



## Fredrick Harris, Ph.D., DDS



### EDUCATION

2020 - 2022	<b>Pediatric Dental Resident, Chief Resident</b> (2021-2022) St. Joseph University Medical Center - Paterson, NJ	Certificate
2019 - 2020	<b>General Practice Residency</b> University of Tennessee Medical Center at Knoxville – Knoxville, TN	Certificate
2015 - 2019	<b>Doctor of Dental Surgery</b> University of North Carolina School of Dentistry – Chapel Hill, NC	D.D.S.
2008 - 2014	<b>Doctor of Philosophy, Biochemistry and Cancer Biology</b> Meharry Medical College – Nashville, TN	Ph.D.
2003 - 2008	<b>Bachelor of Science, Chemistry</b> Vanderbilt University – Nashville, TN	B.S.

### HOSPITAL PRIVILEGES

2022 - Present	<b>Newark Beth Israel Medical Center</b>	Newark, NJ
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### FEDERAL GRANTS

2022 - Present	<b>NIH/NCI R25CA136440 Grant</b> Principle Investigator: "Molecular Determinants of Lung Cancer Progression: Functional Implications of the Acyl-Coenzyme A Binding Protein (ACBP) in Lung Cancer Progression"
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### RESEARCH EXPERIENCE

2021 - 2022	Oral Health Literacy Among Hispanic Adults in Paterson, New Jersey
2017 - 2018	Periodontal Bacteria Drives Oxidative Stress in HPV16+ Cancer
2011 - 2014	Functional Implications of ACBP in Lung Cancer Progression
2009 - 2010	ZNF3 Domain of Human Slug Protein
2007 - 2008	Phospholipase D (PLD) and its Role in Cancer Invasiveness



## PEER-REVIEWED JOURNAL ARTICLES

- 2015 Hassanein M, Qian J, Hoeksema MD, Wang J, Jacobovitz, M, Ji X, **Harris FT**, Harris BK, Boyd KL, Chen H, Eisenberg R, Massion PP. Targeting SLC1A5-Mediated Glutamine Dependence in Non-Small Cell Lung Cancer. International Journal of Cancer (Int. J. Cancer). PMID: 25821004
- 2015 Qian J, Hassanein M, Hoeksema MD, Harris BK, Zou Y, Chen H, Lu P, Eisenberg R, Wang J, Espinosa AV, Jia, X, **Harris FT**, Rahman Jamshedur SM, Massion PP. The RNA Binding Protein FXR1 is a New Driver in the 3q26-29 Amplicon and Predicts Poor Prognosis in Human Cancers. Proceedings of the National Academy of Sciences (Proc. Natl. Acad. Sci. U.S.A.). PMID: 25733852
- 2014 **Harris FT**, Rahman Jamshedur SM, Hassanein M, Qian J, Hoeksema MD, Chen H, Eisenberg R, Chaurand P, Caprioli R, Shiota M, Massion PP. ACBP Mediates Beta Oxidation Required for Non-Small Cell Lung Cancer Cell Growth and Survival. Cancer Prevention Research (Cancer Prev. Res.). PMID: 24819876
- 2012 Ocak S, Pedchenko TV, Chen H, Qian J, Polosukhin V, **Harris FT**, Pilette C, Sibille Y, Gonzalez AL, Massion PP. Loss of Polymeric Immunoglobulin Receptor Expression Promotes Lung Tumorigenesis. European Respiratory Journal (Eur. Respir. J.). PMID: 21965228



## LICENSURES AND MEMBERSHIPS

Active	CDS and DEA License (New Jersey)
Active	New Jersey Dental License – Pediatric Dental Specialty
Active	New Jersey Medicaid Provider License
Active	Connecticut Dental License
Active	New York State Dental License
2021 - 2022	IV Sedation Certificate
2020 - Present	American Academy of Pediatric Dentistry (AAPD) – APBD Board Eligible Status
2020 - Present	AAPD Resident's Committee Member
2017 - Present	Delta Sigma Delta Dental Fraternity
2015 - Present	Academy of General Dentistry (AGD)
2015 - Present	American Dental Association (ADA)
2012 - Present	Sigma Xi, The Scientific Research Society
2009 - Present	American Association for Cancer Research (AACR)
2004 - Present	Kappa Alpha Psi Fraternity, Inc., - Life Member

## HONORS

2018	UNC Dental Alumni Association Scholarship
2017 - 2018	Commendations for Outstanding Patient Management
2017	George G. Dudley Award
2017	Dr. Mark Hyman Family Student Travel Award
2014	George Henry Howard Memorial Scholarship
2014	58th Meharry Medical College Research Day 1st Place Poster
2013	Charles W. Johnson, M.D. Award – Grand Prize in Research
2013	12 Annual Meharry-Vandy-TSU U54 Cancer Best Poster
2013	Gertrude Vanderbilt Scholarship
2013	Lanier Scholarship

## DENTAL OUTREACH

2020	<b>Anderson County Extraction Clinic Volunteer</b> Provided extraction services at Anderson County Emory Valley Volunteer Clinic (one day)	Oak Ridge, TN
2018	<b>Student Health Action Committee Dental Clinic Volunteer</b> Provided free dental services to the local community (two nights)	Chapel Hill, NC
2017 - 2018	<b>Special Olympics (Special Smiles) Volunteer</b> Fabricated mouth guards for Special Olympic athletes (two days)	Raleigh, NC
2017 - 2018	<b>CAARE Inc., Clinic</b> Provided free dental services to the local community (five nights)	Durham, NC
2017 - 2018	<b>Wakebrook Dental Clinic</b> Provided free dental services to patients dealing with mental health disorders	Raleigh, NC
2017	<b>Give Kids A Smile</b> Fluoride Advocacy (Carrboro, NC) – served as station coordinator teaching kids preventive brushing habits (one day)	Chapel Hill, NC
2012 - 2014	<b>West Nashville United Methodist Church</b> Helped prepare meals for the homeless (once every two months)	Nashville, TN
2012	<b>Habit for Humanity Construction Build</b> Aided in home construction build (one day)	Nashville, TN

## DENTAL EXTERNSHIPS

2018	<b>Winslow Indian Health Care Center</b> Four-week (7/30–8/25) general dentistry-based rotation serving Native American tribes (Navajo and Hopi Indian tribes)	Winslow, AZ
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2018	<b>Cherokee Indian Health Services</b> Week-long (7/15–7/18) pediatric based rotation focused on pediatric restorative needs	Cherokee, NC
2018	<b>Alamance County Children’s Dental Health Center</b> Four-week (6/4–6/29) pediatric based rotation, focused on pediatric restorative needs	Burlington, NC
2017	<b>Project Uganda</b> Seventeen-day (7/14–7/31) rotation in Africa providing dental services in rural villages. (Uganda has a dentist to patient ratio of 1 : 175,000 with a population of over 45 million people)	Uganda, Africa



## COMMUNITY ENGAGEMENT

2021	<b>Article in “Pediatric Dentistry Today” Magazine</b> “A Hidden Healthcare Crisis” - Sept. 2021 Vol. LVI No. 5 Edition	Paterson, NJ
2018	<b>Student National Dental Association (SNDA)</b> Community Service Committee	Chapel Hill, NC
2017 - 2018	<b>American Student Dental Association (ASDA)</b> Legislative Committee Chair	Chapel Hill, NC
2017 - 2018	<b>Summer Little League Baseball Coach (9-10 Year Old)</b> Affectionately known as ‘Coach K’	Nashville, TN
2017 - 2018	<b>Leadership League</b> Planning Board Chairman – Focused on training young men in 8-12 grade for leadership roles (test preparation, interview skills, etc.)	Nashville, TN
2017	<b>Achievement Academy – Co-Chairman</b> Mentoring program encompassing Kentucky, Tennessee, and Northern Mississippi. Sought to enhance the representation of minorities in graduate and professional schools	Nashville, TN