

Olorunseun O. Ogunwobi, MD, PhD, MS-CTS

Barnett Rosenberg Professor of Biochemistry and Molecular Biology

Chairperson

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Education

- PhD** Cell and Molecular Medicine, School of Medicine, 2007
University of East Anglia, Norwich, United Kingdom.
Dissertation: Etiological factors and drug targets in colonic and esophageal adenocarcinoma
(Advisor: Ian Beales, MD, FRCP)
- MS-CTS** Clinical and Translational Science, 2013
Clinical and Translational Science Institute, University of Florida, Gainesville, Florida.
Thesis: miR-198 in pancreatic cancer progression and management
(Advisors: Chen Liu, MD, PhD and Thomas George Jr, MD, FACP)
- MSc** Biomedical Science, School of Biological Sciences, 2004
University of Hull, Hull, United Kingdom.
Thesis: A study of the potential of matrix assisted laser desorption/ionization time-of-flight mass spectrometry as a technique for clinical bacterial identification
(Advisor: Tim Paget, PhD)
- MBBS** Medicine, College of Medicine, University of Ibadan, 2000
Ibadan, Nigeria.

Professional Employment

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- Chair** 2023 - present
Department of Biochemistry and Molecular Biology
Michigan State University, East Lansing, Michigan
- Barnett Rosenberg Professor of Biochemistry and Molecular Biology** 2023 -
Department of Biochemistry and Molecular Biology
Michigan State University, East Lansing, Michigan

Full Professor (tenured) Department of Biological Sciences Hunter College of The City University of New York, New York.	2022 - 2023
Co-Founder UTR Therapeutics Inc	2022 - present
Associate Professor (tenured) Department of Biological Sciences Hunter College of The City University of New York, New York.	2020 – 2022
Founding Director Hunter College Center for Cancer Health Disparities Research Hunter College of The City University of New York, New York.	2018 - 2023
Co-Founder NucleoBio Inc	2017 - present
Adjunct Faculty Joan and Sanford I. Weill Department of Medicine Weill Cornell Medicine Cornell University, New York.	2015 - 2023
Faculty PhD program in Molecular, Cellular, and Developmental Biology PhD program in Biochemistry The Graduate Center City University of New York	2014 - 2023
Associate Professor (tenure-track) Department of Biological Sciences Hunter College of The City University of New York, New York.	2014 – 2020
Post-Doctoral Fellow in Cancer Biology Department of Pathology, Immunology and Laboratory Medicine University of Florida, Gainesville, Florida.	2009 – 2013
Post-Doctoral Research Scientist , Department of Pathology School of Medicine, Virginia Commonwealth University, Richmond, VA.	2008 - 2009
Post-Doctoral Research Associate , School of Medicine, University of East Anglia, Norwich, United Kingdom.	2007 – 2008
Tutor , Medical Degree Program, School of Medicine, University of East Anglia, Norwich, United Kingdom.	2005 - 2008

Research Associate , School of Medicine, University of East Anglia Norwich, United Kingdom.	2004 - 2005
Medical Officer , Ipaja Primary Health Care Center, Ipaja Lagos State, Nigeria.	2001 - 2002
House Physician , University College Hospital, Ibadan Nigeria.	2000 - 2001

Career and Research Interests

1. Laboratory research: The goal of my laboratory is to elucidate the molecular mechanisms of progression of solid organ cancers with known disparities in incidence, prevalence, or outcomes. Ongoing studies include examination of the role and molecular mechanisms of circulating tumor cells, oxytocin and the oxytocin receptor, and non-coding RNAs derived from the Plasmacytoma Variant Translocation 1 (PVT1) gene locus. A new area of interest in my laboratory is epitranscriptomics, and utilization of 3'UTR engineering to target oncogenic transcripts.

2. Research education: Through funding from the National Cancer Institute and other agencies, I am committed to developing a cancer research education program through which mentorship is provided to underrepresented minority trainees in collaborative and multidisciplinary translational cancer research. In this regard, I have served as the Research Education Core Leader for the Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH) funded by National Cancer Institute grant numbers U54 CA221704 and U54 CA221705.

3. Leadership in cancer health disparities research: As founding director of the Hunter College Center for Cancer Health Disparities Research (CCHDR), I led a team of researchers and staff involved in translational laboratory research, community-based research, and in administering the multiple cores of major National Cancer Institute – funded U54 center grants (U54 CA221704 and U54 CA221705). Also, I participate on NIH review panels to review cancer health disparities research grant proposals. In addition, I have forged strong collaborations with multiple community-based organizations in New York City (e.g Arthur Ashe Institute for Urban Health, and Coalition against Hepatitis in People of African Origin (CHIPO) – New York City, African Services Committee), Columbus Public Health, and with the New York City Department of Health and Mental Hygiene to address cancer health disparities.

Grants/Funding (Total > \$15.07 million)

Active

DBI-2318923

National Science Foundation
Project Period: 09/01/2023 - 08/31/2027
Bargonetti J (Contact PI)
Title: RaMP- NY:Diversifying the National Biology Workforce through New York
Transdisciplinary BioSciences. (NY-RaMP)
Role: Mentoring Team Leader
Total amount: \$2,999,998

3U54CA221704-03S1
National Institutes of Health / National Cancer Institute
Project Period: 09/01/2020 - 08/31/2023
Ogunwobi O (Contact PI); Ma G (Multiple PI)
Title: TUFCCC/HC Regional Comprehensive Cancer Health Disparity Partnership
Role: Contact Principal Investigator
Total amount: \$386,988

U54 CA221704
NATIONAL INSTITUTES OF HEALTH/NATIONAL CANCER INSTITUTE
Project Period: 09/01/2018 - 08/31/2023
OGUNWOBI, OLORUNSEUN (Contact Principal Investigator)
Multiple Principal Investigators: MA, GRACE; ERBLICH, JOEL; ISSA JEAN-PIERRE
Title: TUFCCC/HC Regional Comprehensive Cancer Health Disparity Partnership
Roles: Contact Principal Investigator, Administrative Core Leader, and Research
Education Core Leader
Total amount: \$5,373,858

U54 CA221705
NATIONAL INSTITUTES OF HEALTH/NATIONAL CANCER INSTITUTE
Project Period: 09/01/2018 - 08/31/2023
MA, GRACE (Contact Principal Investigator)
Multiple Principal Investigators: OGUNWOBI, OLORUNSEUN; ERBLICH, JOEL; ISSA
JEAN-PIERRE
Title: TUFCCC/HC Regional Comprehensive Cancer Health Disparity Partnership
Roles: Multiple Principal Investigator
Total amount: \$8,060,788

No number
Irving A. Hansen Memorial Foundation
Project Period: 08/01/2022 - 08/31/2023
Ogunwobi O (PI)
Title: Dietary behavior and cancer in underserved minority populations in New York City
Role: Principal Investigator
Total amount: \$25,000

XSeed Award
Deerfield

Project Period: 04/01/2023 –
Awah, Chidiebere (PI)
Title: Nanocage delivered engineered destabilized 3'UTR of c-MYC therapeutically degrades c-MYC-STAT5A/B-PDL-1 complex in metastatic triple-negative breast cancer and inhibited primary tumor and metastasis in vivo
Role: Sub-award PI
Total amount: \$250,000

No number
Black, Race and Ethnic Studies Initiative (BRESI)
Project Period: 09/01/2022 - 06/30/2023
Matsui H (PI); Ogunwobi O (Co-PI)
Title: Impacting prostate cancer disparity in Black men using RNA nanotherapeutics
Role: Co-Principal Investigator
Total amount: \$10,000

1 R01 CA239603
NATIONAL INSTITUTES OF HEALTH/NATIONAL CANCER INSTITUTE
Project Period: 02/06/2020 - 01/31/2025
BARGONETTI, Jill (PI)
Title: The Role of the Mutant p53- PARP-MCM Pathway in Triple Negative Breast Cancer
Role: Co-Investigator
Total amount: \$389,255 in Year 1; \$368,017 in Year 2; \$328,171 in Year 3

MetAvivor Advisors Award
MetAvivor
Bargonetti, Jill (PI)
Project Period: 01/01/2022 – 12/31/2023
Title: Targeting Metastatic Breast Cancer Through the Mutant p53-PARP Axis
Role: Collaborator
Total amount: \$200,000

Award Number: 2050532
National Science Foundation
Project Period: 03/15/2021 - 02/29/2024
Oyekoya, Oyewole (PI)
Title: Research Experience for Undergraduates in Immersive 3D Visualization
Role: Research Mentor
Total amount: \$404,964

1P50CA254897-01A1
NATIONAL INSTITUTES OF HEALTH/NATIONAL CANCER INSTITUTE
Project Period: 08/16/2021 - 06/30/2026
ISSA, Jean-Pierre (Contact PI); BAYLIN, Stephen B (MPI); JONES, Peter A (MPI)
Title: Epigenetic Therapies - New Approaches

Role: Internal Advisory Board Member
Total amount: \$2,269,729

2845

CUNY Interdisciplinary Research Grant (IRG) Program
Project Period: 02/15/2021 - 08/31/2023
Ogunwobi, Olorunseun (Lead PI); Co-PIs (W. Qiu, M. Yeh, C. Pan)
Title: Molecular epidemiology of PVT1 and disparities in susceptibility to COVID-19
Role: Lead PI
Total amount: \$40,000

64718-00 52

PSC-CUNY Research Award Program
Project Period: 07/01/2021 - 12/31/2022
Ogunwobi, Olorunseun
Title: Tumor suppressive mechanisms of miR-1207-3p in metastatic castration-resistant prostate cancer
Role: Principal Investigator
Total amount: \$12,000

KL2TR002385

NIH/NCATS/CTSC
Project Period: 01/01/2023 - 01/01/2024
McClure, Timothy (PI)
Title: Radiation Therapy and IRreversible Electroporation for Intermediate Risk Prostate Cancer (RTIRE)
Role: Mentor
Total amount: In Kind Contribution

Pre-Pilot Award

Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)
Project Period: 7/1/2023 – 06/30/2024
Chidiebere Awah (Postdoctoral Fellow)
Title: Combination of Nanocage-Delivered Engineered Destablized 3'UTR of ERBB2 and trastuzumab Deruxtecan as Therapy for Metastatic Trastuzumab Resistant Breast Cancer
Role: Mentor
Total amount: \$15,000

Pending

No number (already selected for funding; awaiting details)
National Pediatric Cancer Foundation
Project Period: To Be Determined
Weiser, Dan (Lead PI); Ogunwobi, Olorunseun (Co-PI); Awah, Chidiebere (Co-PI)

Title: Engineered destabilized AU rich elements of c-MYC 3'UTR as therapeutics for c-MYC driven pediatric cancers

Role: Co-PI

Total amount: \$2.3 million

Completed

T32HL135465

NATIONAL HEART, LUNG, AND BLOOD INSTITUTE

Project Period: 07/01/2017 – 06/30/2022

Angulo, Jesus (PI)

Title: HUNTER-WEILL T32 TRANSDISCIPLINARY RESEARCH TRAINING

Role: Mentor (Primary Advisor to Trisheena Harricharran who graduated with Master of Science from Weill Cornell Graduate School of Medical Sciences in 2019 and PhD from The City University of New York in 2020)

Pre-Pilot Award

Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)

Project Period: 12/15/2021 – 12/14/2022

Priyanka Ghosh (Graduate student trainee)

Title: Reciprocal Regulation of MiR-1207-3p by its Molecular Target FNDC1 in Prostate Cancer

Role: Mentor

Total amount: \$10,000

Pilot Award

Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)

Project Period: 07/15/2020 – 12/14/2021

Michelle Naidoo (Pre-doctoral trainee)

Title: MicroRNA-1205 Regulation of FRYL and AURKA in Cell Lineage Plasticity in Prostate Cancer

Role: Mentor

Total amount: \$12,825

Pilot Award

Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)

Project Period: 07/15/2020 – 12/14/2021

Fayola Levine (Graduate student trainee)

Title: PVT1 Exon 9 as a Regulator of Claudin Expression in Triple Negative Breast Cancer

Role: Mentor

Total amount: \$12,825

Pre-Pilot Award

Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)

Project Period: 07/15/2020 – 12/14/2021
Cristina Zambrano (Research Associate)
Title: *Nutritional Mechanisms of Early Onset Colorectal Cancer in Hispanics*
Role: Mentor
Total amount: \$8,000

Pre-Pilot Award
Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)
Project Period: 07/15/2020 – 12/14/2021
Kamran Khan (Graduate student trainee)
Title: *Endostatin Regulation of MHC 1 as a Mechanism of Immune Evasion by Circulating Tumor Cells*
Role: Mentor
Total amount: \$8,000

Pilot Award
Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)
Project Period: 07/15/2019 – 02/28/2021
Gargi Pal (Post-doctoral trainee)
Title: *Viral Delivery of miR-207-3p as a Therapeutic Option for Aggressive Prostate Cancer in Black Males*
Role: Mentor
Total amount: \$15,000

Pre-Pilot Award
Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)
Project Period: 07/15/2019 – 02/28/2021
Michelle Naidoo (Pre-doctoral trainee)
Title: *MicroRNA-1205 as a Tumor Suppressor in Aggressive Prostate Cancer in Black Males*
Role: Mentor
Total amount: \$10,000

Pre-Pilot Award
Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)
Project Period: 07/15/2019 – 02/28/2021
Fayola Levine (Graduate student trainee)
Title: *PVT1 in Triple Negative Breast Cancer in Black Women*
Role: Mentor
Total amount: \$10,000

Pre-Pilot Award
Synergistic Partnership for Enhancing Equity in Cancer Health (SPEECH)
Project Period: 07/15/2019 – 02/28/2021
Oluwatoyin Odumuogun (Graduate student trainee)
Title: *Oxytocin as a Biopsychosocial Modulator in Hepatocellular Carcinoma*

Role: Mentor

Total amount: \$5,000

PI, CUNY Interdisciplinary Research Grant 07/2017–06/2019

Research Foundation of The City University of New York

Title: Diet and cancer in New York City minority populations

Total amount: \$40,000

PI, RCMI Translational Research Network (RTRN) Small 07/2016-06/2018

Grants Award

NIH/NIMHD/RTRN

Title: Non-coding RNA-based biomarker discovery for clinical applications in prostate cancer in males of African ancestry

Total amount: \$40,000

PI, Center for Translational and Basic Research (CTBR) Pilot Award 12/2016-06/2018

NIH/NIMHD/CTBR

Title: Molecular mechanisms and clinical applications of miR-1207-3p in prostate cancer

Total amount: \$50,000

PI, Innovation Corps Teams Award (Award Number:1645443) 06/2016-01/2018

National Science Foundation

Title: I-Corps: Commercialization of biomedical applications of innovative technologies created from PVT1 non-coding RNA research

Total amount: \$50,000

PI, Carnegie African Diaspora Fellowship Program (CADFP) Mini-Grant for Conference Participation 05/2018-07/2018

Institute of International Education/Carnegie Corporation of New York

Title: Two novel synthetic analogs of miR-1207-3p, NB5 and NB1207, target AR-V7 and c-MYC and demonstrate in vivo therapeutic efficacy in metastatic castrate-resistant prostate cancer (mCRPC)

Total amount: \$2,000

PI, Professional Staff Congress-City University of New York 07/2016-12/2017
(PSC-CUNY) Enhanced Award

PSC-CUNY

Title: Novel synthetic biotinylated miR-1207-3p duplex for discovery and therapeutic applications in prostate cancer

Total amount: \$12,000

Co-PI, Innovation Seed Funding Award 01/2016-01/2017

New York State Prostate Cancer Fund

Title: Novel approaches to targeting survival signals in prostate cancer

Total amount: \$75,000

PI, Weill Cornell Clinical and Translational Science Center (CTSC) 05/2015-05/2017
 Pilot Award
 NIH/NCATS/CTSC
Title: PVT1 exon 9 and aggressive prostate cancer in Black men
 Total amount: \$89,768

PI, Community Planning Grant 2016
 NIH/NCATS/CTSC
Title: Community engagement for prostate cancer research
 Total amount: \$5,000

Co-PI, Pilot Project Award, 2014-2016
 NIH/NIMHD/CTBR
Title: MDM2 Oncogenic Functions Promoting Metastasis and Circulating Tumor Cells
 Total amount: \$138,828

PI, Innovation Seed Funding Award, 2014-2015
 NIH/NIMHD/CTBR
Title: PVT1 and racial disparity in aggressive prostate cancer
 Total amount: \$20,000

PI, President's fund for faculty advancement 2015
 Hunter College President's Office
Title: PVT1 exon 9 in prostate cancer in Black men
 Total amount: \$4,500

Mentor, RTRN Small Grants Program, 2014-2015
 Research Centers in Minority Institutions Translational Research Network/NIMHD/NIH
Title: Evaluation of Vernonia cinerea (Vc) in the Treatment of Cancer
 Mentee: Leng Chang, PhD
 Total amount: \$40,000

Mentor, New York City Louise Stokes Alliance 2014-2015
 For Minority Participation in Science, Technology, Engineering and Mathematics
Title: Regulation and Function of Micro RNA-1205 in Prostate Epithelial Cells
 Mentee: Victoria Durojaiye
 Total amount: \$8,000

PI, AACR-FNAB Fellows Grant, American Association for Cancer Research 2012-2014
Title: Mechanisms of metastasis in pancreatic cancer
 Total amount: \$35,000

NIH T32 Postdoctoral Fellowship, University of Florida 2010 - 2013
Title: Role of epithelial-mesenchymal transition in liver cancer metastasis
 Total amount: ~\$150,000

PI, Experimental Pathology Innovative Grant, University of Florida <i>Title: Circulating tumor cell biology and mechanisms of therapeutic resistance in pancreatic adenocarcinoma</i> Total amount: \$5,000	2012 - 2013
PI, Experimental Pathology Innovative Grant, University of Florida <i>Title: Mechanisms of metastasis in colon cancer</i> Total amount: \$5,000	2011 - 2012
Co-PI, Big C Cancer Research Grant, Norwich, United Kingdom <i>Title: AMP-activated protein kinase in esophageal adenocarcinoma</i> Total amount: ~£50,000	2006 - 2008
PI, Institute of Biomedical Science Research Grant <i>Title: Leptin in esophageal adenocarcinoma</i> Total amount: ~£5,000	2004 - 2005
Investigator, NNUH Bicentenary Trust Studentship University of East Anglia, UK <i>Title: Leptin in esophageal adenocarcinoma</i>	2003 - 2006

Honors

Jefferson Science Fellow United States Agency for International Development / National Academies of Sciences, Engineering, and Medicine	2023 – 2024
Long Service Award PLOS ONE Editorial Board	2023
Presidential Award for Excellence in Scholarship or Creative Activity (One of only two winners in 2022) Hunter College of The City University of New York https://drive.google.com/file/d/1j3R7L0DQ1TDyzH_NdMWhM3eEj5B3zq7N/view?usp=sharing	2022
Fellow of The New York Academy of Medicine	2021
Special recognition at City University of New York Innovation Scholarship & Celebration 2021 https://twitter.com/ChancellorCUNY/status/1394469557834760194?s=20	2021
Carnegie African Diaspora Fellow Carnegie Corporation of New York	2017
Minority-Serving Institution Faculty Scholar Award	2014, 2015, 2016

American Association for Cancer Research	
Minority Scholar in Cancer Research Award, American Association for Cancer Research	2013, 2014
Scholar Abstract Award Translational Science 2013, April 17-19, 2013, Washington DC Sponsored by the Association for Clinical and Translational Science (ACTS) and the American Federation for Medical Research (AFMR)	2013
Advanced Postgraduate Program in Clinical Investigation Scholar, NIH/NCATS/Clinical and Translational Science Institute University of Florida	2012
Minority Scholar in Cancer Research Award, American Association for Cancer Research	2012
Oral presentation prize, Surgery Research Day, Norfolk and Norwich University Hospital, Norwich, United Kingdom	2007
General Travel Grant, Biochemical Society, London, United Kingdom	2007
Young Researchers' Travel Grant, Tebu-Bio	2007
Travel Grant for the best papers by young authors United European Gastroenterology Week (UEGW), Berlin, Germany	2006
Paper presented at the British Society of Gastroenterology annual meeting in Birmingham, UK was given special recognition through a press release from the British Society of Gastroenterology	2006
Travel Grant for the best papers by young authors United European Gastroenterology Week (UEGW), Copenhagen, Denmark	2005
Oral presentation selected as one of the key papers for special coverage in the United European Gastroenterology Week 2005 Congress Newspaper	2005
Research accomplishments acknowledged on page 5, issue number 24 of The Pulse, a publication of the Norfolk and Norwich University Hospital NHS Trust	2005
Institute of Health, University of East Anglia, Scholarship Fund	2005
University of Hull International Student Scholarship	2002-2003

Shell Petroleum Development Corporation Scholarship 1993-2000

Professional Service

Reviewer, 2023 Interdisciplinary Research Grant program 2023
The City University of New York

Committee Member, Black, Race and Ethnic Studies Initiative 2022
The City University of New York

Ad hoc Member, NCI RFA-CA-21-063 “A Multilevel Approach to
Connecting Underrepresented Populations to Clinical Trials” (CUSP2CT) (U01) 2022
Center for Scientific Review, National Institutes of Health

Member, Executive Steering Committee 2022
Hunter College Multi-year Strategic Planning Effort

Ad hoc Reviewer, Prostate Cancer Research 2022
London, England

Ad hoc Reviewer, Worldwide Cancer Research 2022
Edinburgh, Scotland

Ad hoc Reviewer, Health & Social Care Research & Development 2021
Public Health Agency, Belfast, Northern Ireland

Co-Chair, Coalition against Hepatitis in People of African Origin (CHIPO) 2021-present
New York City

Scientist Reviewer 2021-present
Prostate Cancer Research Program (PCRP)
Congressionally Directed Medical Research Programs (CDMRP)

Co-Chair, Hunter College Committee on Strategic Planning for Research 2021-2022

Nominations Committee Member 2021-2023
Molecular, Cellular, and Developmental Biology PhD Program
The Graduate Center, City University of New York

Program Committee Member 2021
14th American Association for Cancer Research (AACR) Conference on The Science of
Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved

Scientific Review Committee Member 2021
14th American Association for Cancer Research (AACR) Conference on The Science of
Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved

PhD Thesis External Examiner The University of Queensland, Brisbane, Australia	2021
Ad hoc Reviewer, Austrian Science Fund (FWF)	2021-present
Full Professor Promotion Review Department of Biochemistry, Howard University	2020
Chair, External Advisory Board Consortium on Disparities in Urologic Conditions (ConDUC)	2020-present
Ad hoc Reviewer, Prostate Cancer Review Panel American Cancer Society	2020-present
Member, Strategic Planning Group Nigeria-Diaspora Biomedical Research Program National Universities Commission (NUC), Nigeria	2020-present
Ad hoc Reviewer, Israel Science Foundation	2020-present
Ad hoc Member, ZCA1 SRB-2 (A1) S Comprehensive Partnerships to Advance Cancer Health Equity (CPACHE) (U54) Center for Scientific Review, National Institutes of Health	2019-present
Ad hoc Member, ZCA1 SRB-E (M1) P Feasibility Studies to Build Collaborative Partnerships in Cancer Research (P20) Center for Scientific Review, National Institutes of Health	2019-present
Member (Standing Membership for a 6-year term from 2019; Alternate Chair in 2020) Cancer Cell Biology Study Section Center for Scientific Review, National Institutes of Health	2018-present
Ad hoc Member, NCI Special Emphasis Panel NCORP Minority/Underse- rved Community Sites (ZCA1 SRB-H (M1) R) Center for Scientific Review, National Institutes of Health	2018-present
Organizer and Chairman, Annual TUFCCC/HC Regional Comprehensive Cancer Health Disparity Partnership Research Symposium	2016-2018
Member, Curriculum Committee, PhD in Biochemistry Program The Graduate Center, City University of New York	2017-present
Ad hoc Reviewer, Genesis Oncology Trust, New Zealand	2016
Member, Medicare Evidence Development & Coverage	2016-present

Advisory Committee (MEDCAC) Centers for Medicare & Medicaid Services US Department of Health and Human Services	
Chair, 2016 Center for Translational and Basic Research Annual International Symposium Planning Committee	2015-2016
Tenure Review Department of Biochemistry, Howard University	2015
Member, The Graduate Center Dissertation Review Committee The Graduate Center, City University of New York	2015
MA Advisor, and Member of Master's Advisory Committee (with responsibility for admission to MA in Biology program) Department of Biological Sciences Hunter College of The City University of New York	2014-2020
Mentor, American Association for Cancer Research Special Program for High School Students AACR Annual Meeting, Philadelphia, PA	2015
Judge, American Association for Cancer Research Annual Undergraduate Student Caucus and Poster Competition AACR Annual Meeting, San Diego, CA	2014
Postdoctoral Peer Mentor University of Florida, Gainesville, Florida.	2012 - 2013
Member, Experimental Pathology Innovative Grants Study Section, University of Florida, Gainesville, Florida.	2012 - 2013
Judge, Graduate Students Research Day Poster Competition College of Medicine, University of Florida	2012
Member, Seminar Panel for Interdisciplinary Program (IDP) for graduate students, College of Medicine, University of Florida.	2012
Ad hoc Reviewer, Irish Health Research Board	2008
Chairman and coordinator, Postgraduate students seminar series, School of Medicine, University of East Anglia, Norwich, UK.	2004 - 2006
Graduate Student Member, School-wide Research Committee School of Medicine, University of East Anglia, Norwich, UK.	2004 – 2006

Captain, Medical Student Group, University of Ibadan Ibadan, Nigeria.	1996 - 2000
Member, Editorial Board, Press Club, Alexander Brown Hall University of Ibadan, Ibadan, Nigeria.	1996 - 2000
Member, Executive Board, Oyo State Medical Students Association University of Ibadan, Ibadan, Nigeria.	1996 - 2000

Journal Editorial Board Memberships

Associate Editor, Biomarker Insights
 Associate Editor, Frontiers in Genetics
 Associate Editor, Frontiers in Oncology
 Academic Editor, PLoS ONE
 Associate Editor, Frontiers in Immunology
 World Journal of Clinical Oncology
 PeerJ
 Journal of Clinical and Translational Hepatology

Ad hoc Journal Review

Nature Communications, Molecular Cancer Research, Oncotargets, Carcinogenesis, BMC Cancer, PLoS One, Cancer Causes & Control, The Prostate, Gut, American Journal of Gastroenterology, Alimentary Pharmacology and Therapeutics, Journal of Pharmacology and Experimental Therapeutics, Laboratory Investigation, British Journal of Nutrition, Expert Opinion on Therapeutic Targets, World Journal of Clinical Oncology, International Journal of Cancer, Genes, Frontiers in Genetics, Frontiers in Oncology, Aging, Molecular Therapy - Oncolytics

Publications

Peer-reviewed journal articles

1. Vickers A, Mahal B, **Ogunwobi OO**. Reply to M. Roach et al and K.H. Stopsack et al. J Clin Oncol. 2023: JCO2300657. doi: 10.1200/JCO.23.00657.
2. Awah CU, Glemaud Y, Levine F, Yang K, Ansary A, Dong F, Ash L, Zhao J, **Ogunwobi OO**. Destabilized 3'UTR elements therapeutically degrade ERBB2 mRNA in drug resistant ERBB2+ cancer models. Front. Genet. 2023, 14:1184600. doi: 10.3389/fgene.2023.1184600.
3. Johnson CK, Leung MM, Ma GX, **Ogunwobi OO**. Effective Recruitment Strategies Utilized to Examine Dietary Practices of Blacks in New York City in the

Midst of the COVID-19 Pandemic. *Journal of Racial and Ethnic Health Disparities*. 2023, 16:1-9. doi: 10.1007/s40615-023-01559-9.

4. Ma GX, Zhu L, Tan Y, Zhai S, Ma X, **Ogunwobi OO**, Yang WJ, Ting T, Kim S, Wang MQ. A Comparative Trial of Improving Care for Underserved Asian Americans Infected with Hepatitis B Virus. *Digestive Diseases and Sciences*. 2023, doi: 10.1007/s10620-023-07840-5.
5. Vickers A, Mahal B, **Ogunwobi OO**. Racism doesn't cause prostate cancer, it causes prostate cancer death. *Journal of Clinical Oncology*. 2023, 41 (12) 2151-2154; doi: <https://doi.org/10.1200/JCO.22.02203>.
6. Zambrano CN, Lu W, Johnson C, Beeber M, Panitz A, Ibrahim S, Fraser M, Ma GX, Navder K, Yeh M, **Ogunwobi OO**. Dietary behavior and urinary gallic acid concentration differences among underserved elder racial and ethnic minorities in New York City. *Cancer Causes & Control*. 2022; 33(7):929-937. doi: 10.1007/s10552-022-01581-y.
7. Awah C, Winter J, **Ogunwobi OO**. Genome scale CRISPR Cas9a knockout screen reveals genes that control glioblastoma susceptibility to the alkylating agent temozolomide. *All Life*. 2022, 15 (1): 88–93, DOI: <https://doi.org/10.1080/26895293.2021.2024895>.
8. Akingboye A, Mahmood F, Amiruddin N, Reay M, Nightingale P, **Ogunwobi OO**. Increased risk of COVID-19 related admissions in active solid organ cancer patients in the West Midlands region of the United Kingdom: A Retrospective cohort study. *BMJ Open*. 2021;11: e053352. DOI: <http://dx.doi.org/10.1136/bmjopen-2021-053352>.
9. Awah C, Winter J, Mazdoom C, **Ogunwobi OO**. NSUN6, an RNA methyltransferase of 5-mC controls glioblastoma response to Temozolomide (TMZ) via NELFB and RPS6KB2 interaction. *Cancer Biology & Therapy*. 2021, 27:1-11.
10. Naidoo M, Levine F, Gillot T, Orunmuyi AT, Olapade-Olaopa EO, Ali T, Krampis K, Pan C, Dorsaint P, Sboner A and **Ogunwobi OO**. MicroRNA-1205 regulation of FRYL in prostate cancer. *Frontiers in Cell and Developmental Biology*. 2021, 9:647485. DOI: 10.3389/fcell.2021.647485.
11. Asante-Asamani E, Pal G, Liu L, **Ogunwobi OO**. Prostac: a new composite score with potential predictive value in prostate cancer. *Front. Oncol*. 2021, 11:644665. DOI: 10.3389/fonc.2021.644665.
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Peer-reviewed book chapters

1. Huaman J, Bach C, Ilboudo A, **Ogunwobi OO**. Epithelial-to-Mesenchymal Transition in Hepatocellular Carcinoma in Precision Molecular Pathology of Liver Cancer, Edited by Chen Liu, September 2017, Springer.
2. **Ogunwobi OO**. Leptin, Cell Cycle and Cancer in Leptin - Regulation and Clinical Applications, Edited by Sam Dagogo-Jack, December 2014, Springer.
3. **Ogunwobi OO**, Boylu B, Ochu C. Stem Cell Therapy of Solid Organ Cancers in Comprehensive Hematology and Stem Cell Research, Edited by Nima Rezaei, Elsevier.

Articles undergoing peer-review

Lin Zhu, S J Dodd, Yuku Chen, Emily R Kaminsky, Zhiqing Elaine Liu, Grace X Ma, **Olorunseun O Ogunwobi**, Carolyn Y Fang. Educating the Next Generation of Cancer Researchers: Evaluation of A Cancer Research Partnership Training Program. 2023; medRxiv. 2023; <https://doi.org/10.1101/2023.05.15.23289973>. Preprint.

Priyanka Ghosh, **Olorunseun O Ogunwobi**. Intracellular interaction of FNDC1/FN1/AR/cMYC in prostate cancer cells. 2023; <https://www.biorxiv.org/content/10.1101/2023.02.23.529660v1>; doi: <https://doi.org/10.1101/2023.02.23.529660>.

Patents

	Title	Type	US/ F	Status	Application serial #	Filed
1	METHODS FOR USING PVT1 EXON 9 TO DIAGNOSE AND TREAT PROSTATE CANCER	Utility	US	Issued on December 19, 2017 ; Patent number: US 9845472	15/345,463	11/7/2016
2	miRNAs USEFUL FOR IDENTIFYING TARGETS ASSOCIATED WITH CANCER	Utility	US	Issued on November 27, 2018 ; Patent number: US 10,138,481 B2	15/338,704	10/31/2016
3	miRNAs USEFUL FOR IDENTIFYING TARGETS ASSOCIATED WITH CANCER	Utility	US	Non-provisional; published on March 21, 2019	16/199,326	11/26/2018
4	METHODS FOR USING PVT1 EXON 9 TO DIAGNOSE AND TREAT PROSTATE CANCER	Utility	US	Issued on July 9, 2019 ; Patent number: US 10344283	15/829,263	12/1/2017
5	PLASMID VECTOR FOR EXPRESSING A PVT1 EXON AND METHOD FOR CONSTRUCTING STANDARD CURVE THEREFOR	Utility	US	Issued on January 18, 2022 ; U.S. Patent number 11,225,666.	16/356,635	3/18/2019
6	METHODS OF USING PVT1 EXON 9 TO DIAGNOSE AND TREAT PROSTATE CANCER	Utility	US	Issued on March 16, 2021 ; Patent number: US 10,947,535	16/504,078	07/5/2019

7	DESTABILIZED ARE 3'UTRs AS THERAPEUTICS FOR CANCER	Utility	US	Non-provisional patent application	18/176,871	03/1/2023
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Notable media interactions

https://twitter.com/seunogunwobi/status/1600187783435296768?s=20&t=AvHk_BrTr8n1HWIAalkxBg

https://twitter.com/AfricaRch/status/1516196863044694016?s=20&t=AvHk_BrTr8n1HWIAalkxBg

<https://youtu.be/1s-Zx20o2zo>

<https://www.science.org/content/article/crispr-s-ancestry-problem-misses-cancer-targets-those-african-descent>

Invited Oral Presentations

Ogunwobi OO*. Invited presentation as guest lecturer to the Department of Medicine Grand Rounds, Michigan State University, East Lansing, Michigan. Title: Inequities in cancer health outcomes: Can strategies leveraging noncoding RNA biology help? September 12, 2023 in East Lansing, Michigan.

Ogunwobi OO*. Invited presentation as guest lecturer to the Inaugural ICaRE Cancer Symposium, Institute of Cancer Research and Education, State University of New York, Old Westbury, New York. Title: Inequities in cancer health outcomes: Can strategies leveraging noncoding RNA biology help? Thursday, May 4, 2023 in Old Westbury, New York.

Ogunwobi OO*. Invited presentation as guest lecturer to the 2023 Mass General Cancer Center Cancer Equity Colloquium, Massachusetts General Hospital Cancer Center, Boston, Massachusetts. Title: Inequities in cancer health outcomes: Can strategies leveraging noncoding RNA biology help? Saturday, April 22, 2023 in Boston, Massachusetts.

Ogunwobi OO*. Invited presentation as guest lecturer to Queensborough Community College of The City University of New York. Title: Impacting prostate cancer disparity in Black men using RNA nanotherapeutics. Monday, March 20, 2023 in Queens, New York.

Ogunwobi OO*. Invited presentation as guest lecturer to State University of New York Downstate Health Sciences University, Brooklyn, New York. Title: Leveraging noncoding RNA biology for clinical applications towards cancer health equity. Thursday November 10, 2022 in Brooklyn, New York.

Ogunwobi OO*. Invited presentation to Coalition against Hepatitis in People of African Origin (CHIPO) – New York City. Title: Addressing Myths and Misconceptions about Hepatitis B among African Immigrant Communities around the United States. Webinar, Wednesday October 19, 2022.

Ogunwobi OO*. Invited presentation as guest lecturer to the Winship Grand Rounds, Winship Cancer Institute, Emory University, Atlanta, Georgia. Title: Leveraging non-coding RNA biology for clinical applications in cancer. Wednesday October 5, 2022 in Atlanta, Georgia.

Ogunwobi OO*. Invited presentation as guest lecturer to the Department of Pharmacology, University of Colorado, Anschutz Medical Campus, Colorado. Title: Leveraging non-coding RNA biology for clinical applications in cancer. Monday September 26, 2022 in Anschutz, Colorado.

Ogunwobi OO*. Invited presentation as guest lecturer to the Center for Cancer Research and Therapeutic Development, Clark Atlanta University, Georgia. Title: Leveraging non-coding RNA biology for clinical applications in cancer. Wednesday September 21, 2022.

Ogunwobi OO*. Invited presentation to AcademyHealth Annual Research Meeting (ARM). Title: Prediction modeling in prostate cancer disparities in Panel: A Rubric for Algorithmic Fairness for Predictive Analytics in Healthcare. Saturday June 4, 2022 in Washington, DC.

Ogunwobi OO*. Invited presentation to Department of Biochemistry and Molecular Biology, Michigan State University. Title: Leveraging non-coding RNA biology for clinical applications in cancer. East Lansing, Michigan, Tuesday May 31, 2022.

Ogunwobi OO*. Invited presentation to Coalition against Hepatitis in People of African Origin (CHIPO)'s national coalition. Title: Addressing Myths and Misconceptions about Hepatitis B among African Immigrant Communities around the United States. Webinar, Wednesday April 20, 2022.

Ogunwobi OO*. Invited presentation to Partnerships to Advance Cancer Health Equity (PACHE) Program Meeting, Center to Reduce Cancer Health Disparities (CRCHD), National Cancer Institute (NCI). Title: Strengthening Institutional Commitment and Capacity. Online Conference, Monday, September 20, 2021.

Ogunwobi OO*. Invited panel presentation to the City University of New York Scholarship and Innovation Celebration. Online seminar, May 17, 2021.

Ogunwobi OO*. Invited presentation to the City University of New York Faculty Diversity and Inclusion Conference. Title: Training racial minority students at Hunter College for the cancer research workforce. Online seminar, April 15 - 16, 2021.

Ogunwobi OO*. Invited presentation to the Department of Biological Sciences, City College of The City University of New York. Title: Mechanisms of PVT1 transcripts in prostate tumorigenesis. Online seminar, March 8, 2021.

Ogunwobi OO*. Invited presentation to the Department of Structural and Cellular Biology, Tulane University School of Medicine. Title: Mechanisms of PVT1 transcripts in prostate tumorigenesis. Online seminar, February 24, 2021.

Ogunwobi OO*. Invited presentation to Coalition against Hepatitis in People of African Origin (CHIPO) – National Call. Title: Biobehavioral factors related to hepatitis B virus infection and progression to liver cancer in African immigrants to the US. Online seminar, January 25, 2021.

Ogunwobi OO*. Invited presentation to Nigeria-Diaspora Biomedical Research Summit – Online Seminar, Abuja, Nigeria. Title: Oncogenic PVT1 exon 9 induces aggressive prostate cancer, expression of KRT14, VIM, FN1, CAV1, and inhibits expression of CLDN4. Online Seminar, National Universities Commission, Abuja, Nigeria, July 1 - 3, 2020.

Ogunwobi OO*. Invited presentation to Nigeria-Diaspora Biomedical Research Summit – Online Seminar, Abuja, Nigeria. Title: Grantwriting Session 2: Developing Specific Aims Page. Online Seminar, National Universities Commission, Abuja, Nigeria, July 1 - 3, 2020.

Ogunwobi OO*. Invited presentation to Coalition against Hepatitis in People of African Origin (CHIPO) – New York City. Title: Biobehavioral factors related to hepatitis B virus infection and progression to liver cancer in African immigrants to the US. New York, New York, January 29, 2020.

Ogunwobi OO*. Invited presentation to the Inger Richter Seminar Series, Department of Biological Sciences, Hunter College of The City University of New York. Title: Functions and Mechanisms of PVT1-Derived Transcripts in Prostate Tumorigenesis. New York, New York, December 9, 2019.

Ogunwobi OO*. Invited presentation to the Specialized Programs of Research Excellence (SPORE) Working Group Meeting, Weill Cornell Medicine. Title: Functions and Mechanisms of PVT1-Derived Transcripts in Prostate Tumorigenesis. New York, New York, November 20, 2019.

Ogunwobi OO*. Invited presentation to the Asian American Studies Center, Hunter College of The City University of New York. Title: Cancer Health Disparities Research at Hunter College. New York, New York, November 18, 2019.

Ogunwobi OO*. Invited presentation to the Institute for Translational Epidemiology, Tisch Cancer Institute, Icahn School of Medicine at Mount Sinai. Title: Functions and Mechanisms of PVT1-Derived Transcripts in Prostate Tumorigenesis. New York, New York, November 14, 2019.

Ogunwobi OO*. Invited keynote presentation to the 5th International Conference on Human Genetics and Genetic Diseases and 11th International Conference on Genomics and Pharmacogenomics. Title: MicroRNA-1207-3p in metastatic castrate-resistant prostate cancer. Philadelphia, Pennsylvania, September 21, 2018.

Ogunwobi OO*. Invited presentation to Human Genetics & Genetic Disorders 2018. Title: PVT1-encoded miR-1207-3p in aggressive prostate cancer. Webinar, April 16, 2018.

Ogunwobi OO*. Invited presentation to the Clinical and Translational Science Center, Weill Cornell Medicine, Cornell University. Title: PVT1 Exon 9 And Aggressive Prostate Cancer in Black Men. New York, April 13, 2018.

Ogunwobi OO*. Invited presentation to the 2nd Hunter College-CUNY/Weill Cornell Medicine Belfer Research Retreat. Title: Elucidating molecular mechanisms of aggressive prostate cancer in males of African ancestry. New York, March 16, 2018.

Ogunwobi OO*. Invited presentation to Bard College. Title: MicroRNA-1207-3p in Prostate Cancer. Annandale, New York, March 1, 2018.

Ogunwobi OO*. Invited presentation to the College of Medicine, University of Ibadan, Nigeria. Title: Molecular medicine: challenges and opportunities. Ibadan, Nigeria, August 30, 2017.

Ogunwobi OO*. Invited presentation to the Department of Pathology, University of Ibadan, Nigeria. Title: Non-coding RNAs in solid organ cancers: prostate cancer as an example. Ibadan, Nigeria, August 23, 2017.

Ogunwobi OO*. Invited presentation to the Dental School, University of Ibadan, Nigeria. Title: Non-coding RNAs in solid organ cancers: prostate cancer as an example. Ibadan, Nigeria, August 22, 2017.

Ogunwobi OO*. Invited presentation to the Centre for Genomics and Precision Medicine, University of Ibadan, Nigeria. Title: Non-coding RNAs in solid organ cancers: prostate cancer as an example. Ibadan, Nigeria, August 17, 2017.

Ogunwobi OO*. Invited presentation to Lagos State University Teaching Hospital, Lagos, Nigeria. Title: MicroRNA-1207-3p in Castration-Resistant Prostate Cancer. Ibadan, Nigeria, August 16, 2017.

Ogunwobi OO*. Invited presentation to the Department of Medicine Grand Round, University of Ibadan, Nigeria. Title: Circulating tumor cell biology – a novel approach to elucidating the mechanisms of cancer metastasis. Ibadan, Nigeria, August 3, 2017.

Ogunwobi OO*. Invited presentation to the Department of Obstetrics and Gynecology Grand Round, University of Ibadan, Nigeria. Title: Non-coding RNAs in solid organ cancers: prostate cancer as an example. Ibadan, Nigeria, August 2, 2017.

Ogunwobi OO*. Invited presentation to the Department of Surgery Grand Round, University of Ibadan, Nigeria. Title: Non-coding RNAs in solid organ cancers: prostate cancer as an example. Ibadan, Nigeria, August 1, 2017.

Ogunwobi OO*. Invited presentation to the Institute of Advanced Medical Research and Training, College of Medicine, University of Ibadan, Nigeria. Title: MicroRNA-1207-3p in Castration-Resistant Prostate Cancer. Ibadan, Nigeria, July 26, 2017.

Ogunwobi OO*. Invited presentation to Bowen University Teaching Hospital, Ogbomoso, Nigeria. Title: MicroRNA-1207-3p in Castration-Resistant Prostate Cancer. Ibadan, Nigeria, July 25, 2017.

Ogunwobi OO*. Invited presentation to the American Urological Association Annual Meeting 2017. Title: PVT1 Non-Coding RNAs in Aggressive Prostate Cancer in Men of African Descent. American Urological Association Annual Meeting, Boston, Massachusetts, May 15, 2017.

Ogunwobi OO*. Invited presentation to the RCMI Translational Research Network (RTRN) Cancer Cluster Seminar. Title: PVT1 non-protein coding gene in aggressive prostate cancer in Black males. Webinar, February 2, 2017.

Ogunwobi OO*. Invited presentation to the RCMI Translational Research Network (RTRN) Research Coordinating Center and Data Coordinating Center meeting. Title: Non-coding RNA-based biomarker discovery for clinical applications in prostate cancer in males of African ancestry. Webinar, February 1, 2017.

Ogunwobi OO*. Invited presentation to the Inaugural Hunter College-CUNY/Weill Cornell Medicine Belfer Research Retreat. Title: PVT1 in prostate cancer in males of African ancestry & New initiative in cancer research and minority populations. New York, January 4, 2017.

Ogunwobi OO*. Invited presentation to the Prostate Cancer Working Group, Weill Cornell Medicine, Cornell University. Title: PVT1 non-coding RNAs in Prostate Cancer. New York, December 7, 2016.

Ogunwobi OO*. Invited presentation to the RCMI Translational Cancer Health Disparities seminar, City College of New York. Title: PVT1-derived non-coding transcripts in aggressive prostate cancer in males of African ancestry. New York, December 8, 2016.

Ogunwobi OO*. Invited presentation to the 29th Annual International Symposium of the Center for Translational and Basic Research (CTBR), Hunter College. Title: PVT1 Non-Coding RNAs in Prostate Cancer. New York, May 5, 2016.

Ogunwobi OO*. Invited presentation to the Research Centers in Minority Institutions (RCMI) Center for Environmental Health Distinguished Seminar Series, Jackson State University. Title: PVT1 non-coding RNAs in Prostate Cancer. Jackson, Mississippi, January 27, 2016.

Naidoo MK*, **Ogunwobi OO**. Invited presentation to the 2015 Annual Biomedical Research Conference for Minority Students (ABRCMS). Title: A Novel Polyisoprenylated Cysteinyl Amide Inhibitor, NSL-BA-055, Selectively Inhibits Proliferation of Hepatocellular Carcinoma Cells. Seattle, Washington, November 14, 2015.

Ilboudo A*, **Ogunwobi OO**. Invited presentation to the Science of Global Prostate Cancer Disparities Conference. Title: PVT1 exon 9 in prostate cancer aggressiveness in Black men. Montego Bay, Jamaica, November 8, 2014.

Ogunwobi OO*. Invited presentation to the Department of Biology, Brooklyn College, City University of New York, New York. Title: Elucidating the mechanisms of cancer metastasis using circulating tumor cell biology. New York, September 18, 2014.

Ogunwobi OO*. Invited presentation to the Department of Medicine, Weill Cornell Medical College, New York. Title: Elucidating the mechanisms of cancer metastasis using circulating tumor cell biology. New York, April 23, 2014.

Ogunwobi OO*. Invited presentation to the School of Public Health, City University of New York, New York. Title: In search of a biomarker of aggressiveness and disparity in prostate cancer. New York, April 23, 2014.

Ogunwobi OO*. Invited presentation to the inaugural Experimental Pathology Postdoctoral Symposium of the Department of Pathology, Immunology and Laboratory Medicine of the University of Florida. Title: Circulating tumor cell biology: a novel approach for elucidating the mechanisms of cancer metastasis. Gainesville, Florida, October 24, 2013.

Ogunwobi OO*. Invited presentation to the College of Pharmacy and Pharmaceutical Sciences, Florida A & M University. Title: Progression and metastasis in solid cancers: role of epigenetics. Tallahassee, Florida, June 27, 2013.

Ogunwobi OO*. Invited presentation to the Center for Study of Gene Structure and Function at Hunter College, City University of New York. Title: Circulating tumor cell biology - a novel approach to elucidating the mechanisms of cancer metastasis. New York City, May 6, 2013.

Ogunwobi OO*. Invited presentation to the Division of Oncology, Cincinnati Children's Hospital Medical Center. Title: Circulating tumor cell biology - a novel approach to elucidating the mechanisms of cancer metastasis. Cincinnati, Ohio, February 26, 2013.

Ogunwobi OO*. Invited presentation to the Border Biomedical Research Center, Dept. of Biological Sciences, University of Texas at El Paso. Title: Circulating tumor cell biology - a novel approach to elucidating the mechanisms of cancer metastasis. El Paso, Texas, January 31, 2013.

Ogunwobi OO*. Invited presentation for awardees of the Experimental Pathology Innovative Grant. Title: Mechanisms of metastasis in colon cancer. Gainesville, Florida, August 6, 2012.

Ogunwobi OO*. Invited presentation in preparation for the T-32 Training Grant in Cancer Biology Annual Symposium. Title: Epithelial-mesenchymal transition and immunomodulation in hepatocellular carcinoma. Gainesville, Florida, January 18, 2012.

Ogunwobi OO*. Invited presentation to the Department of Pathology, Immunology and Laboratory Medicine. Title: Epithelial-mesenchymal transition and immunomodulation in hepatocellular carcinoma. Gainesville, Florida, November 21, 2011.

Ogunwobi OO*. Invited presentation to the Department of Surgery, University of Ibadan, Ibadan, Nigeria. Title: Molecular and cellular medicine: insights from esophageal adenocarcinoma and hepatocellular carcinoma. Ibadan, Nigeria, September 12, 2011.

Ogunwobi OO*. Presentation to the University of Florida Liver Research Group. Title: Epithelial-mesenchymal transition in hepatocellular carcinoma. Gainesville, Florida, April 5, 2010.

Ogunwobi OO*. Invited presentation to the Department of Pathology, Immunology and Laboratory Medicine. Title: Epithelial-mesenchymal transition in liver cancers. Gainesville, Florida, December 7, 2009.

Ogunwobi OO*, Beales ILP. Oral presentation. Title: Globular adiponectin inhibits leptin-induced proliferation of oesophageal adenocarcinoma cells *in vitro*. United European Gastroenterology Week, Berlin, Germany, October 2006.

Ogunwobi OO*, Beales ILP. Oral presentation. Title: Leptin stimulates proliferation of oesophageal adenocarcinoma cells via upregulation of epidermal growth factor receptor ligands. United European Gastroenterology Week, Berlin, Germany, October 2006.

Ogunwobi OO*, Beales ILP. Oral presentation. Title: Leptin enhances the cell proliferative and antiapoptotic actions of acid in Barrett's adenocarcinoma. United European Gastroenterology Week, Copenhagen, Denmark, October 2005.

Ogunwobi OO*, Beales ILP. Oral presentation. Title: Statins inhibit proliferation of oesophageal adenocarcinoma cells. United European Gastroenterology Week, Copenhagen, Denmark, October 2005.

* Presenter

Poster presentations (selected)

Pal G, **Ogunwobi OO**. PVT1 exons 4A and 4B overexpressed in prostate cancer in black males regulate prostate epithelial cell proliferation and migration. 11th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, New Orleans, LA, November 2 – 5, 2018. (Pal G received a Scholar-in-Training Award supported by the National Cancer Institute's Center to Reduce Cancer Health Disparities in the amount of USD \$1000)

Naidoo MK, Levine F, Gillot T, Ali T, Krampis K, Orunmuyi K, Olapade-Olaopa EO, **Ogunwobi OO**. MicroRNA-1205 regulation of FRYL and aggressive prostate cancer in men of African ancestry. 11th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, New Orleans, LA, November 2 – 5, 2018. (Naidoo MK received a Scholar-in-Training Award supported by the National Cancer Institute's Center to Reduce Cancer Health Disparities in the amount of USD \$1000)

Zambrano C, Beeber M, Panitz A, Tan Y, Ma G, Navder K, Yeh M, **Ogunwobi OO**. Diet and risk of cancer in minority populations in New York City. 11th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, New Orleans, LA, November 2 – 5, 2018.

Naidoo MK, Das DK, Ilboudo A, Orunmuyi A, Ogun GO, Adebayo S, Olapade-Olaopa EO, **Ogunwobi OO**. MicroRNA-1205 as a tumor suppressor in castration resistant prostate cancer. American Association for Cancer Research Annual meeting; Chicago, Illinois, USA, April 14-18 2018 (Naidoo MK received Scholar-in-Training Award supported by the Prostate Cancer Foundation in the amount of USD \$1500).

Ogunwobi OO, Das DK, Orunmuyi A, Olapade-Olaopa EO. Two novel synthetic analogs of miR-1207-3p, NB5 and NB1207, target AR-V7 and c-MYC and demonstrate in vivo therapeutic efficacy in metastatic castrate-resistant prostate cancer (mCRPC).

The 25th Biennial Congress of the European Association for Cancer Research (EACR25), 30 June to 3 July 2018, Amsterdam, Netherlands.

Das DK, Osborne JR, Park JY, **Ogunwobi OO**. miR-1207-3p, a novel biomarker of aggressive prostate cancer, displays differential expression in Caucasian men versus men of African ancestry. An AACR Special Conference on Noncoding RNAs and Cancer: Mechanisms to Medicines, December 4-7, 2015; Boston Renaissance Waterfront Hotel, Boston, MA

Das DK, Ilboudo A, **Ogunwobi OO**. miR-1207-3p as a potential prostate cancer biomarker in Black males. Eighth AACR Conference: The Science of Cancer Health Disparities in Ethnic Minorities and the Medically Underserved, Atlanta, GA, USA, November 13-16 2015 (Das DK received Scholar-in-Training Award supported by Center to Reduce Cancer Health Disparities (CRCHD) of the National Cancer Institute in the amount of USD \$1850).

Ilboudo A, Das DK, **Ogunwobi OO**. PVT1 exon 9 is a potential non-invasive biomarker that regulates apoptosis and the cell cycle in aggressive prostate cancer in Black males. Eighth AACR Conference: The Science of Cancer Health Disparities in Ethnic Minorities and the Medically Underserved, Atlanta, GA, USA, November 13-16 2015.

Das DK, Ilboudo A, Osborne J, **Ogunwobi OO**. miR-1207-3p-induced downregulation of fibronectin is a novel regulatory pathway in prostate cancer. American Association for Cancer Research Annual meeting; Philadelphia, Pennsylvania, USA, April 18-22 2015.

Durojaiye V, Ilboudo A, Levine F, Osborne J, Park JY, **Ogunwobi OO**. miR-1205/FRYL as a novel regulatory mechanism in androgen-independent prostate cancer. American Association for Cancer Research Annual meeting; Philadelphia, Pennsylvania, USA, April 18-22 2015.

Ilboudo A, Ying C, **Ogunwobi OO**. *PVT1* exon 9 overexpression as a potential biomarker of prostate cancer in Black men. Seventh AACR Conference: The Science of Cancer Health Disparities in Ethnic Minorities and the Medically Underserved, San Antonio, TX, USA, November 9-12 2014.

Ogunwobi OO, Liu C. Circulating tumor cell miR-27a overexpression as a novel mechanism of hepatocellular carcinoma metastasis. American Association for Cancer Research Annual Meeting, San Diego, CA, USA, April 5-9 2014.

Membership of professional bodies

Fellow, New York Academy of Medicine
Member, American Association for Cancer Research
Member, African-Caribbean Cancer Consortium
Member, American Heart Association

Teaching Experience

Guest Instructor, <u>PHA 6935</u> : Current Topics on Health College of Pharmacy University of Florida	2020
Instructor, <u>BIOL 47117</u> : Clinical Trials Department of Biological Sciences Hunter College, City University of New York	2020-2023
Instructor, <u>BIOL 35000</u> : Biology of Cancer Department of Biological Sciences Hunter College, City University of New York	2015-2023
Guest Instructor, <u>BIOL 71400</u> : Cell Biology Department of Biological Sciences Hunter College, City University of New York	2015
Instructor, <u>BIOL 47130</u> : Biology of Cancer Progression Department of Biological Sciences Hunter College, City University of New York	2014-2023
Guest Instructor, <u>BIOL 79302</u> : Spring 2014 Seminar in Molecular, Cell and Developmental Biology PhD Biology Program The Graduate Center, City University of New York	2014-2023
Co-Instructor, GMS 6903: Abstract and Manuscript Writing for the Clinician/Scientist, University of Florida, Gainesville, Florida.	2013
Problem based learning (PBL) tutor, School of Medicine, University of East Anglia, Norwich, United Kingdom.	2005 - 2008
Communication skills tutor, School of Medicine, University of East Anglia, Norwich, United Kingdom.	2006 - 2008

Mentoring Experience

Previous mentees:

Postdoctoral Fellow

Gargi Pal (Hunter College, City University of New York, New York; progressed to Medical Writing Consultant at IQVIA)

Adeodat Ilboudo (Hunter College, City University of New York; joined Faculty at Bard Early College, New York)
Chidiebere Awah (Hunter College Center for Cancer Health Disparities Research; now at UTR Therapeutics Inc)

PhD Students

Michelle Naidoo (City University of New York; progressed to NIH-funded postdoctoral fellow at Weill Cornell Medicine)
Dibash Das (City University of New York; progressed to Associate Director, Medical Communications at Haymarket Medical Network)
Jeanette Huaman (City University of New York, New York; progressed to Associate Medical Director at Imprint Science, VMLY&R)
Trisheena Harricharran (City University of New York, New York; progressed to Lecturer at Hunter College)

Master's Students

Bachelard Dieujeuste (Hunter College, City University of New York; now in the Genetics, Development and Stem Cells (GDSC) PhD program at University of Rochester School of Medicine and Dentistry)
Onayemi Onagoruwa (Hunter College, City University of New York, New York)
Fayola Levine (Hunter College, City University of New York, New York; accepted into the Biology PhD program at State University of New York Downstate Medical Center)
Sulaiman Abdelrahman (Hunter College, City University of New York; now a Pharmacist at Atlantic Health System, New Jersey)
Kiseok Yang (Hunter College, City University of New York)
Kamran Khan (Hunter College, City University of New York, New York)
Oluwatoyin Odumuwa (Hunter College, City University of New York, New York)

Postbaccalaureate Students

Adithya Kumar (Hunter College, City University of New York, New York; transitioned into University of Cincinnati Medical School in summer 2020)
Pascal Dubois (Hunter College, City University of New York, New York)
Laura Figueroa (Hunter College, City University of New York; now a Clinical Research Coordinator at Memorial Sloan Kettering Cancer Center)
Yana Glemaud (Hunter College, City University of New York, New York)
Hiram Caraballo (Hunter College, City University of New York, New York)

Undergraduate Students

Aneesa Razak (Hunter College, City University of New York, New York; now a Research Technician at Columbia University)
Mariya Kasiyanyk (Hunter College, City University of New York, New York)
Caprielle Peters (Hunter College, City University of New York, New York)
Andrew Fu (Hunter College, City University of New York, New York)
Anna O'Neil (Hunter College, City University of New York, New York; McNulty Scholar; accepted into Medical School)

Cristina Zambrano (Hunter College, City University of New York, New York; became a Research Education Coordinator; and now at Touro School of Osteopathic Medicine)
Cuong Bach (Hunter College, City University of New York, New York)
Helen Orins (Hunter College, City University of New York, New York)
Ubayed Muhith (Hunter College, City University of New York, New York; Undergraduate Research Fellow; now medical student at NYIT College of Osteopathic Medicine)
Michelle Naidoo (Hunter College, City University of New York; became a PhD student at City University of New York; now a Postdoc at Weill Cornell Medicine)
Ankita Dutta (Hunter College, City University of New York, New York; now a PhD student at City University of New York)
Ton Wang (University of Florida, Gainesville, FL; transitioned to Brown University Medical School)
Victoria Durojaiye (Hunter College, City University of New York, New York; now in Medical School)
Jazmine Joseph (Hunter College, City University of New York, New York, now a PhD student at Albert Einstein School of Medicine)
Michelle Koifman (Hunter College, City University of New York, New York; now in Internal Medicine Residency, Brooklyn, New York)
Tamara Gillot (Hunter College, City University of New York, Undergraduate Research Fellow)
Fayola Levine (Hunter College, City University of New York, New York; accepted into the Biology PhD program at State University of New York Downstate Medical Center)
Omar Dibba (Hunter College, City University of New York, New York; LSAMP Scholar)
Oreoluwa Alatishe (Hunter College, City University of New York, New York)
Akinbayo Caulcrick (Hunter College, City University of New York; now a Forensic Scientist)
Deepshikha Kewlani (Hunter College, City University of New York)
Camille Derderian (Hunter College, City University of New York)
Eric Song (Hunter College, City University of New York, New York)
Afrin Ansary (Hunter College, City University of New York, New York)
Nafeeza Ali (Hunter College, City University of New York, New York)
Fatima Galal El-Din (Hunter College, City University of New York, New York)

High School Students

Omoyele Okunola (Howard Hughes Medical Institute, Hunter Science High School Summer Intern)
Jade Basem (New York University GSTEM program)
Sam Donohoe (Packer Collegiate Institute, New York, New York)
Katya Hernandez Zirowski (Packer Collegiate Institute, New York, New York)

Current mentees:

Faculty

Timothy D. McClure, MD (Weill Cornell Medicine, New York)
Akinfemi Akingboye, MBBS, MD, FRCS (The Dudley Group Hospitals, United Kingdom)
Leng Chee Chang, PhD (University of Hawai'i at Hilo)

Akintunde Orunmuyi, MBBS, FCNP, MMed (University of Ibadan, Nigeria)
Amos Abolaji, PhD (University of Ibadan, Nigeria)
Akinyele Adisa, BDS, FMCDS (University of Ibadan, Nigeria)

Postdoctoral Fellow

Rachel Sexton-Bonacci (Michigan State University)
Cicely Johnson (Hunter College Center for Cancer Health Disparities Research)
Fahad Mahmood, MBBS, PhD, MRCS (Department of General Surgery, Queen Elizabeth Hospital Birmingham, Birmingham, United Kingdom)
Baris Boylu (Michigan State University)

PhD Students

Chinedum Udekwu (Michigan State University)
Priyanka Ghosh (Hunter College, City University of New York)

Master's Students

Genevieve Fasano, MD (Weill Cornell Medicine, New York)
Solange Bayard, MD (Weill Cornell Medicine, New York)