

Tamaro Hudson, Ph.D., M.P.H, M.S.

Tamaro Syton Hudson, Ph.D., M.P.H., M.S.

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SUMMARY: My focus while at Howard University has been to evaluate new chemopreventive strategies that employ bioactive compounds with low toxicity and to understand how these compounds act to suppress, delay, or reverse tumorigenesis in preclinical and clinical prostate cancer models. In addition, my lab focuses on identifying novel biomarkers that could have a significant impact on both the diagnosis and targeted treatment of prostate cancer. My extensive research training in natural products and prostate cancer has advanced my knowledge about the use of bioactive compounds and identification of biomarkers in preclinical cancer models that has led to significant findings. I completed a cancer prevention fellowship at the NCI, where I focused on utilizing *in vitro* and *in vivo* cancer models to assess the biological activity of bioactive compounds on prostate cancer molecular pathways. My graduate career focused on evaluating the functional differences among isothiocyanates in the rat esophageal tumor model. Subsequently, my postdoctoral training focused on evaluating the biological activity of bioactive compounds in cell culture and preclinical prostate cancer models. Since joining the Howard faculty, I have continued with these research interests, specifically the impact of natural products on prostate cancer models of progression. My research interest continues to expand as I try to build collaborations that will broaden across disciplines that could help me make an impact in translational research.

EDUCATION:

2003 George Washington University School of Public Health, Washington, DC
Master's of Public Health, Epidemiology/Biostatistics Track
M.P.H. Project: *Dietary Fiber Intake: Assessing the Degree of Concordance between the Food Frequency Questionnaire and 4-Day Food Record in the PPT Cohort*

2002 The Ohio State University School of Public Health, Columbus, OH
Doctor of Philosophy
Department of Environmental Health Sciences
Dissertation: *Functional Differences Among Isothiocyanates in the Rat Esophageal Tumor Model*

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- 1997 The Ohio State University College of Preventive Medicine, Columbus, OH
Master's of Science
Department of Environmental Health Sciences
Thesis: *Investigation of the Enhancement of NMBA-Induced Esophageal Tumorigenesis By 6-Phenylhexyl isothiocyanate*
- 1994 Iowa State University College of Arts and Sciences, Ames, IA
Bachelor of Science, Major: Biology, Minor: Black Studies

RESEARCH/WORK/EXPERIENCE:

- 2012-Present **Research Health Specialist**
Department of Research
Veterans Administration Medical Center
Washington, DC
Research Interest: Develop biomarker risk prediction models for prostate cancer.
- 2007-Present Assistant Professor
Clinical Translational Investigator
College of Medicine
Department of Pharmacology
Howard University Cancer Center
Washington, DC
Research Interest: Utilize preclinical animal models to assess the biological activity of bioactive compounds on molecular pathways.
- 2009-Present Adjunct Assistant Professor
Department of Oncology
Johns Hopkins Medicine
Baltimore, MD
Research Interest: Develop clinical trials that evaluate the biological activity of natural compounds on prostate cancer progression.
- 2002-2007 **NCI Cancer Prevention Fellow**
Division of Cancer Prevention and Center for Cancer Research,
Laboratory of Cell Regulation and Carcinogenesis, National Cancer Institute, National Institute of Health, Bethesda, MD
Project: Evaluated the Functional Role of Selenoproteins in Mammary Carcinogenesis: Genetic Approach
- 1997-2002 **Graduate Research Associate**
The Ohio State University School of Public Health
Division of Environmental Health Sciences, Columbus, OH

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- 1996-1997 **Graduate Administrative Associate**
The Ohio State University
Department of Minority Affairs, Frank Hale Black Cultural Center
Columbus, OH
- 1994 **Biomedical Resident Advisor**
Iowa State University, Biomedical Science Summer Program
Department of Biomedical Science, Ames, IA
- 1993-1994 **Undergraduate Research Assistant**
Iowa State University, Food Science Human Nutrition Department
Ames, IA
- 1991 **Biological Aide**
United States Department of Agriculture, Summer Intern Position
National Animal Disease Center: Respiratory Unit, Ames, IA

ACADEMIC SERVICE:

- Department of Defense Scientific Grant Review: December 2019
- Department of Defense Scientific Grant Review; December 2018
- Reviewed manuscripts for Heliyon Journal, 2019
- Department of Defense Scientific Grant Review; December 2017
- Department of Defense Grant Review Chairperson: December 1st, 2016
- Department of Defense Grant Review Chairperson: November 15th, 2015
- Veterans Administrative-HBCU Reviewer: August 7th, 2015
- Department of Defense Scientific Reviewer: September 2014
- Veterans Administrative-HBCU Reviewer: August 6th, 2014
- Educational liaison of Howard-Hopkins Partnership Grant: 2007-2012
- Committee Member of Howard-Hopkins Integrative Oncology course: 2007-2012
- Department of Defense Scientific Reviewer: Prevention Treatment and Epidemiology Award study section: May 7th – June 6th, 2012
- Department of Defense Scientific Reviewer: Prevention Treatment and Epidemiology Award study section: August 1st – 3rd, 2010
- Department of Defense Scientific Reviewer: Population-Based Idea Award study section: July 29th -31st, 2009
- Department of Defense Scientific Reviewer: Idea Development Award study section: September 3rd -5th, 2008
- Department of Defense Scientific Reviewer: Synergistic Idea Development Award study section :August 12th -14th, 2007
- Reviewed manuscripts for Plos, 2011
- Reviewed manuscripts for Journal of Cancer Investigations, 2010
- Reviewed manuscripts for the Journal of Carcinogenesis, 2008, 2009
- Chaired the Howard University Cancer Center seminar series: 2007-2008

TEACHING EXPERIENCE:

Department of Pharmacology: Lectured; Medical Students, OS1: Anti-viral Agents, Chemotherapeutics, and Pharmacogenetics, Summer 2018 and 2019
Department of Pharmacology: Lectured; Medical Students, OS1: Anti-viral Agents, Summer 2017
Department of Pharmacology: Lectured; Pharmacology Therapeutics II: Anti-viral Agents, Fall 2017
Department of Pharmacology: Lectured; Medical Students, OS1: Anti-viral Agents, Summer 2017
Department of Pharmacology: Coordinator and Lectured: Research Methods, Spring 2017
Department of Pharmacology: Lectured; Dentistry: Chemotherapeutic Cancer Agents, Spring 2016
Department of Pharmacology: Lectured; Physician Assistant: Anti-viral Agents, Fall 2016
Department of Pharmacology: Lectured; Medical Students, OS1: Anti-viral Agents, Summer 2015
Department of Pharmacology: Lectured; Dentistry: Chemotherapeutic Cancer Agents, Spring 2015
Department of Pharmacology: Lectured; Physician Assistant: Anti-viral Agents, Fall 2015
Department of Pharmacology: Lectured; Pharmacology Therapeutics II: Anti-viral Agents, Fall 2015,
Department of Pharmacology: Lectured; Pharmacology Therapeutics II: Anti-viral Agents, Fall 2014,
Department of Pharmacology: Lectured; Pharmacology Therapeutics II: Anti-viral Agents, Fall 2013,
Department of Pharmacology: Lectured; Pharmacology Therapeutics II: Anti-viral Agents, Spring 2013
Department of Genetics: Lectured; Introduction to Cancer Epidemiology, Fall 2012
Department of Pharmacology: Lectured; Pharmacology Therapeutics II: Anti-viral Agents, Fall 2012
Howard University National Human Genome Center: Prostate Cancer Genomics in Diagnostics, Treatment, Risk Reduction, and Prevention, Summer 2012
Department of Microbiology: Lectured; Special Topics in Molecular biology, Spring 2009
Department of Microbiology: Lectured; Cancer Genomics: Nutrition and Cancer, Summer 2009

MENTORING ACTIVITIES:

PhD Dissertation Advisor:

- May 2017: Department of Genetics, Human Genetics: Jabril Rahim Johnson: Effects of Single Nucleotide Polymorphisms (SNPs) on RNASEL-Mediated Induction of Apoptotic Genes and Their Association with Sporadic Prostate Cancer Risk

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- July 2015: Department of Pharmacology: Martha Gay: Annexin II, Serine Protease Inhibitor Kazal Type-1 and Prostate Cancer Antigen-3 as Therapeutic Targets for the Conventional Treatment of Advanced Prostate Cancer
- July 2014: Department of Microbiology: Ezra Hackett: Potential Inhibition of heat Shock Protein 90 by Muscadine Grape Skin Extract in Metastatic Prostate Cancer
- May 2014: Department of Chemistry (Co-Advisor): Malik Lewis: Synthesis and Anticancer Evaluation of Novel Dithiocarbamate Ester, Urea, Thiourea, and Fatty Amide Derivatives of N-Nutyl-3,4,5-trimethoxybenzylamine against PC-3 Prostate Cancer Cell Line
- May 2014: Department of Microbiology: Kimberly Mason: An Analysis of the Vitamin D Binding Protein Gene Variants and Associated Risks for Prostate Cancer Among African American Men

PhD Committee Member:

- May 2014: Department of Genetics and Human Genetics: Rana Tayseer Tbaishat: Evaluation and Validation of Novel ZNF783 as A Tumor Suppressor Gene in Prostate Cancer

M.S. Committee Member:

- May 2015: Department of Anatomy: Morgan Wood: Male Microchimerism in Breast Cancer Among African American Women

COMMUNITY ENGAGEMENT:

Howard University Cancer Center Community Outreach Program:

- Howard University Men's Take Ten, Men's Health Awareness Club, Washington DC: 2016
- Presentation on Benefits of Cancer Screening: Oasis Senior Center, Washington DC: 12/18/2015
- Presentation on Prostate Cancer Screening: 8/26/2015-Department of Transportation, 1200 New Jersey Ave. SE WDC 20590
- Presentation on Prostate Cancer Screening: 8/5/2014-DC Long-Term Care Program (AARP)-601 E. Street NW. WDC 20049
- Presentation on Prostate Cancer Screening: 6/11/2014- Department of Transportation, 1200 New Jersey Ave. SE WDC 20590
- Presentation on Prostate Health: 6/7/2014-Walk 2 Win Event-Haines Point/East Potomac Park
- Presentation on Prostate Health: 6/1/2013- The Word of God Baptist Church- 1512 K St. SE WDC 20003
- Presentation on Prostate Cancer Screening: 19th Street Baptist Church-4606 16th Street NW WDC 20011

LEADERSHIP EXPERIENCE:

Board Member, RCMI Advisory board member, 2019-Present

- Advise on the HU RCMI grant direction

Howard University Task Force Member, Howard University Task Force committee, 2019

- Evaluated Howard Universities chemistry and economic programs

Tamaro Hudson, Ph.D., M.P.H, M.S.

Committee Member, Sabbatical Leave Review Committee, 2017-Present

- Review faculty application for Sabbatical leave

Committee Member, Chair of College of Medicine Student Grievance Committee, 2017

- Direct the meeting
- Review grievances presented by Medical Students

Committee Member, Research Day Committee, 2016-present

- Responsible for reviewing abstracts
- Help in coordinating logistics

Committee Member, Department of Pharmacology Graduate Committee, 2013-present

- Responsible for reviewing applications for Department of Pharmacology
- Review Pharmacology Graduate Curriculum

Board Member, PepVax, Inc., Company involved with developing peptides through bioinformatics approaches for different diseases, 2012-Present.

- Responsible for reviewing research protocols
- Write and review grant proposals
- Develop training initiatives between PepVax and Howard University Cancer Center

Committee Member, U54 Grant Steering Committee, Education-liaison, 2007-2011

- Responsible for education programing
- Monitor Graduate and Junior faculty progress

Co-Director, Howard-Hopkins Graduate and Medical School Scholars Summer Research Program, 2007-2012

- Developed educational and research opportunities for pre-doctoral students
- Increase pipeline for minorities in biomedical cancer research
- Developed initiatives targeted at improving cancer training at Howard University Cancer Center

Committee Member, Chair of Retreat Committee, National Cancer Institute, Center for Cancer Research Fellows and Young Investigators Association, 2004- 2007

- Developed programs in cooperation with NCI staff and administrators to enhance the training environment for postdoctoral fellows and young investigators
- Represented the interest of postdoctoral fellows and young investigators at NCI

HONORS/RECOGNITION:

Awarded the American Association for Cancer Research-Minority-Serving Institution Faculty Scholar in Cancer Research Awards Program 2014

Awarded the American Association for Cancer Research-Minority-Serving Institution Faculty Scholar in Cancer Research Awards Program 2008

Awarded the American Association for Cancer Research Scholar-in-Training Award for Frontiers in Cancer Prevention Research conference (supported by AFLAC) October 2006

Awarded the Federal Technology Transfer Award September 2006

Awarded the NIH Merit Group Award June 2006

CV updated 10/1/19

Tamaro Hudson, Ph.D., M.P.H, M.S.

Awarded the NIH FARE (Fellows Award for Research Excellence) Award August 2006

Awarded the National Cancer Institute Cancer Prevention Fellowship beginning June 2002

Selected to attend the American Association for Cancer Research 2004 Edward A. Smuckler Memorial Pathobiology of Cancer Workshop, July 18-25, 2004

Awarded the Minority National Cancer Institute Supplemental Grant beginning 1999

PROFESSIONAL SOCIETIES:

American Association for Cancer Research (member since 2004)

Maryland Fragile X Resource Group (member since 2002)

Ohio Valley Society of Toxicology (member since 2000)

National Postdoctoral Association (2004-2007)

ABSTRACTS:

HOWARD UNIVERSITY:

Clinton Burnside, Carla Williams, Radhika Kakarla, Stephanie Purnell, Theresa Vaughn, Cherie Spencer, **Tamaro Hudson**, Teletia Taylor, Ali Ramadan, Adeyinka Laiyemo, Pamela Coleman, The impact of the US preventive task force recommendation against prostate screening on utilization of the Howard University Cancer Center's "Men Take Ten" prostate cancer screening program

Presented: AACR Conference, September, 2017

Farhan Khan, Luisel Ricks-Santi, PhD, **Tamaro Hudson**, PhD, Desta Beyene, PhD Tammey Naab, MD, HSP27 Expression Associated with Luminal Subtypes of Breast Ductal Carcinomas in African American Women

Presented: ASCP Conference, September 2016

Farhan Khan, Luisel Ricks-Santi, PhD, **Tamaro Hudson**, PhD, Desta Beyene, PhD Tammey Naab, MD, HSP90 Expression Associated with HER2 Overexpressing Breast Ductal Carcinomas in African American Women

Presented: ASCP Conference, September 2016

Channing Judith Paller, Michelle A. Rudek, Emmanuel S. Antonarakis, Mario A. Eisenberger, Hans J. Hammers, Xian Chong Zhou, Donna Dowling, Serina King, Susan Hudock, Samuel R. Denmeade, William D. Wagner, Gary L. Rosner, **Tamaro Hudson**, Michael Anthony Carducci., A phase II trial of muscadine grape skin in men with biochemically recurrent prostate cancer.

Presented: ASCO Conference, March, 2016

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Alexandria E. Wells, Muneer Abbas, **Tamaro Hudson**, Targeted Sequence Polymorphism Selection of Magnese Superoxiden Dismutase, Apototic, and DNA Repair Genes using HapMap and F-SNP for a Phase II Clinical Trial
Presented: Howard University College of Medicine Conference, August, 2015

Ignacio, D., Alleyne, T., Peter, S., **Hudson, T.**, Arrindell, D., Walcott, S., Maxwell, A., Prostate Cancer: Anti-Cancer Potential of A Tropical Plant
Presented: Cancer Tobago Conference, June, 2015

Channing Judith Paller, Michelle A. Rudek, Emmanuel S. Antonarakis, Mario A. Eisenberger, Hans J. Hammers, Xian Chong Zhou, Donna Dowling, Serina King, Susan Hudock, Samuel R. Denmeade, William D. Wagner, Gary L. Rosner, **Tamaro Hudson**, Michael Anthony Carducci., A phase I trial of muscadine grape skin in men with biochemically recurrent prostate cancer.
Presented: ASCO Conference, March, 2014

Hudson, T., Naab, T., Blackman, M., Esnakula, A., Kanarek, N., The Use of Bi-directional Biomarkers, Annexin 2 and SPINK1 as Clinical Predictors of Advance Prostate Cancer in African American Men
Presented: American Association for Cancer Research: Prostate Cancer, January, 2014

Ezra Hackett, Jeffrey Green, **Tamaro Hudson**. Potential Inhibition of Heat Shock Protein90 Function by Muscadine Grape Skin Extract.
Presented: 10th Annual National Prostate Cancer Symposium, Clark Atlanta University, March 2014

Kimberly Mason, Desta Beyene, Yasmine Kanaan, **Tamaro Hudson**. An Analysis of the Vitamin D Binding Protein Gene Variants and Associated Risks for Prostate Cancer Among African American Men.
Presented: Howard University Research Symposium, April 2014

Kwame Doh, **Tamaro Hudson** and Dexter L Lee. Peroxisome proliferator activated receptor – alpha regulation of sodium transport mechanisms in human primary renal proximal tubule epithelial cells during acute Angiotensin II treatment
Presented: FASEB, April 2013

Ezra Hackett, Jeffrey Green, **Tamaro Hudson**. Microarray Analysis of Metastatic Prostate Cancer Cells Treated with Muscadine Grape Skin Extract.
Presented: University of Maryland Eastern Shore Graduate Research Symposium, April 2013

Ignacio, D, Mason, K, Hackett, E, Albanese, C, Wagner, W, Hartle, D, Green, J, Ringer, L, **Hudson, T.** Muscadine Grape Skin Extract Inhibit Androgen Independent Prostate Cancer Growth and Migration by Targeting Heat Shock Proteins.
Presented: Howard University Graduate School Research Day, April 4th, 2011

Tamaro Hudson, Ph.D., M.P.H, M.S.

Hudson, T, Wang, T., Wang, T-C, Kim, Perkins, S., and Hursting, S. Phenethyl Isothiocyanate inhibits the Growth of Androgen-Dependent Transplantable Human Prostate Tumors that Correlates with a Decrease in CD31 a Marker of Angiogenesis Presented: American Association for Cancer Research on the Science of Cancer Health Disparities, November 28, 2007

OTHER INSTITUTIONS:

Hudson, T.S. Nunez, N, Hurstings, S, Green, J. Alternate Chemopreventive Mechanisms of Action of Resveratrol and Muscadine Grape Extract in Prostate Cancer Presented: American Association for Cancer Research: Frontiers in Cancer Prevention, November 1, 2005

Hudson, T.S., Carlton, P.S., Gupta, A., Stoner, G.D., Morse, M.A. Investigation of the Enhancement of NMBA-Induced Esophageal Tumorigenesis by 6-Phenylhexyl Isothiocyanate Presented: The Ohio State University Comprehensive Cancer Center Third Annual Scientific Meeting, January 24, 2001

Hudson, T.S., Carlton, P.S., Gupta, A., Stoner, G.D., Morse, M.A. Investigation of the Enhancement of NMBA-Induced Esophageal Tumorigenesis by 6-Phenylhexyl Isothiocyanate Presented: American Association for Cancer Research, April 4, 2000

Hudson, T.S., Carlton, P.S., Gupta, A., Stoner, G.D., Morse, M.A. Investigation of the Enhancement of NMBA-Induced Esophageal Tumorigenesis by 6-Phenylhexyl Isothiocyanate Presented: Edward F. Hayes Graduate Research Forum at Ohio Sate University, April 15, 2000

Hudson, T.S., Carlton, P.S., Gupta, A., Stoner, G.D., Morse, M.A. Investigation of the Enhancement of NMBA-Induced Esophageal Tumorigenesis by 6-Phenylhexyl Isothiocyanate Presented: Ohio Valley Society of Toxicology Meeting, October 13, 2000

PRESENTATIONS:

Invited to Present at Howard University Department of Pharmacology Seminar Series: The Importance of Pharmacogenetics When Assessing the Biological Efficacy of Natural Products in Prostate Cancer, February 13th, 2019

Invited to Present at VA Diversity Summit: My Journey As The First Recipient of VA-HBCU RSTP, June 27th, 2017, Meharry University College of Medicine

Invited to Present at Howard University Math Department Seminar Series: Using Gene Expression Data for Prediction of Prostate Cancer disease Status, February 17, 2017

Tamaro Hudson, Ph.D., M.P.H, M.S.

Invited to Present at NIH-NCI Cancer Prevention Fellowship Program: Utilizing Biomarker Signature Pairs to Develop Gene Therapeutic Viral Delivery Platforms For Treating Prostate Cancer, October 24th, 2017

Invited to Present at University of Baltimore MD: The Capability of Biomarkers To Be Developed Into Therapeutic Viral-Gene Constructs, September 14, 2017

Invited to Present at University of Baltimore MD: The Capability of Biomarkers To Be Developed Into Therapeutic Viral-Gene Constructs, September 14, 2017

Invited to Present at Howard University Multidisciplinary Gerontology Center: The Here and Now of Prostate Cancer Screening, Howard University Social Work as a Frontline to Chronic Disease Management Seminar Series, October 21st, 2015

Invited to Present at Nigerian Association of Pharmacists and Pharmaceutical Scientists In the Americas. The Phase II Study of the Efficacy and Toxicity of Muscadine Grape Skin Extract in the Treatment of Prostate Cancer, Kissimmee, FL, September 20th, 2014

Invited to Present at Caribbean Academy of Sciences 2014 Biennial Conference. The Efficacy and Toxicity of Muscadine Grape Skin Extract in Treatment of Men with Biochemical Recurrence, Trinidad and Tobago, November 22nd, 2014

Invited to Present at The University of West Indies Department of Preclinical Sciences Seminar Series. The Chemopreventive Effect of A Natural Extract, Muscadine Grape Skin on Molecular Targets Involved in Prostate Cancer, St. Augustine Trinidad and Tobago, West Indies, November 18th, 2014

Invited to Present at Howard University Department of Pharmacology Research Seminar Series. The Chemopreventive Mechanisms of Action of Muscadine Grape Skin Extract in Prostate Cancer: From In vitro and Preclinical to Clinical Studies. Washington, DC, February 15th, 2012.

Invited to Present at Clark-Atlanta University Graduate Seminar Series. Heat Shock Proteins as Promising Molecular Targets in Prostate Cancer. Atlanta, GA, October 28th, 2011.

Invited to Present at the Howard University Internal Medicine Grand Rounds. The Promise of Heat Shock Proteins as Biomarkers of Aggressive Prostate Cancer in African American Men. Washington, DC, May 24th, 2011.

Invited to Present at the Howard University Internal Medicine Grand Rounds. Nutrigenomics. Washington, DC, February 16th, 2010.

Invited to Present at the Howard Hopkins-Partnership Symposium. Nutrigenomics: A Path to Personalized Medicine, Baltimore, MD, December 14th, 2009.

Tamaro Hudson, Ph.D., M.P.H, M.S.

Invited to Present at Hopkins University Cancer Prevention and Control Network Seminar series. Resveratrol: The Power of Red Grapes in Cancer Prevention. Baltimore, MD, October 22nd, 2009.

Invited to present at Howard University Internal Medicine Grand Rounds. Connection Between Modern Medicine and Natural Products. Washington, DC, April 29th, 2008.

Invited to Present at the Howard Hopkins-Partnership Symposium. Comparing the distinct preventive actions of two phytochemicals: Resveratrol and a unique multi-component grape skin extract in prostate cancer, Washington, DC, October 15th, 2007.

Laboratory of Cell Regulation and Carcinogenesis. National Cancer Institute, Conference Retreat, Alternate chemopreventive mechanisms of action of resveratrol and muscadine grape extract in prostate cancer, St. Michaels, MD, October 12th, 2005.

Laboratory of Cell Regulation and Carcinogenesis. National Cancer Institute, The role of selenoproteins in prostate and mammary carcinogenesis, Bethesda, MD, May 26, 2005.
National Cancer Institute Prevention Fellowship Program. Dietary fiber intake assessing the degree of agreement in the FFQ compared with the 4-Day food record, Bethesda, MD, January 12th, 2005.

National Cancer Institute Prevention Fellowship Program. Isothiocyanates chemopreventive agents in prostate intraepithelial neoplasia, Bethesda, MD, April 7, 2004.

Selected to Present at the National Cancer Institute, Fellows and Young Investigators Retreat. Alternate chemopreventive mechanisms of action of resveratrol and muscadine grape extract in prostate cancer, Ocean City, MD, March 2, 2000.

PUBLICATIONS:

HOWARD UNIVERSITY:

1. Burton LJ, Hawsawi O, Sweeney J, Bowen N, **Hudson T**, Odero-Marah V. CCAAT-displacement protein/cut homeobox transcription factor (CUX1) represses estrogen receptor-alpha (ER- α) in triple-negative breast cancer cells and can be antagonized by muscadine grape skin extract (MSKE). (2019). *PLOS*. 2019 Apr 9;14(4):e0214844. doi: 10.1371/journal.pone.0214844. eCollection 2019.
2. Desta A. Beyene, Tammey J. Naab, Norma F. Kanarek, **Tamaro Hudson**. Annexin 2 protein expression is associated with breast cancer subtypes in African American women. (2019). *Heliyon*.
3. Diane N. Ignacio, Kimberly D. Mason, Ezra C. Hackett-Morton, Christopher Albanese, Lymor Ringer, William D. Wagner, Paul C. Wang, Michael A. Carducci, Sushant K. Kachhap, Channing J. Paller, Janet Mendonca,

- Leo Li-Ying Chan, Bo Lin, Diane K. Hartle, Jeffrey E. Green, Collis A. Brown, **Tamaro S. Hudson**. Muscadine grape skin extract inhibits prostate cancer cells by inducing cell-cycle arrest, and decreasing migration through heat shock protein 40 (2019). *Heliyon*. doi.org/10.1016/j.heliyon.2019.e01128.
4. Jabril Johnson, Corinne Boulanger, **Tamaro Hudson**, Evan Savage, and Gilbert Smith. Microarray and pathway analysis of two COMMA-Db derived clones reveal important differences relevant to their developmental capacity in vivo. (2019). *Oncotarget*.
 5. Clinton Burnside, **Tamaro Hudson**, Carla Williams, William Lawson, Adeyinka O. Laiyemo. Sex differences in the use of healthcare services among US adults with and without a cancer diagnosis (2018). *Turk J Urol*. 44(4): 298-302 DOI: 10.5152/tud.2018.71205.
 6. Bruk Getachew, **Tamaro Hudson**, Thomas Heinbockel, Antonei B. Csoka, Yousef Tizabi. Protective Effects of Donepezil Against Alcohol-Induced Toxicity in Cell Culture: Role of Caspase-3 (2018). *Neurotoxicity Research*. <https://doi.org/10.1007/s12640-018-9913-3>
 7. Desta A. Beyene, Tammey J. Naab, Norma F. Kanarek, Victor Apprey, Ashwini Esnakula, Farahan A. Khan, Marc R. Blackman, Collis A. Brown, **Tamaro S. Hudson** (2018). Differential expression of Annexin 2, SPINK1, and Hsp60 predict progression of prostate cancer through bifurcated WHO Gleason score categories in African American men. *The Prostate*. DOI: 10.1002/pros.23537
 8. Dr. Channing J. Paller Xian C. Zhou , Dr. Elisabeth I Heath , Dr. Mary-Ellen Taplin , Dr. Tina Mayer , Dr. Mark N Stein , Dr. Glenn J. Bubley , Dr. Roberto Pili , Dr. **Tamaro Hudson** , Dr. Radhika Kakarla , Dr. Muneer M Abbas , Ms. Nicole M Anders , Donna Dowling , Serina King , Ashley B Bruns , Dr. William D Wagner , Dr. Charles G. Drake , Dr. Emmanuel S. Antonarakis , Dr. Mario A. Eisenberger , Dr. Samuel R. Denmeade , Dr. Michelle A. Rudek , Dr. Gary L. Rosner , Dr. Michael A. Carducci. (2018) Muscadine Grape Skin Extract in Men with Biochemically Recurrent Prostate Cancer: A Randomized, Multicenter, Placebo-Controlled Clinical Trial. *Clin Cancer Res*. 2018 Jan 15;24(2):306-315. doi: 10.1158/1078-0432.CCR-17-1100. Epub 2017 Nov 7.
 9. Burton LJ, Rivera M, Hawsawi O, Zou J, **Hudson T**, Wang G, Zhang Q, Cubano L, Boukli N, Odero-Marah V. (2016) Muscadine Grape Skin Extract Induces an Unfolded Protein Response-Mediated Autophagy in Prostate Cancer Cells: A TMT-Based Quantitative Proteomic Analysis. *PLOS*. 2016 Oct 18;11(10):e0164115. doi: 10.1371/journal.pone.0164115. eCollection 2016. PMID: 27755556 PMCID: PMC5068743
 10. Paller CJ, Kanaan YM, Beyene DA, Naab TJ, Copeland RL, Tsai HL, Kanarek NF, **Hudson TS**. (2015) Risk of prostate cancer in African-American men: Evidence of

mixed effects of dietary quercetin by serum vitamin D status. *Prostate*. 2015 Sep;75(13):1376-83. doi: 10.1002/pros.23018. Epub 2015 Jun 5. PMID: 26012728

11. Burton LJ, Smith BA, Smith BN, Loyd Q, Nagappan P, McKeithen D, Wilder CL, Platt MO, **Hudson T**, Odero-Marah VA. (2015) Muscadine grape skin extract can antagonize Snail-cathepsin L-mediated invasion, migration and osteoclastogenesis in prostate and breast cancer cells. *Carcinogenesis*. Jun 10. pii: bgv084. PMID: 26069256
12. Paller CJ, Rudek MA, Zhou XC, Wagner WD, **Hudson TS**, Anders N, Hammers HJ, Dowling D, King S, Antonarakis ES, Drake CG, Eisenberger MA, Denmeade SR, Rosner GL, Carducci MA. (2015) A phase I study of muscadine grape skin extract in men with biochemically recurrent prostate cancer: Safety, tolerability, and dose determination. *Prostate*. 2015 Oct;75(14):1518-25. doi: 10.1002/pros.23024. Epub 2015 May 27. PMID: 26012728
13. Burton LJ, Barnett P, Smith B, Arnold RS, **Hudson T**, Kundu K, Murthy N, Odero-Marah VA. (2014) Muscadine grape skin extract reverts snail-mediated epithelial mesenchymal transition via superoxide species in human prostate cancer cells. *BMC Complement Altern Med*. Mar 12;14:97. doi: 10.1186/1472-6882-14-97.
14. **Hudson, T.**, Carlson, B., Hoeneroff, M., Young, H., Sordillo, L., Muller, W., Hatfield, D., and Green, J. (2012). Selenoproteins reduce susceptibility to DMBA-induced mammary carcinogenesis. *Carcinogenesis*. Published online March 20th, DOI:10.1093.
15. **Hudson, T.**, Perkins, S., Hursting, S., Young, H., Kim, Y., Wang T-C., and Wang, T. (2012). Inhibition of androgen-responsive LNCaP prostate cancer cell tumor xenograft growth by dietary phenethyl isothiocyanate correlates with decreased angiogenesis and inhibition of cell attachment. *International Journal of Oncology*. 40, 1113-1121.
16. Lee, D., Wilson, J., Duan, R., **Hudson, T.**, and El-Marakby, A. (2011). Peroxisome proliferator activated receptor- α activation decreases mean arterial pressure, plasma interleukin-6 and COX-2, while increasing renal CYP4A expression in an acute model of DOCA-salt hypertension. *PPAR Res*. 2011, 1-7. PubMed PMID: 22190908

OTHER INSTITUTIONS:

17. Wang, T., **Hudson, T.** Wang, T-C, Kim, Y., Seifried, H., Vinyard, B., Perkins, S., and Hursting, S. (2008). Differential effects of Resveratrol on androgen responsive LNCap human prostate Cancer cell in culture and xenograft models. *Carcinogenesis*. 90, 2001-2010.

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18. **Hudson, T.**, Hartle, D., Hursting, S., Nunez, N., Wang, T., Young, H., Arany, P., Green, J. (2007). Inhibition of Prostate Cancer Growth by Muscadine Grape Skin Extract and Resveratrol Through Distinct Mechanisms. *Cancer Research*. 67, 8396-8405.
18. **Hudson, T.**, Forman, M., Cantwell, M. Schatzkin, A., Albert, P., and Lanza, E. (2006). Dietary Fiber Intake: Assessing The Degree of Agreement Between A Food Frequency Questionnaire and 4-day Food Record. *Journal of the American College of Nutrition*. 25, 1-12.
20. **Hudson, T.S.**, Stoner, G.D., Morse, M.A., Young, H., and Mallery, S. (2005) Comparison of Phenethyl and 6-Phenhexyl Isothiocyanate Induced Toxicity In Rat Esophageal Cell lines With and Without Glutathione Depletion. *Toxicology Letters*. 155, 427-436.
21. Green J. and **Hudson T.** (2005) The Promise of Genetically Engineered Mice For Cancer Prevention Studies. *Nature Reviews Cancer*. 5, 184-198.
22. Aziz M. R., Nines R., Rodrigo K., Harris K., **Hudson T.**, Gupta A., Morse M., Carlton P., and Stoner G. (2002). The Effect of Freeze Dried Blueberries on N-nitrosomethylbenzylamine Tumorigenesis in the Rat Esophagus. *Pharmaceutical Biology*., 40, 43-49.
23. **Hudson, T.S.**, Carlton, P.S., Gupta, A., Stoner, G.D., Morse, M.A. (2001) Investigation of the Enhancement of NMBA-Induced Esophageal Tumorigenesis by 6-Phenylhexyl Isothiocyanate. *Cancer Lett.*, 162, 19-26

Tamaro Hudson, Ph.D., M.P.H, M.S.

GRANT SUPPORT:

Active/Pending:

Project Number (Principal investigator):

Source:

Title of Project:

Dates Approved:

Annual Direct Costs/Percent Effort:

Role:

Goal:

Active

Tamaro Hudson, PhD, PI

Charles and Mary Lantham Foundation

Development of A dual-gene construct for
For treatment of prostate cancer

12-1-2018- 12-30-2019

\$11,500

Supported as Primary Investigator (PI).

Develop a gene construct for treatment of
prostate cancer.

Active/Pending:

Project Number (Principal investigator):

Source:

Title of Project:

Dates Approved:

Annual Direct Costs/Percent Effort:

Role:

Goal:

No Cost Extension

Tamaro Hudson, PhD, PI

VA (VA-HBCU)

A Biomarker Risk Prediction Model for
Prostate Cancer

10-1-2012- 9-31-2020

\$798,324, 75%

Supported as Primary Investigator (PI).

Determine which biomarkers can predict
aggressive prostate cancer.

Active/Pending:

Project Number (Principal investigator):

role:

Source:

Title of Project:

Dates Approved:

Annual Direct Costs/Percent Effort:

Role:

Goal:

Non-Active

Christopher Albanese/Tamaro Hudson,
CO-PI

NIH-GHUCCTS-CTSA

A Collaborative study using primary
prostate cells and their reprogramming for
the study of progression to castrate resistant
prostate cancer

9-1-2012- 08-30-2013

\$80,000

Co-investigator

The overall goal for the grant was to develop
cell lines from patients undergoing
prostatectomy using an innovative approach.

Active/Pending:

Project Number (Principal investigator):

Source:

Title of Project:

Dates Approved:

Annual Direct Costs/Percent Effort:

Role:

Non-Active

Bill Nelson/Duane Smoot, (PI)

NIH/NCI

U54-Howard-Hopkins Partnership Grant

8-31-2007- 08-31-2012

\$1.2 million

Supported as Junior Faculty through the

Tamaro Hudson, Ph.D., M.P.H, M.S.

Goal:	cancer and training and education focus of the grant. The overall goal for the grant as it relates to cancer and training is to increase pipeline for minorities in biomedical research. In addition, develop initiatives through junior and senior scientist that is targeted at improving cancer health related measures.
Active/Pending:	Non-Active
Project Number (Principal investigator):	Tamaro Hudson, PI
Source:	Howard University New Faculty award
Title of Project:	Phenethyl Isothiocyanate Inhibits Metastatic Prostate Cancer by Selectively Targeting Angiogenic Markers
Dates Approved:	July 1, 2007- June 30, 2010
Annual Direct Costs/Percent Effort:	\$67,000., 35%
Role:	Primary Investigator
Goal:	Evaluate whether PEITC inhibits metastatic prostate cancer by selectively targeting angiogenic markers using in vivo mouse models.