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## **Educational Background**

<u>Haverford College</u> Bachelors of Science, Biology/Biochemistry	<i>May 2003</i>
<u>University of Melbourne, Australia</u> Study Abroad	<i>Spring 2002</i>
<u>Johns Hopkins University School of Medicine</u> Medical Scientist Training Program- M.D., Ph.D. Cellular and Molecular Medicine	<i>May 2010</i>

## **Post-graduate Training**

<u>University of Maryland/Mercy Medical Center</u> Medicine Internship Mercy is a community catholic hospital in central Baltimore city. It serves the surrounding community, including a large uninsured population	<i>July 2010 - June 2011</i>
<u>Johns Hopkins Hospital, Department of Dermatology</u> Dermatology Residency The Department of Dermatology at Johns Hopkins serves patient populations at Johns Hopkins Hospital, Johns Hopkins Bayview Medical Center, and Green Spring station. Training in Dermatology is broad and includes training in dermatopathology, pediatric dermatology, cutaneous oncology and surgery, and general adult medical dermatology.	<i>July 2011- July 2014</i>

## **Licensure**

Texas, 2014, No. Q0928

## **Board Certification**

2014 -present                      American Board of Dermatology

## **Positions and Employment**

2017-present	<b>Assistant Professor</b> , Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX
2014-present	<b>Post-doctoral research fellow-</b> Laboratory of Lora V. Hooper Ph.D., Howard Hughes Medical Institute, University of Texas Southwestern Medical Center, Dallas, TX

2014-2017 **Assistant Instructor**, Department of Dermatology, University of Texas Southwestern Medical Center, Dallas, TX

2006-2008 **Teaching assistant, Histology**-Johns Hopkins University School of Medicine

2001-2003 **Writing Center Tutor**, Haverford College, Haverford, PA

2001 **Teacher's Assistant, for Organic Chemistry Laboratory**, Haverford College, Haverford, PA

### **Research Experience**

#### **Postdoctoral Research-** UT Southwestern Medical Center- **PI: Lora Hooper**

Though insight has been gained into what organisms reside on the surface of the skin, little is known about how these organisms – collectively termed the “microbiota” – impact the immune system. We show that RELM $\alpha$  is a protein made by the skin in response to the microbiota and can directly kill bacteria.

#### **Resident Research-** Johns Hopkins Department of Dermatology- Clinical and Translational Research Program; **PI: Anna Chien M.D. and Sewon Kang M.D.**

Projects:

1. Linking the inflammation of the skin and the eye in rosacea- supported by American Acne and Rosacea Society (with Julie Zang MD, PhD).
2. Skin Aging in African Americans-establishing a photonumeric scale and contributing factors.

**Graduate Thesis** Johns Hopkins University School of Medicine- PI: Vascular biology laboratory of **Charles J. Lowenstein M.D.** Project: microRNA -126 and its role in endothelial cell biology. Work supported by the MSTP award and National Heart, Lung, and Blood Institute - Graduate Research Supplement (GRS).

**Undergraduate Thesis/Haverford College-** PI: Molecular microbiology laboratory of Iruka **Okeke Ph.D.** Project: Construction of an isogenic mutant of the gene heat resistant agglutinin 1(hra1), in order to elucidate its role in the agglutination phenotype of *Enterococcus faecalis*.

#### **Summer Research-Wyeth Pharmaceuticals-2002– PI: Daniel Johnston Ph.D.**

Project: Elucidating potential targets for a male contraceptive through polymerase chain reaction, rapid amplification of cDNA ends (RACE), and Northern Blot techniques.

**Summer Research-National Institute of Health-2001– PI: Anthony Basile Ph.D.** at the National Institute of Diabetes, Digestive, and Kidneys in Bethesda, MD. Project: Working memory of muscarinic receptor knockout mice.

**Summer Research-University of Toronto-2000– PI: Sergio Grinstein Ph.D.** in the McMaster research wing of the Hospital for Sick Children. Project: Phagosomal pH changes of macrophages and neutrophils during phagocytosis.

**Summer Research-University of British Columbia-1999** - St. Paul's Hospital's Mac Donald research wing. **PI: Shizu Hayashi Ph.D. and Ted Sedgwick Ph.D.** Project: The integration of adenovirus DNA into chromosomes of human bronchial epithelial cells.

**Summer Research -Temple University- 1997, 1998-** **PI: Erik Murer Ph.D.** Project: Biochemistry of platelet aggregation.

### Academic and professional honors/awards

2017	<b>Burroughs Wellcome Fund Career Award for Medical Scientists</b>
2017	<b>Fellowship for Women in Dermatologic Research- American Fellow-</b> Sponsored by Lilly & Co and the Women's Dermatologic Society
2016-18	<b>Dermatology Foundation Career Development Award</b>
2015	<b>Robert Wood Johnson Foundation/ Harold Amos Semi-finalist</b>
2015	<b>Burroughs Wellcome Fund-Post doctoral enrichment grant recipient-</b> Microbiota-immune system interactions in the skin
2014	<b>Judy Warson Award for Clinical Excellence-</b> Johns Hopkins Department of Dermatology
2014	Society for Investigative Dermatology invitee- resident retreat for future academicians
2013	Johns Hopkins Center for Global Health- Resident Travel Grant
2012	<b>American Academy of Dermatology-Resident International Grant-</b> UPenn/Botswana Partnership
2004	Johns Hopkins Center for Global Health- Medical Student Travel Grant
2003	<b>Ariel G. Loewy Prize</b> for Senior Research in Biology, Haverford College, Haverford, PA
2003	<b>Magna Cum Laude</b> , Haverford College, Haverford, PA
2003	<b>Phi Beta Kappa</b> , Haverford College, Haverford, PA
2003	Charles A. Dana Grant, Haverford College, Haverford, PA
1999	Advanced placement scholar with Distinction, Atlanta, GA
1997	NIH High School Scientist Award
1998	Winner of National Abstract Competition/ "Acres of Diamond Award"
1999	Advanced placement scholar with Distinction, Atlanta, GA
2000	Winner of National Abstract Competition/ "Acres of Diamond Award"

### Peer-reviewed Publications

#### Published:

1. **Harris TA**, Yamakuchi M, Kondo M, Oettgen P, Lowenstein CJ. Ets-1 and Ets-2 regulate the expression of microRNA-126 in endothelial cells. **Arterioscler Thromb Vasc Biol.** 2010 Oct; 30(10):1990-7. Epub 2010 Jul 29. **Cited: 118**
2. Samhita Bhargava, Brandon B Johnson, Jennifer Hwang, **Tamia A Harris**, Anu S George, Amanda Muir, Justin Dorff and Iruka N Okeke. The heat resistant agglutinin 1 is an accessory enteroaggregative Escherichia coli colonization factor. **J Bacteriol.** 2009 May 29. **Cited: 22**
3. **Harris TA**, Yamakuchi M, Ferlito M, Mendell JT, Lowenstein CJ. MicroRNA-126 regulates endothelial expression of vascular cell adhesion molecule 1. **Proc Natl Acad Sci U S A.** 2008 Feb 5; 105(5):1516-21. **Cited: 772**
4. Chien AC, Qi J, Grandhi R, Kim N, Alessi Cesar SS, **Harris-Tryon TA**, Jang MS, Olowoyeye O, Kuhn D, Leung S, Rainer BM, Poon F, Suh J, Cheng N, Okoye GA, Kang S. Effect of age, gender, and sun exposure on ethnic skin photoaging: evidence gathered using a new photonumeric scale. **Journal of the National Medical Association.** 2017 June 7. Cited:

#### Submitted:

1. Ji Qi, Radhika Grandhi, **Tamia Harris-Tryon**, Noori Kim, Min Soo Jang, Omolara Olowoyeye, Diane Kuhn, Sherry Leung, Barbara Rainer, Flora Poon, Sabrina Sisto Alessi Cesar, Jean Suh, Nancy Cheng, Ginette Okoye, Sewon Kang. Chronological aging in African-American skin: A reliable photonumeric scale demonstrates age and body mass index as contributing factors. **Journal of the National Medical Association**.

**Acknowledgment:** Andrzej Jankowski, Cameron C. Scott, and Sergio Grinstein. Determinants of the phagosomal pH in neutrophils. **J Biol Chem**. 2002 Feb 22; 277(8):6059-66. Cited: 113

### Presentations

- 2017 Poster Presentation- Resistin-like molecule  $\alpha$  (relm $\alpha$ ) is a skin antimicrobial protein that is regulated by vitamin A-European Society of Dermatologic Research- Salzburg, Austria, September 2017 (scheduled)
- 2017 Oral Presentation (invited)- *Skin and Microbiota- An introduction to the world of microbiota with implications for Dermatology* - National Medical Association Meeting- July 31<sup>st</sup>, 2017.
- 2017 Oral Presentation- Resistin-like molecule  $\alpha$  (relm $\alpha$ ) is a skin antimicrobial protein that is regulated by vitamin A. UT Southwestern Department of Dermatology Grand Rounds-June 22<sup>nd</sup>, 2017.
- 2017 Oral Presentation (invited) - Resistin-like molecule  $\alpha$  (relm $\alpha$ ) is a skin antimicrobial protein that is regulated by vitamin A – UT Southwestern Department of Immunology Research Symposium. May 26<sup>th</sup>, 2017
- 2017 Oral Presentation (selected) - Resistin-like molecule  $\alpha$  (relm $\alpha$ ) is a skin antimicrobial protein that is regulated by vitamin A – Society of Investigative Dermatology, April 28<sup>th</sup>, 2017
- 2017 Poster Presentation - Resistin-like molecule  $\alpha$  (relm $\alpha$ ) is a skin antimicrobial protein that is regulated by vitamin A- Society of Investigative Dermatology, April 28<sup>th</sup>, 2017
- 2016 Oral Presentation(invited)- *Biologics in Psoriasis*- National Medical Association Meeting- August 1<sup>st</sup>, 2016.
- 2016 Oral Presentation- *Microbiota-immune system interactions in the skin*. UT Southwestern Department of Dermatology Grand Rounds-May 6<sup>th</sup> 2016.
- 2015 Oral Presentation- *Clinical improvement of diffuse dermal angiomatosis of the breast after transition to electronic cigarettes as a bridge to smoking cessation*. Caribbean Dermatological Association. Bridgetown, Barbados. November 6<sup>th</sup> 2015.
- 2015 Poster Presentation- *Determining the function of Resistin Like Molecule  $\alpha$  (RELMA) in Cutaneous Host Defense*- Burrough Wellcome Fund Awardee Networking meeting. Research Triangle Park, NC. October 7<sup>th</sup>,8<sup>th</sup> 2015. Southwestern Department of Immunology research symposium.
- 2015 Oral Presentation- *Determining the function of Resistin Like Molecule  $\alpha$  (RELMA) in Cutaneous Host Defense* -UT Southwestern Department of Immunology. Work in Progress session. October 2<sup>nd</sup> 2015.
- 2015 Poster Presentation- *Microbiota-immune system interactions in the skin*- UT Southwestern Department of Immunology research symposium
- 2015 Oral Presentation- UT Southwestern Dermatology Grand Rounds- April 9<sup>th</sup> 2015- *Skin and Microbiota- An introduction to the world of microbiota with implications for Dermatology*
- 2015 Poster Presentation- Society for Investigative Dermatology- 2015- 4<sup>th</sup> author

- Photoaging in African-American skin: a reliable photonumeric scale reveals age, male gender, and sun exposure as contributory factors.*  
 Poster Presentation- Society for Investigative Dermatology- 2015- 4<sup>th</sup> author  
*Development of a Photonumeric scale for facial photoaging in African-Americans*
- 2014 Poster Presentation- Johns Hopkins Department of Dermatology Research Day-*Antimicrobial peptides in ocular and cutaneous rosacea*
- 2013 Oral Presentation- Emory University - *mir-126 in Endothelial Biology*
- 2012 Oral presentation "Gross and Microscopic" -presented at American Academy of Dermatology by Julie Zang MD, PhD
- 2009 Oral presentation - Johns Hopkins MD/PhD retreat- *mir-126 in Endothelial Biology*
- 2007 Poster Presentation - Johns Hopkins Vascular Medicine Initiative conference  
*MicroRNA-126 regulates endothelial expression of vascular cell adhesion molecule 1*
- 2007 Poster Presentation at American Heart Association. NHLBI poster session  
*MicroRNA-126 regulates endothelial expression of vascular cell adhesion molecule 1*
- 2003 Poster Presentation at New England Science Symposium- *Enteroaggregative Escherichia coli strains harbor genes encoding a family of outer membrane adhesins*
- 2000 Oral Presentation at San Diego scientific youth conference -*Integration of adenovirus E1A DNA into human chromosomes.*
- 1998 Oral Presentation at the AAMP-Association for Academic Minority Physicians

### **Society Memberships/Volunteerism**

- 2017 Author, Question Bank American Academy of Dermatology
- 2016-present Mentor, UT Southwestern-"Gotcha Covered" Mentorship Program
- 2015-present Volunteer- Agape Medical Clinic- Dermatology
- 2016-present Member, National Medical Association
- 2013-present Member, Women's Dermatological Society
- 2013-present Member, Society of Investigative Dermatology
- 2011-present Member, American Academy of Dermatology
- 2010-present Haverford College Class of 2003, Class chair
- 2016-present National Medical Association
- 2003-2010 Member, Student National Medical Association
- 2005-2008 **Member of the Board**, Student National Medical Association

### **Academic Experiences- Conferences Attended**

- 2017 Burroughs Wellcome Fund Awardee Networking meeting (scheduled)
- 2017 European Society of Dermatological Research, Salzburg, Austria (scheduled)
- 2017 National Medical Association, Dermatology section, Philadelphia, PA
- 2017 UT Southwestern Department of Immunology Research Symposium
- 2017 Society of Investigative Dermatology, Portland, OR
- 2016 National Medical Association, Los Angeles, CA
- 2016 American Academy of Dermatology, Washington DC
- 2015 Burroughs Wellcome Fund Awardee Networking meeting
- 2015 Caribbean Dermatological Society, Bridgetown, Barbados
- 2015 UT Southwestern Department of Immunology Research Symposium
- 2015 Society of Investigative Dermatology, Atlanta, GA
- 2015 American Academy of Dermatology, San Francisco, CA

- 2014 Johns Hopkins Department of Dermatology research symposium, Baltimore, MD
- 2014 Society of Investigative Dermatology/Resident Research Retreat, Albuquerque, NM
- 2013 American Academy of Dermatology, Miami, FL
- 2012 National Psoriasis Foundation- Resident Meeting, Chicago, IL
- 2012 Washington D.C. Dermatological Society, Fairfax, VA
- 2011 Washington D.C. Dermatological Society, Bethesda, MD
- 2010-2014 Maryland Dermatological Society, 2010-2014, Baltimore, MD
- 2004-2008 Student National Medical Association/Annual Medical Education Conference (SNMA/AMEC) - (board member 2005-2008)
- 2007 **Johns Hopkins School of Medicine- Diversity Initiative Retreat: Voices for Change-Dean Edward Miller-** St. Michael's, MD- Inn at Perry Cabin
- 2007 American Heart Association, Orlando, FL
- 2007 Johns Hopkins Vascular Medicine Initiative conference, Baltimore, MD
- 2003 New England Science Symposium, Boston, MA

**Research Support**

**Ongoing Research Support:**

**Burroughs Wellcome Fund**

**Career Award for Medical Scientists (CAMS)**

Title: Burroughs Wellcome Fund CAMS

Project Goal: This program is intended to support early career physician scientist as they transition to independence.

Principal Investigator: Tamia Harris-Tryon

Source of Support: Burroughs Wellcome Trust

Start Date: 9/1/2017

End Date: 8/31/2022

Amount: \$700,000/5 years

**Dermatology Foundation**

**Career Development Award**

Title: Dermatology Foundation Career Development Award

Project Goal: The Physician Scientist CDA supports the academic career of a physician-scientist who is devoted to clinical dermatology, and assists in the transition from fellowship to established investigator.

Principal Investigator: Lora Hooper

Source of Support: Dermatology Foundation

Start Date: 7/1/2016

End Date: 6/30/2018

Amount: \$55,000 annual salary stipend (renewable up to three years)

Budgetary Overlap: None

**Burroughs Wellcome Fund**

**Post Doctoral Enrichment Program**

Title: Burroughs Wellcome Fund/ Postdoctoral Enrichment Award

Project Goal: This program is intended to substantially enhance the postdoctoral training and experience of underrepresented minority (URM) scientists.

Principal Investigator: Lora Hooper  
Source of Support: Burroughs Wellcome  
Start Date: 9/1/2015  
End Date: 8/31/2017  
Amount: Supplemental support (non-salary) \$20,000 annually  
Budgetary Overlap: This grant provides non-salary support

**Completed Research Support:**

**T32**

Ponciana Cruz (PI)

10/01/2014-present

NIH

Integrative Immunology/Dermatology Training Grant

The goal of this training grant is to provide post-doctoral fellows with advanced immunology training.

Role: Post-doctoral fellow/Trainee

Title: Dermatology Research Training Program

Project Goal: Because improved patient care depends on scientific discovery applied to human conditions, our goal is to produce scientific investigators and leaders in Dermatology by recruiting promising individuals into research programs that will train them effectively.

Principal Investigator: Ponciana Cruz

Source of Support: T32 AR 065969

Start Date: 7/1/2014

End Date: 6/30/18

Amount: Salary Support: \$50,112 annually

Budgetary Overlap: T32 support concluded

**NIH, National Heart, Lung, and Blood Institute**

Charles J. Lowenstein M.D. (PI)

08/2006- 08/2008

Graduate Research Supplement.

Role: Graduate Student/Trainee

**Teaching and mentorship activities:**

**MAPS (Minority association for Pre-medical students) workshop and panel discussion- UTSW SNMA- Saturday, March 3<sup>rd</sup> 2017**

**Panel discussion-** Student National Medical Association-UTSW-February 2017

Goal: Discussion with medical students on approaches to discrimination on the wards.

**Panel discussion-** National Medical Association/Dermatology Section-2016

Goal: Increase awareness of career opportunities in Dermatology

**Screening of the movie *Black Hair*- April 14th 2015- with Mellissa Mauskar M.D., Katherine Ayoade, M.D., Ph.D.,**

Goal: Increase cultural competency for dermatology resident when seeing African American patients.

**Resident Kodachromes-** May 29, 2015- Botswana images- clinical images from and HIV endemic region.

Goal: Generating differential diagnoses based on clinical images

**Teaching session for Physician Assistants-** Kodachromes of disease in ethnic skin-  
January 2016-

Goal: Approaches to diagnosis of medical illness in darkly pigmented skin

**SNMA/MAPS evening dinners at Dr. Pandya house-** September 30th 2016 and  
September 2015

Goal: Increase exposure of medical students and undergraduate students to  
careers in Dermatology

**Current Mentees:**

2017- present	Whitney Gao, Medical Student UTSW- summer research project
2016- present	Dante Zanders, B.S. Preprofessional student, Georgia Tech, Texas A&M masters student, 2016-present
2016- present	Savannah Hampton Medical Student 2016-present, UTSW, <i>Gotcha Covered Program</i>
2015- present	Odinaka Onyanwu Medical Student
2014- present	Sarrah Dominique, B.S., Post Bac student
2015-present	Andrew Chara- B.S. University of Washington/ Technician Hooper Lab
2015-present	Courtney Johnson-MSTP student Brown University

**Committee and Leadership Experience:**

2017 **SID organizer of the Future Leaders session at the European Society  
of Dermatological Research-Salzburg, Austria. September 2017  
(scheduled)**

2007-08 **Student National Medical Association (SNMA): National Diversity  
research committee co-chair/ Director of the Physician Research  
Initiative (PRI)**

PRI initiative coordinator: My chief responsibility was coordinating the  
inaugural year of the physician research initiative (PRI). The goal of the  
PRI is to encourage the entrance of minority medical students into  
academic careers. This goal is achieved through, research forums,  
lectureships, and scholarships, during the SNMA annual medical  
education conference (AMEC). Through these symposia, we increased  
the awareness of the national membership of physician research careers  
and opportunities available in academic medicine. As the committee chair  
I also served as an advisor to the Wilber C. Jordan research forum, a  
member of the Pfizer/David Satcher Fellowship Selection committee, an  
editor/contributor to the Pipeline/PRI issue of the Journal of the Student  
National Medical Association (JSNMA), and a member of the board of  
directors.

2006-2007 **Student National Medical Association Diversity research committee,  
national chair**

Member of the Board of Directors 2006-2007  
Wilbert C. Jordan Research Forum coordinator  
Pfizer/David Satcher Fellowship selection committee member

2006-2007 **Student Member of the Johns Hopkins School of Medicine  
Admissions Committee**

Chosen by members of the graduating class of 2007, to serve as a  
student member of the Johns Hopkins School of Medicine admissions

- committee. I interviewed potential candidates for the medical school and was present for all faculty committee meetings.
- 2004-2005 **Community Adolescent Sexuality Education Program-** Teacher (2004-06) Coordinator (2004-05) provided sexuality education for Dunbar middle school in east Baltimore, Maryland. As a coordinator I worked with the local school board to get approval for the program and initiate program expansion.
- 2004 **Ghana Medical Mission-** As part of the SNMA medical mission our group went to the coastal Ada Foah region of Ghana and participated in a community sexuality education program as part of the *Save a Million Lives* campaign. I was part of the analysis team that interviewed local women about their beliefs regarding sex, and HIV/AIDS so that our teaching efforts would more accurately reflect the culture of the Ghanaian communities.
- 2004 **Welcome Back Weekend Committee Co-Chair-** Worked with the admissions office and the SNMA to organize the revisit weekend for minority students accepted to Johns Hopkins School of Medicine.
- 2001-2003 **Committee on Diversity- Haverford College-** A joint faculty and administrative panel chaired by President Tom Tritton that dealt with issues of diversity on campus. The committee had two student representatives. The committee met once a month to discuss and address current issues on campus.
- 2001-2002 **Peer Awareness Facilitator**  
Peer Awareness is a Haverford College Program that engages first year students in discussion of Alcohol, Sex, Sexuality, Race, Class, and Rape and Sexual Assault. Facilitators lead and guide each session through the use of various facilitation techniques and lecture materials. It is designed to inform incoming freshmen of various social issues as well as encourage them to engage in their own discussions about these topics after the program has concluded.
- 2000-2001 **Customs Person (Resident Advisor) 2000-2001**  
The Customs Program is designed to help ease the transition of first year students to Haverford College. The customs person acts as more of an aid to the first year student than as a disciplinarian. They participate in all First Year Orientation programs and live in close proximity to a group of first year students.
- 1999-2000 **Students' Council Co-Secretary 1999-2000**  
The Students' Council Secretary is responsible for taking minutes at Students' Council meetings and at the bi-yearly Plenary, where students ratify the honor code. The secretary is also a member of Executive Council which is the chief student governing body on campus and makes decisions concerning student housing, activities, and other administrative decisions. The Secretary also serves as the head of the Activities Committee.
- 1999-2000 **Co-Head of Students' Council (SC) Activities Committee 1999-2000**  
The SC Activities Committee deals with all aspects of student activities. It is responsible for the planning and publicity of all SC activities from dinners, to lectures, to dances.

1999            **Barclay Dorm Representative to the Students' Council**  
Dorm representatives serve as a liaison between dorm residents and the SC. I attended SC meetings and was also a member of the Appointments Committee that is charged with the task of appointing students to various positions on campus.

**Member of Haverford College's *Black Students League* and *Women of Color***

**Theatre Experience**

2001            **Assistant Director to Haverford College's Presentation of Ntozake Shange's *For Colored Girls who have considered suicide when the rainbow is enuf* Spring 2001**

*For Colored Girls...* is a play utilizing dance and poetry to portray the experiences of different variety of women living in New York City.

2003            **Miss Patt in Haverford College's Presentation of *The Colored Museum* by George C. Wolfe.**

*The Colored Museum* is a play that satirically examines the complexities of African-American identity and culture.

2001            **Eleanor Cummings in Haverford College's Presentation of *Life During Wartime* by Wesley Brown Fall**

*Life During Wartime* is a play based on the real life killing of Michael Stewart by eleven transit authorities in New York City. The play addresses the multifaceted nature of police brutality that currently plagues the black and Latino communities. Eleanor Cummings is the mother of Darryl Cummings, the fictional depiction of Michael Stewart.