2016-2018 Thomas Jefferson House Staff Cancer Committee Delegate
- 04/2016 JAZ Tank Opportunity Track Finalist, designed for prototype development and business model exploration for “Smart textiles in radiation oncology”
- 2012 Alpha Omega Alpha Honor Medical Society
- 2012 Medical Selection Committee of the University of Florida College of Medicine

2011	Essentials of Patient Care Excellence Award
2009	Esther "Gussie" Mautz Arts and Medicine Scholarship, University of Florida
2008	Phi Beta Kappa Honor Society
2005-2007	Full Honor Scholarship, Georgia State University

RESEARCH SUPPORT AND PROTOCOL DEVELOPMENT

1. PRO-RAM: The investigation of remote electronic Patient-Reported Outcomes in combination with Remote Activity Monitoring to reduce missed treatments in patients receiving concomitant chemoradiotherapy

Role: Co-Principal Investigator, Concept and Design

Funding: Transdisciplinary Integrated Population Science (TIPS) Award (\$20,000)

Protocol development support: American Society of Clinical Oncology/American Association for Cancer Research "Methods in Clinical Cancer Research Workshop," Vail, CO

2. A pilot study investigating the feasibility of ADAMM (Automated Device for Asthma Monitoring and Management) in patients with lung cancer (ClinicalTrials.gov Identifier: NCT03340714)

Role: Co-Principal Investigator, Concept and Design

3. RAMP (Remote Activity Monitoring Pilot): Feasibility study investigating daily step and sleep data in combination with electronic patient-reported outcomes in head and neck cancer patients

Role: Co-Principal Investigator, Concept and Design (ClinicalTrials.gov Identifier: NCT03489252)

4. A pilot feasibility trial examining the use of electronic patient-reported outcomes in prostate cancer patients with Apple ResearchKit smartphone application (ClinicalTrials.gov Identifier: NCT03197948)

Role: Co-Investigator

Funding: Alpha Omega Alpha Postgraduate Grant Award (\$2,000)

5. Phase I study of ipilimumab combined with whole brain radiation therapy or radiosurgery for melanoma patients with brain metastases (ClinicalTrials.gov Identifier: NCT01703507)

Role: Co-Investigator; initially presented at American Society for Radiation Oncology Annual Meeting, September 26, 2016, Boston, MA; Publication: Doi: 10.1016/j.ijrobp.2017.05.028

9. Phase I study of high dose rate brachytherapy combined with hypofractionated intensity-modulated radiotherapy for intermediate risk prostate cancer (ClinicalTrials.gov Identifier: NCT02023463)

Role: Co-Investigator; initially presented at American Society for Radiation Oncology Annual Meeting, October 19, 2015, San Antonio, TX

PUBLICATIONS

1. Den RB, Greenspan J, Doyle LA, Harrison AS, Peng C, **Williams NL**, Lallas CD, Trabulsi EJ, Gomella LG, Hurwitz MD, Leiby B, Dicker AP. "A phase IB clinical trial of 15 Gy HDR brachytherapy followed by hypofractionated/SBRT in the management of intermediate-risk prostate cancer." *Brachytherapy*. 2020 May-Jun;19(3):282-289. PMID: 32217038.
2. Tinkle CL, **Williams NL**, Wu H, Wu J, Kaste SC, Shulkin BL, Talleur AC, Flerlage JE, Hudson MM, Metzger ML, Krasin MJ. "Treatment patterns and disease outcomes for pediatric patients with refractory or recurrent Hodgkin lymphoma treated with curative-intent salvage radiotherapy." *Radiother Oncol*. 2019 May;134:89-95. PMID: 31005229.
3. Palmer JD, Bhamidipati D, Mehta M, **Williams NL**, Dicker AP, Werner-Wasik M, Shi W. "Treatment recommendations for elderly patients with newly diagnosed glioblastoma lack worldwide consensus." *J Neurooncol*. 2018 Nov;140(2):421-42. PMID: 30088191.

4. Garg S, **Williams NL**, Ip A, Dicker AP. "Clinical Integration of Digital Solutions in Health Care: An Overview of the Current Landscape of Digital Technologies in Cancer Care." *JCO Clinical Cancer Informatics* 2018 :2, 1-9. PMID: 30652580.
5. Gonzalez BD, Small BJ, Cases MG, **Williams NL**, Fishman MN, Jacobsen PB, Jim HSL. "Sleep Disturbance in Men Receiving Androgen Deprivation Therapy for Prostate Cancer: The Role of Hot Flashes and Nocturia." *Cancer*. 2018 Feb 1;124(3):499-506. PMID: 29072790.
6. **Williams NL**, Dan T, Zaorsky NG, Garg S, Den RB. "The Role of Genomic Techniques in Predicting Response to Radiation Therapy." *Oncology (Williston Park)*. 2017 Jul 15; 31(7). pii: 223573. Review. PMID: 28712100.
7. Dan T, **Williams NL**. "Management of Stage I Lung Cancer with Stereotactic Ablative Radiation Therapy." *Surgical Oncology Clinics of North America*. 2017 Jul; 26(3): 393-403. Review. PMID: 28576179.
8. **Williams NL**, Wuthrick EJ, Kim H, Palmer JD, Eldredge-Hindy H, Daskalakis C, Feeney K, Mastrangelo M, Kim L, Sato T, Kendra K, Olencki T, Liebner DA, Farrell CJ, Evans JJ, Judy KD, Andrews DW, Dicker AP, Werner-Wasik M, Shi W. "Phase I Study of Ipilimumab Combined with Whole Brain Radiation Therapy or Radiosurgery for Melanoma Patients with Brain Metastases." *International Journal of Radiation Oncology, Biology, and Physics*. Epub 2017 May 26. Doi: 10.1016/j.ijrobp.2017.05.028.
9. Marquess M, Johnston SP, **Williams NL**, Giordano C, Hurwitz MD, Dicker AP, Den RB. "A Pilot Study to Determine if the Use of a Virtual Reality Education Module Reduces Anxiety and Increases Comprehension in Patients Receiving Radiation Therapy." *Journal of Radiation Oncology*. Epub 2017 Mar 25. Doi:10.1007/s13566-017-0298-3.
10. Thangavel C, Boopathi E, Liu Y, Haber A, Ertel A, Bhardwaj A, Addya S, **Williams NL**, Ciment SJ, Cotzia P, Dean JL, Snook A, McNair C, Price M, Hernandez JR, Zhao SG, Birbe R, McCarthy JB, Turley EA, Pienta KJ, Feng FY, Dicker AP, Knudsen KE, Den RB. "RB Loss Promotes Prostate Cancer Metastasis." *Cancer Research*. 2017 Feb 15;77(4):982-995. Epub 2016 Dec 6. PMID: 27923835.
11. **Williams NL**, Keller J, Kremmel E, Lockamy VL, Harrison AS, Shi W. "Scalp-sparing Total Skin Electron Therapy in Mycosis Fungoides: Case Report Highlighting Technique and Outcome." *Practical Radiation Oncology*. 2016 Nov – Dec;6(6):439-441. PMID: 27156426.
12. Shukla G, **Williams NL**, Luminais C, Lu B, Shi W. "Lung Cancer Screening: Not All Nodules Are Created Equal." *Journal of Thoracic Disease*. 2016 Oct;8(10):E1257-E1259. PMID: 27867602.
13. Raval A, Dan TD, **Williams NL**, Pridjian A, Den RB. "Radioisotopes in the Management of Metastatic Prostate Cancer." *Indian Journal of Urology*. 2016 Oct-Dec;32(4):277-281. Review. PMID: 27843209.
14. Gilani M, **Williams NL**, Giordano C, Rosenblum N, Shi W, Anné P, and Schilder R. "Brain Metastases in Patients with Gynecologic Cancers: A Single Institution Experience and Review of the Literature." *Open Journal of Obstetrics and Gynecology*. 2016 Aug;6:544-552. Doi: 10.4236/ojog.2016.69070.
15. **Williams NL**, Rotondo RL, Bradley JA, Pincus DW, Fort JA, Wynn T, Morris CG, Mendenhall NP, Indelicato DJ. "Late Effects Following Radiotherapy for Childhood Low-Grade Glioma." *American Journal of Clinical Oncology*. Epub 2016 Jan 22. PMID: 26808258.

16. **Williams NL**, Palmer JD, Bar-Ad V, Anné PR, Sama AR, Weinstein JC, Rufail ML, Yeo CJ, Hurwitz MD. "Hepatoid Carcinoma of the Pancreas: A Case Report and Review of the Literature." *Case Reports in Pancreatic Cancer*. 2015 Nov;1(1):3-6. Doi: 10.1089/crpc.2015.29001.nlw.
17. Yeung V, Palmer JD, **Williams NL**, Weinstein JC, Fortuna D, Sama A, Winter J, and Bar-Ad V. "Adenosquamous Carcinoma of the Pancreas in a Patient with BRCA2 Mutation: A Case Report." *Case Reports in Pancreatic Cancer*. 2015 Nov;1(1):22-25. Doi: 10.1089/crpc.2015.29003.vye.
18. **Williams N**, Morris C, Kirwan J, Dagan R, Mendenhall WM. "Radiotherapy for Dermatofibrosarcoma Protuberans." *American Journal of Clinical Oncology*. 2014 Oct;37(5):430-2. PMID 23388563.
19. Frieling G, **Williams N**, Lim S, Rosenthal SI. "Novel Use of Topical Aczone for Erythema Elevatum Diutinum: Safer and Effective." *Journal of Drugs in Dermatology*. 2013 Apr;12(4):481-484. PMID: 23652900.
20. **Williams N**, Riley K, Silva RC, Collins SW. "An Intriguing Correlation in an Infant with Noisy Breathing." *Consultant for Pediatricians*. 2012 Dec;11(12):433-434.

BOOK CHAPTERS

1. **Williams NL**, Simone BA, Anné PR, Shi W (2018) "Radiation Therapy for Melanoma." In: Riker A. (eds) *Melanoma* (pp. 499-514). Springer, Cham.
2. Dan TD, **Williams NL**, Den RB (2016). Chapter 12: "Radium-223 in Metastatic Castrate Resistant Prostate Cancer." In KC Balaji (Ed.), *Managing Metastatic Prostate Cancer in Your Urological Oncology Practice* (pp.171-185). Switzerland: Springer International Publishing.
3. **Williams N**, Jessup C, Elston D (2012). "Dirofilariasis." In CJ Cockerell (Ed.), *Diagnostic Pathology: Non-neoplastic Dermatopathology*. Salt Lake City, UT: Amirsys Publishing, Inc.
4. **Williams N**, Jessup C, Mihm M (2012). "Orf/Milker's Nodules." In CJ Cockerell (Ed.), *Diagnostic Pathology: Non-neoplastic Dermatopathology*. Salt Lake City, UT: Amirsys Publishing, Inc.

ABSTRACTS, ORAL AND POSTER PRESENTATIONS

1. Fernandez C, Hoeltzel G, **Williams NL**, Garg S, Anne PR, Johnson J, Axelrod R, Luginbuhl A, Cognetti D, Curry J, Leiby B, Jim HSL, Bar-ad V, Dicker AP. "Continuous remote activity monitoring in head and neck cancer patients receiving radiotherapy: An initial report on patient compliance and utility from a phase I trial." Poster presentation, American Society for Radiation Oncology Annual Meeting; October 27, 2020, virtual meeting.
2. Gonzalez BD, Eisel SL, Bowles KE, Hoogland AI, James BW, Small BJ, Sharpe S, Hyland K, Bulls H, Christy S, Mansfield J, Nelson A, Alla R, Maharaj K, Kennedy B, Lafranchise E, **Williams N**, Postow W, Dicker AP, Jim HSL. "Quality of life in cancer patients treated with immune checkpoint inhibitors: A meta-analysis." Paper session, European Society for Medical Oncology 2020 Virtual Congress.
3. Johnstone PAS, Jim HSL, **Williams NL**, Yu HM, Portman D, Bulls H. "Electronic collection of patient reported symptom assessment scores in a large cancer population." Podium presentation, American Radium Society Annual Meeting; May 6, 2018, Orlando, FL.

4. **Williams NL**, Tinkle CL, Wu J, Wu H, Kaste SC, Hudson MM, Metzger ML, Krasin MJ. "Treatment patterns and disease outcomes of patients with progressive or relapsed Hodgkin lymphoma subsequently treated with curative-intent radiotherapy." Poster presentation, American Society for Radiation Oncology Annual Meeting; September 26, 2017, San Diego, CA.
5. Becksfort J, **Williams NL**, Tsang DS, Uh J, Hua CH, Cooper D, Shulkin B, Tinkle C, Krasin MJ, Merchant TE, Lucas JT. "A novel methodology for anatomically and biologically-determined clinical target volume margin estimation in pediatric high grade glioma." Electronic poster discussion, American Society for Radiation Oncology Annual Meeting; September 26, 2017, San Diego, CA.
6. Shukla G, Alexander G, Nettleton G, **Williams NL**, Bar-Ad V. "The dosimetry curriculum in radiation oncology residency: A single institution quality improvement project." Poster presentation, American Society for Radiation Oncology Annual Meeting; September 26, 2017, San Diego, CA.
7. Shukla G, Luminais C, **Williams NL**, Keith S, Dabbish N, Andrews D, Jusy K, Farrell C, Werner-Wasik M, Johnson J. "Outcomes and treatment patterns in patients with oligometastatic non-small cell lung cancer diagnosed at craniotomy: A single institution study." Poster presentation, American Society for Radiation Oncology Annual Meeting; September 26, 2017, San Diego, CA.
8. Tinkle CL, **Williams NL**, Wu J, Wu H, Kaste SC, Hudson MM, Metzger ML, Krasin MJ. "Treatment patterns and disease outcomes of patients with progressive or relapsed Hodgkin lymphoma subsequently treated with curative-intent radiotherapy." Poster presentation, International Symposium on Childhood, Adolescent, and Young Adult Hodgkin Lymphoma. May 11-13, 2017, Washington, DC.
9. **Williams NL**, Nowak Choi NA, Skowronski J, Dan TD, Eldredge-Hindy HB, Hoffman-Censits J, Lin J, Kelly WK, Gomella LG, Lallas CD, Trabulsi MD, Hurwitz MD, Dicker AP, Leiby BE, Dabbish N, Den RB. "Evaluating the effect of therapy duration on survival in patients with metastatic castrate-resistant prostate cancer receiving radium-223." Abstract publication, American Society of Clinical Oncology Genitourinary Symposium; February 17, 2017, Orlando, FL.
10. **Williams NL**, Ali A, Dan T, Ziemer K, Leiby BE, Jim HSL, Dicker AP. "Capturing the patient voice in radiotherapy trials: An analysis of trends and future directions of patient-reported outcomes." Poster presentation, American Society of Clinical Oncology 2016 Cancer Survivorship Symposium; January 28, 2017, San Diego, CA.
11. **Williams NL**, Kim H, Eldredge-Hindy H, Feeney K, Mastrangelo M, Sato T, Kim L, Farrell C, Evans J, Judy K, Andrews D, Dicker AP, Werner-Wasik M, Wuthrick E, Shi W. "Phase I study of ipilimumab combined with whole brain radiation therapy or radiosurgery for melanoma patients with brain metastases." Electronic poster discussion, American Society for Radiation Oncology Annual Meeting; September 26, 2016, Boston, MA.
12. Garg S, Palmer JD, Kim H, **Williams NL**, Bhamidipati D, Skowronski J, Glass J, Werner-Wasik M, Kim L, Shi W. "Concurrent temozolomide and hypofractionated radiotherapy for recurrent high grade glioma." Poster presentation, American Society for Radiation Oncology Annual Meeting; September 26, 2016, Boston, MA.
13. **Williams NL**, Marquess M, Giordano C, Johnston S, Den RB. "A pilot study demonstrating the utility of a virtual reality education module in reducing anxiety and increasing comprehension for patients receiving radiation therapy." Oral presentation, American College of Radiation Oncology Annual Meeting; March 19, 2016, Orlando, FL.

14. Palmer JD, Mehta M, **Williams NL**, Dicker AP, Werner-Wasik M, Shi W. "Treatment recommendations for elderly patients with newly diagnosed glioblastoma lacks worldwide consensus." Oral presentation, Society for Neuro-Oncology Annual Meeting; November 21, 2015, San Antonio, TX.
15. **Williams NL**, Rivera AC, Hardin MT, Palmer JD, Doyle LA, Harrison AS, Peng C, Lallas CD, Trabulsi EJ, Gomella LG, Hurwitz MD, Dicker AP, Den RB. "Phase I study of high dose rate brachytherapy combined with hypofractionated intensity-modulated radiotherapy for intermediate risk prostate cancer." Poster presentation, American Society for Radiation Oncology Annual Meeting; October 19, 2015, San Antonio, TX.
16. Palmer JD, Mehta M, **Williams NL**, Dicker AP, Werner-Wasik M, Shi W. "Treatment recommendations for elderly patients with newly diagnosed glioblastoma lacks worldwide consensus." Poster presentation, American Society for Radiation Oncology Annual Meeting; October 19, 2015, San Antonio, TX.
17. Rivera AC, **Williams NL**, Hardin MT, Doyle LA, Harrison AS, Peng C, Lallas CD, Trabulsi EJ, Gomella LG, Hurwitz MD, Dicker AP, Den RB. "Phase I study of high dose rate brachytherapy combined with hypofractionated intensity-modulated radiotherapy for intermediate risk prostate cancer: A quality of life analysis." Poster presentation, Sidney Kimmel Medical College at Thomas Jefferson University Alpha Omega Alpha Research Symposium; May 2016, Philadelphia, PA.
18. **Williams N**, Rotondo RL, Bradley JA, Pincus DW, Fort JA, Morris CG, Mendenhall NP, Indelicato DJ. "Late effects following radiotherapy for childhood low-grade glioma." Poster presentation, American Society for Radiation Oncology Annual Meeting; September 22, 2013, Atlanta, GA. Oral presentation, Pediatric Radiation Oncology Society Annual Meeting; May 9, 2013, Louisville, KY.
19. Frieling G, **Williams N**, Lim S, Wu H. "Psoriasis mimicking pityriasis rosea: report of a unique case and emphasis on clinicopathologic correlation." Poster presentation, American Society of Dermatopathology Annual Meeting; October 13, 2012, Chicago, IL.
20. **Williams NL**, Slayton W. "Transient vision loss following placement of a ventriculoperitoneal shunt." Poster presentation, Florida Medical Association Annual Scientific Poster Symposium; July 28, 2012, Boca Raton, FL.
21. **Williams NL**, Steffes W, Freeman-Keller M. "Unmasking the great imitator." Poster presentation, Florida Chapter American College of Physicians Annual Meeting; March 24, 2012, Orlando, FL.
22. **Williams NL**. "Late effects following radiotherapy for childhood low-grade glioma." Oral presentation, University of Florida Department of Radiation Oncology 43rd Annual Outcomes Tracking Seminar; February 23, 2013, Gainesville, FL.
23. **Williams NL**. "Radiotherapy for dermatofibrosarcoma protuberans." Oral presentation, University of Florida Department of Radiation Oncology 43rd Annual Outcomes Tracking Seminar; February 23, 2013, Gainesville, FL.

EDUCATIONAL PRESENTATIONS

1. **Williams NL**, Johnstone P, Jim H, Movsas B. "Patient Reported Outcomes: Incorporation into Your Work Flow" (SA-CME). Moderator of educational session, American Society for Radiation Oncology Annual Meeting; October 27, 2020, virtual meeting.
2. **Williams NL**. "Continuing Medical Education (SAM) Lecture: Thymoma." Thomas Jefferson University Oncology Grand Rounds; Oral presentation, November 17, 2017, Philadelphia, PA.

3. **Williams NL.** “Continuing Medical Education (SAM) Lecture: High Grade Glioma.” Thomas Jefferson University Oncology Grand Rounds; Oral presentation, October 20, 2017, Philadelphia, PA.
4. **Williams NL.** “Continuing Medical Education (SAM) Lecture: Anal Cancer.” Thomas Jefferson University Oncology Grand Rounds; Oral presentation, February 24, 2017, Philadelphia, PA.
5. **Williams NL.** “Continuing Medical Education (SAM) Lecture: Bladder Cancer.” Thomas Jefferson University Oncology Grand Rounds; Oral presentation, January 7, 2017, Philadelphia, PA.
6. **Williams NL, Dicker AP.** “Digital Health, Remote Monitoring, and Patient-Reported Outcomes in Oncology.” Thomas Jefferson University Geriatric Oncology Forum; Oral presentation, December 14, 2016, Philadelphia, PA.
7. **Williams NL.** “Digital Health and Patient-Reported Outcomes in the Oncology Care Model.” Thomas Jefferson University Department of Emergency Medicine Research in Progress Forum; Oral presentation, August 17, 2016, Philadelphia, PA.
8. **Williams NL.** “Adnexal Skin Cancers.” University of Florida Department of Radiation Oncology Grand Rounds; Oral presentation, July 30, 2012, Gainesville, FL.