

Onyinye Balogun

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WORK ADDRESS

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WORK

09/2015 – Present

Weill Cornell Medicine, Assistant Professor of Clinical Radiation Oncology

EDUCATION

08/2006 – 05/2010

Yale University School of Medicine, MD

09/2001 – 06/2005

Harvard University. A.B., Biochemical Sciences major, minor in Spanish, cum laude

TRAINING

07/2014 – 06/2015

Resident, Radiation Oncology, New York University

07/2011 – 06/2014

Resident, Radiation Oncology, University of Chicago

07/2010 – 06/2011

Intern, Stony Brook University Hospital

PUBLICATIONS

Balogun OD, Choi AMK, Formenti SC. Shaping the Path for a Global Oncology Academic Career. JAMA Onc 2019 (accepted)

Mailhot Vega R, Balogun OD et al. Estimating child mortality associated with maternal mortality due to breast and cervical cancer. Cancer 2018

Grover S, Martei YM, Puri P, Prabhakar P, Mutebi M, Balogun OD et al. Breast cancer and HIV in sub-Saharan Africa: A Complex Relationship. J Glob Oncol. 2018 Sep;(4):1-11. doi: 10.1200/JGO.2016.006585.

Skowron KB, Pitroda SP, Namm JP, Balogun O et al. Basal Tumor Cell Isolation and Patient-Derived Xenograft Engraftment Identify High-Risk Clinical Bladder Cancers. Sci Rep. 2016 Oct 24;6:35854. doi: 10.1038/srep35854.

Grover S, Gudi S, Gandhi AK, Puri PM, Olson AC, Rodin D, Balogun O et al. Radiation Oncology in India: Challenges and Opportunities. Semin Radiat Oncol. 2017 Apr;27(2):158-163. doi: 10.1016/j.semradonc.2016.11.007

Rodin D, Yap ML, Grover S, Longo JM, Balogun O et al. Global Health in Radiation Oncology: The Emergence of a New Career Pathway. Semin Radiat Oncol. 2017 Apr;27(2):118-123. doi: 10.1016/j.semradonc.2016.11.003

Balogun O, Rodin D, Ngwa W, Grover S, Longo J. Challenges and Prospects for Providing Radiation Oncology Services in Africa. Semin Radiat Oncol 27:184-188 <http://dx.doi.org/10.1016/j.semradonc.2016.11.011>

Ngwa W, Ngoma T, Zietman A, Mayr N, Elzawawy A, Winningham TA, Balogun O et al. Closing the Cancer Divide through Ubuntu: Information and Communication Technology powered models for global radiation oncology. DOI: <http://dx.doi.org/10.1016/j.ijrobp.2015.10.063>

Grover S, Raesima M, Bvochora-Nsingo M, Chiyapo SP, Balang D, Tapela N, Balogun O et al. Cervical Cancer in Botswana: Current State and Future Steps for Screening and Treatment Programs. Front Oncol. 2015 Nov 3;5:239. doi: 10.3389/fonc.2015.00239.

Balogun OD, Formenti SC. Locally Advanced Breast Cancer – Strategies for Developing Nations. *Front Oncol*. 2015 Apr 27;5:89. doi: 10.3389/fonc.2015.00089.

Grover S, Balogun OD, Yamoah K, Groen R, Martei Y, Rodin D, Shah M et al. Training Global Oncologists: Addressing the Global Cancer Control Problem. *Front Oncol*. 2015 Apr 8;5:80. doi: 10.3389/fonc.2015.00080.

Lindner R, Sullivan C, Offor O, Lezon-Geyda K, Halligan K, Fischbach N, Shah M, Bossuyt V, Schulz V, Tuck DP, Harris LN. Molecular phenotypes in triple-negative breast cancer from African-American patients suggests targets for therapy. *PLoS One*. 2013 Nov 18; 8 (11): e71915

Offor O, Moran MS. Is radiation indicated in patients with ductal carcinoma in situ and close or positive mastectomy margins? Chan LW, Rabban J, Hwang ES, et al (Univ of California, San Francisco). *Int J Radiat Oncol Biol Phys*. 80:25-30, 2011 *Breast Diseases: A Year Book Quarterly* (Vol. 23, Issue 1)

Renier C, Vogel H, Offor O, Yao C, Wapnir I. Breast cancer brain metastases express the sodium iodide symporter. *J Neurooncol*. 2010 Feb; 96 (3): 331-6

Moore SD, Offor O, Ferry JA, Amrein PC, Morton CC, Dal Cin P. ELF4 is fused to ERG in a case of acute myeloid leukemia with a t(X;21)(q25-26;q22). *Leuk Res*. 2006 Aug; 30 (8): 1037-42.

BOOK CHAPTERS

Balogun O and Formenti SC. NYU Experience and Prone Positioning. In *Short Course Breast Radiotherapy: A comprehensive review of hypofractionation, partial breast, and intra-operative irradiation*. Heidelberg, Germany: Springer-Verlag.

Balogun O, Lymberis SC and Schiff P. Early Stage Endometrial Cancer: Radiation – Less May be More. In *Uterine Cancer: Screening, Diagnosis and Treatment 2nd edition*. Heidelberg, Germany: Springer-Verlag.

POSTER PRESENTATIONS

Balogun O, Karamyan N et al. (2015) A Pilot Curriculum for the Implementation of 3D conformal radiation therapy. ASTRO 57th Annual Meeting: San Antonio, TX.

Mailhot R, Balogun O, Formenti SC. (2015) Impact of maternal death from female cancers on child mortality. ASCO Annual Meeting, Chicago, IL

Balogun O, Namm J, Beckett M, Steinberg G, Weichselbaum R. (2014) Analysis of Tumor-Initiating Cells in Engrafted Patient-Derived Human Bladder Carcinomas May Direct Precise Cancer Therapy. Poster Discussion at ASTRO 56th Annual Meeting; San Francisco, CA.

No H, Balogun O, Jozsef G, Galavis P, Formenti S (2014) Breast Cancer Radiotherapy (RT) in Developing Countries: A Technique for Simple Prone Treatment Planning, ASTRO 56th Annual Meeting; San Francisco, CA.

Offor O, Liauw SL. (2012) PSA Halving Time of <2 weeks and Post-RT PSA Nadir <0.1 ng/mL are Associated with Excellent Biochemical Control for High-Risk Prostate Cancer: Implications for Long-Term ADT with Dose Escalated Radiation Therapy, ASTRO 54th Annual Meeting; Boston, MA.

Kalakota K, Offor O, Patel R, Dess R, Schumacher A, Helenowski I, Marymont MH, Sperduto PW, Chmura SJ, Mehta MP. (2012) Validation of the Breast Cancer Specific Graded Prognostic Assessment (GPA) for Patients with Breast Cancer with Brain Metastases: a Multi-Institutional Experience. Society for Neuro-Oncology Annual Meeting; Washington, DC.

Offor O, Sullivan C, Rodov S, DiGiovanna M, Lezon-Geyda K, Zerillo C, DiGiovanna M, Harris L. (2010) Exploring a Role for IGF1R Inhibitors in Triple-Negative Breast Cancer. San Antonio Breast Cancer Symposium; San Antonio, TX.

Lindner RA, Offor O, Chaves J, Lezon-Geyda K, Halligan K, Fischbach N, Shaw M, Schulz V, Harris L, Tuck DP. (2010) Activation of the Insulin-Like Growth Factor Pathway Distinguishes African-American From European-American Patients with Triple-Negative Breast Cancer by Gene Expression Profiling. San Antonio Breast Cancer Symposium; San Antonio, TX.

INVITED LECTURES^[1]_{SEP}

“Capacity-Building for Quality Cancer Care in Low-Middle Income Countries” at Consortium of Universities in Global Health (2019)

“Improving Global Health in Resource-Poor Countries – Cornell Global Cancer Collaborative” at Cornell Joint Board of Trustees Meeting (2019)

“Transitioning from 2-D to 3-D Breast Radiation Therapy” at Association for Radiation Oncologists in Nigeria conference (2018)

“Oncology in the Developing World” Global Health Symposium at NYU (4/30/2015)

“A Pilot Curriculum for the Implementation of 3D conformal radiation therapy”, African Organization for Research and Training in Cancer East African Regional Meeting (6/26/15)

RESEARCH EXPERIENCE

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| 2013-present | University of Chicago, Department of Radiation Oncology and Cellular Biology, Ralph Weichselbaum, MD; “Characterizing Bladder Cancer Tumor-Initiating Cells.” <ul style="list-style-type: none">- Investigation of the tumor-initiating cell populations in primary bladder cancer samples and xenograft models as well as their response to DNA-damaging agents |
| 2007-2010 | Yale University, Department of Internal Medicine, Section of Medical Oncology, Lyndsay Harris, MD; “Exploring a Role for IGF1R Inhibitors in Triple-Negative Breast Cancer.” <ul style="list-style-type: none">- Investigation of the effects of IGF-1R inhibitors on the growth and gene expression profile of triple-negative breast cancer cell lines.- Collaboration with Yale faculty to create a breast cancer database to be used by Connecticut physicians conducting breast cancer research. |
| 2007-2007 | Stanford University, Department of General Surgery, Section of Surgical Oncology, Irene Wapnir, MD; “Breast Cancer Brain Metastases Express the Sodium Iodide Symporter.” <ul style="list-style-type: none">- Investigation of the expression of the sodium iodide symporter in breast cancer specimens- Investigation of radioiodine's effects on a mouse model of breast cancer-derived brain metastases using the MDA-MB-231 (triple negative) cell line. |
| 2005-2006 | University College Hospital Ibadan, Institute for Medical Research and Training, Olunfunmilayo Olopade, MD; “Determination of Hormone Receptor Status in Breast Cancer Patients.” <ul style="list-style-type: none">- Analysis of the prevalence of ER, PR and HER2 negative breast cancer specimens in Nigeria’s first immunohistochemistry laboratory dedicated to the processing of the nation’s breast cancer tumors- Assist with organization of the first clinical trial of Xeloda (capecitabine) in Nigerian women |

- 2003-2005 Brigham and Women's Hospital, Department of Pathology, Cynthia Morton, MD;
 "ELF4 is Fused to ERG in a Case of Acute Myeloid Leukemia with a t(X;21)(q25-26;q22)."
 - Detect and define novel chromosomal translocations in leukemia as a part of the Developmental Genome Anatomy Project
- 2002-2002 Brookhaven National Laboratories, Department of Biosciences, Paul Freimuth, MD;
 "Adenovirus interaction with its receptor."
 - Investigation of the interaction between adenovirus and its receptor.
 - Learn basic laboratory techniques such as PCR, gel electrophoresis and protein purification

PROFESSIONAL ASSOCIATIONS

African Organization for Research and Treatment in Cancer
 Education Committee
 American Society of Clinical Oncology
 American Society for Therapeutic Radiology and Oncology
 International Education Committee – Africa Region Chair (2017 – Present)
 International Education Committee – Africa Region Vice Chair (2015-2017)
 American Brachytherapy Society
 International Education Committee
 International Cancer Expert Corps
 Co-chair of Inaugural Young Investigators Conference (2019)
 Radiological Society of North America

HONORS AND AWARDS

2019 NRG Oncology Travel Award
 2017 AAMC Minority Faculty Career Development Seminar Travel Grant Award
 2017 International Cancer Expert Corps Ellen Stovall Early Career Leader Award
 2016 WCM Department of Radiation Oncology Competitive Research Award
 2015 American Brachytherapy Society HDR Fellowship^[1]_{SEP}
 2014 NYU Department of Radiation Oncology Competitive Research Award
 2014 AACR/ASCO Methods in Clinical Research Workshop
 2014 Roswell Park Methods in Clinical Research Workshop for Minority Physicians
 2010 The Norma Bailey Berniker Prize (Yale University School of Medicine)
 2007 David Satcher Fellowship
 2007 Michael Manzella Summer Fellowship
 2006 Onyeka Idoye Medical Scholarship
 2005 Merage Foundation for the American Dream Fellowship
 2005 Pforzheimer Public Service Fellowship
 2005 Samuel Huntington Public Service Award

PEER REVIEW

Review editor
 Frontiers in Oncology
 Practical Radiation Oncology
 PLOS One

Educational exhibit review committee
 Radiological Society of North America – Radiographics (2014)

MENTORING

2018 – Present	Eseosa Odigie – International Fellowship mentor
2017	Richard Attalah - Weill Cornell Medicine Travelers Summer Research Fellowship Program
2013-2014	Supriya Jain - supervised project entitled “Patterns of Distant Failure and Progression in Breast Cancer: Implications for the Treatment of Oligometastatic Disease” during MSIV year
2011-2012	Robert Dess – PGY1 - supervised project entitled “Validation of the breast cancer specific graded prognostic assessment (GPA) for patients with breast cancer with brain metastases: a multi-institutional experience” during MSIV year

INSTITUTIONAL SERVICE

2018 – Present	Faculty mentor for Weill Cornell Medicine Oncology Interest Group
2018 – Present	Co-Director for Weill Cornell Medicine “Introduction to Global Health” course
2017 – Present	Weill Cornell Medicine Admissions Committee
2016 – Present	Weill Cornell Medicine Diversity & Inclusion Committee
2014-2014	Diversity Trainee Committee, University of Chicago <ul style="list-style-type: none"> - Work with faculty and staff to develop and implement initiatives to improve diversity within the faculty and workforce.
2013-2014	Student National Medical Association Advisor, Pritzker School of Medicine <ul style="list-style-type: none"> - Mentor medical students and undergraduates pursuing a career in medicine.
2007-2010	Lecturer, Yale University School of Medicine <ul style="list-style-type: none"> - Invited speaker at community events to promote cancer awareness, prevention and early detection.

GRANTS

Andy Paul Africa Initiative

Institute for African Development

Role: Principal Investigator

Title: A Pilot Curriculum for 3-D Breast Radiation Therapy in Gabon

Weill Cornell Medicine Radiation Oncology Faculty Research Grant

Role: Principal Investigator

Title: A Pilot Curriculum for 3-D Breast Radiation Therapy in Armenia

INITIATIVES

Chartrounds Africa - Director

- International peer review of radiation oncology patients and plans

RadOncQuestions Genitourinary Contributor [<https://www.radoncquestions.com/>]

- Design content for an online question bank that tests radiation oncology knowledge

GlobalRT [www.globalrt.org]

- UICC and GTRCC joint venture to make radiotherapy a global health priority