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## *Closing Out the Current Phase of PRIDE and Looking to the Future*

**The Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE)** cohorts 4-6 consisted of seven summer institutions from coast to coast. Following in the footsteps of PRIDE cohorts 1-3 and the former Summer Institute Program to Increase Diversity (SIPIID), cohorts 4-6 welcomed medical researchers of diverse backgrounds who were underrepresented in biomedical or health sciences.

A total of 212 matriculates across 3 years (2015-2018) were trained in seven programs: Advanced Health Disparities, Behavioral and Sleep Medicine, Cardiovascular Genetics & Epidemiology, Cardiovascular Health-Related Research, Functional and Translational Genomics of Blood Disorders, Obesity Health Disparities, and Research in Implementation Science for Equity.

We are preparing for the renewal of the PRIDE Program now that the Funding Opportunity Announcement (FOA) has been made for the PRIDE RFA. We're excited that NHLBI is continuing to pursue work with future researchers from underrepresented backgrounds in biomedical and health sciences. As we do so, we'd like to look back on the many achievements of PRIDE over the last three cohorts.

## **Programs to Increase Diversity (PRIDE) Summer Institute Training Programs**

### **Advanced Health Disparities Training** (AHD)

Location: University of Arizona, Tucson, Arizona

PI: Joe GN "Skip" Garcia, MD                      MPI: Francisco Moreno, MD

### **Behavioral and Sleep Medicine** (BSM)

Location: NYU Langone Medical Center, New York, New York

PI: Girardin Jean-Louis, PhD                      MPI: Gbenga Ogedegbe, MD

### **Cardiovascular Genetics and Epidemiology** (CGE)

Location: Washington University in St. Louis, St. Louis, Missouri

PI: D.C. Rao, PhD                                      MPI: Victor Davila-Roman, MD

### **Cardiovascular Health-Related Research** (CVD)

Location: SUNY Downstate Medical College, New York, New York

PI: Mohamed Boutjdir, PhD

### **Functional and Translational Genomics of Blood Disorders** (FTG)

Location: Augusta University, Augusta, Georgia

PI: Betty Pace, MD

Co-Director: Juan González, PhD                      Co-Director: Nita Maihle, PhD

### **Obesity Health Disparities** (OHD)

Location: University of Mississippi Medical Center, Jackson, Mississippi

PI: Bettina Beech, DrPH, MPH                      MPI: Keith Norris, MD

### **Research in Implementation Science for Equity** (RISE)

Location: UCSF Center for Vulnerable Populations, San Francisco, California

PI: Kirsten Bibbins-Domingo, PhD, MD, MAS

MPI: Alicia Fernandez, MD                      MPI: Margaret Handley, PhD, MPH

For further information, email the **PRIDE Coordination Core**

Location: Washington University in St. Louis, St. Louis, Missouri

PI: Treva Rice, PhD

Or directly contact the Summer Institute Training Program of your choice.

### ***PRIDE Alum Programs:***

#### **Comparative Effectiveness Research**

Location: Columbia University, New York, New York

PI: Melissa Begg, ScD                      MPI: Karina Davidson, PhD                      MPI: Anne Taylor, MD

#### **Mentoring Researchers in Latino Health Disparities**

Location: San Diego State University, San Diego, California

PI: John Elder, PhD                      Co-Director: Greg Talavera, MD

## Advanced Health Disparities Training



THE UNIVERSITY OF ARIZONA  
HEALTH SCIENCES  
**AZ-PRIDE**  
Health Disparities Research

Over the past three years, AZ-PRIDE scholars had opportunities to receive specific training in health disparities research methodology, grant and manuscript preparation, as well as career development. Among accomplishments by individuals from various cohorts we include a sample of those individuals who have produced successful grant applications through important collaborations at their home institutions and additional resources leveraged along with PRIDE experiences and mentoring.



Christian Bime, MD  
Cohort 1  
Received K08 Award

*SELPLG as a Candidate Gene in Acute Respiratory Distress Syndrome*



Mentor  
**Dr. Skip Garcia**  
Professor, Medicine  
University of Arizona Health Sciences



Karen Florez, DrPH  
Cohort 6  
Received R21

*Social Networks, Acculturation, and Food Behaviors and Values Among Mexican-American Families*



Amanda Fretts, PhD  
Cohort 4  
Received R01

*Cheyenne River Sioux Tribe Cooking for Health*



Angela Rivers, MD, PhD  
Cohort 6  
Received a fundable R01 score  
Pending funding decision

## Advanced Health Disparities Training

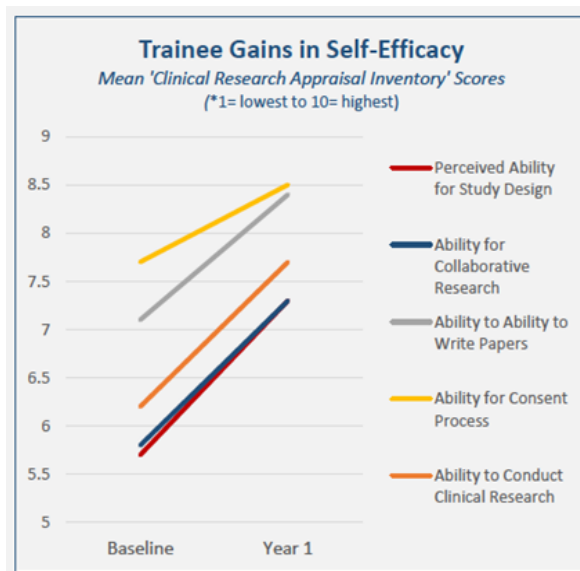


THE UNIVERSITY OF ARIZONA  
HEALTH SCIENCES  
**AZ-PRIDE**  
Health Disparities Research

### AGGREGATE DATA

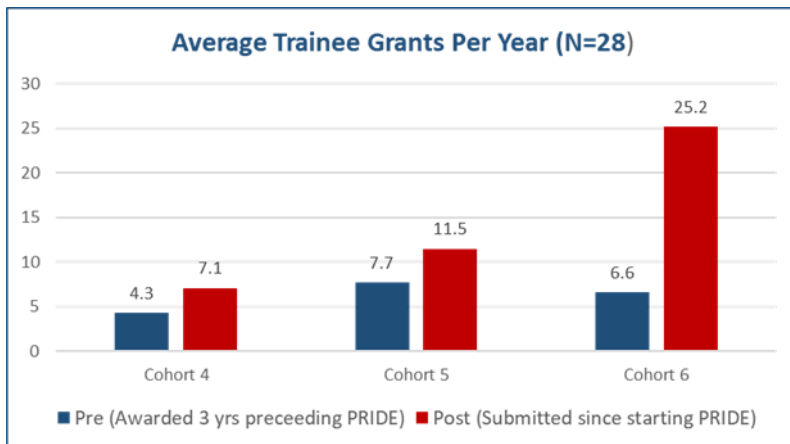
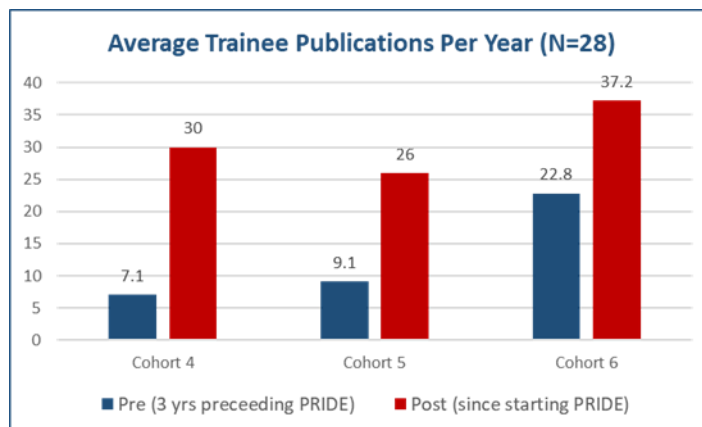
#### Self-Efficacy:

Trainees showed marked gains in research self-efficacy across cohorts.



#### Publications:

With the exception of some outliers, AZ-PRIDE scholars as a group have had significant writing success. Trainees have had 163 manuscripts accepted for publication since joining AZ-PRIDE.



#### Grant Submissions:

Trainees were expected to submit at least one proposal to funding agencies by the end of the year that follows their program completion. In each cohort year, trainees were offered opportunities to participate in mock grant review study sections to help aid their progress, provided that there were enough drafts that were at an appropriate level of completeness at the time. Combined, trainees from the three cohorts have submitted 62 proposals and been awarded 38 grants since starting the program.

## Behavioral and Sleep Medicine



Our Institute provides intensive didactic and mentored research learning opportunities to underrepresented minority (URM) faculty and individuals with disability, who are engaged in behavioral medicine and sleep disorders research for a period of 2 weeks. The main goal of the Institute is to increase academic workforce diversity by providing an autonomy-supporting academic network to junior faculty engaged in behavioral medicine and sleep disorders research. The Institute also provides training to foster development of independent careers supported by funding from the NIH, either through the NHLBI K or R series mechanisms.

At the NYU BSM PRIDE Summer Institute, we welcomed scholars from cohorts 4-6 during the last three summers (2015, 2016 and 2017). During PRIDE II, we trained 35 URM scholars (13 scholars in cohort 4; 11 in cohort 5; and 11 in cohort 6). The overarching objective of this multidisciplinary training and mentoring Institute was to inspire mentees to conduct research by employing techniques at the forefront of their fields. To this end, mentees participated in two didactic summer programs, interspersed by monthly webinars where they reported on progress made regarding their research proposal and career guidance received from their mentors, faculty members (expert in specific research area) and peers. Mentees participated in the NHLBI-PRIDE annual meeting, where they had an opportunity to network and interact with other PRIDE scholars. At this meeting, mentees provided a mid-year progress report and presented their plan to complete their proposal that were discussed during the Mock Study sections. This was an important aspect of the institute, which helped them improve their proposals before submission to the NIH. Mentees in cohort 4 -6 have been active and have secured funding from various funding agencies.

### **BSM Peer Mentorship Program**

In addition, during PRIDE II the Institute also trained a total of 18 Peer Mentors (6 Peer Mentors per cohort). The BSM Peer Mentorship program is an integrated, state-of-the-science CTSI-based program that we customized to fit the rigor of the BSM summer schedule. Briefly, the program begins with a Pre-Session Self-Assessment Assignment, where scholars complete a 360-degree assessment and a Meyers Briggs Type Index, a survey, and draft an Individual Mentor Development Plan. This forms the basis for mapping their progress throughout their training while receiving tools to use with their assigned mentees during the ensuing academic year.

During the BSM Peer Mentorship Program, several sessions are held: 1) Difficult Issues in Mentoring - Discussing the "Undiscussable," 2) Defining the Mentoring Relationship and Appreciating its Rewards and Challenges, 3) Theories of Leadership: Maps for Mentoring/Self-Differentiation and Attunement: a Critical Balance for Mentors, 4) Time Management, 5) Strategies for Writing Collaboratively, and 5) Wrap-up and Peer Mentoring. Selective readings or web-based homework are assigned for each session. Upon program completion, each scholar is assigned 1-2 PRIDE mentees for the academic year. PRIDE faculty holds monthly meetings with the Peer Mentors, intervening when guidance from a senior mentor is necessary.



**Left to right front:** Natasha Williams (Peer Mentor Manager), Adina Kalet (Director, CTSI Mentorship program) Joseph Ravenell (Peer Mentor Manager)  
**Left to right back:** Alyson Myers, April Rogers, Dayna Johnson, Leah Robinson, Donaldson Conserve



## Behavioral and Sleep Medicine



### BSM Cohort 4 2015



**Left to right back:** Freddie Zizi (staff) Anthony Estreet, Stephanie Pickett, Lizette Jimenez, Juliet Iwelunmor, Felicia Jefferson, Chandra Jackson, Darren Moore, Dustin Duncan, and Girardin Jean-Louis (Program Director) **Left to right front:** Sabina Pickens, Tabitha Hardy, Selena Nguyen-Rodriguez, Idia Thurston  
**Not pictured:** Marie Bragg

#### Grants

- 2-R01 (NHLBI, NIMHD, NIMH)
- 1-R21 (NIDDK, NHLBI)
- 2-U01 (NCHHSTP)
- 1-R03 (NIDA)
- 1-DP5 (NIH Director's Early Independence Awards)
- 1-UG3 (NICHD)

#### Publications—20+

#### Promotions

- Associate Professor
- NIH-Stadtman Investigator

## Behavioral and Sleep Medicine

### BSM Cohort 5 2016



**Left to right:** Girardin Jean-Louis, Alyson Myers, Dayna Johnson, Susan Hall, Alyssa Gamaldo, Sandraluz Lara-Cinisomo, Tracy Bethea, Janalyn Edmonds, TyWanda McLaren-Jones, and Gbenga Ogedegbe

**In back:** Donaldson Conserve

**Not pictured:** Laura Reid Marks, Maxine Adegbola

### Grants

- 1-K01 (NHLBI)
- 1-K99 (NHLBI)

**Publications— 10+**

### Promotions

- Department Chair
- Assistant Professor tenure track

## Behavioral and Sleep Medicine

### BSM Cohort 6 2017



**Left to Right:** Peter Memiah, Marquis Hawkins, Chukwudi Ekwemalor, Bob Lubamba (colleague), Robert Turner, Yisel Cantres Rosario (colleague), Melanie Austin-McCain, Suzanna Martinez, Kimberly Bell, Lyndonna Marrast, and Teletia Taylor

**Not pictured:** Brian Gonzalez and Darigg Brown

### Grants

- 2-K01 (NHLBI)
- 1-K12 (Institution)
- 1-R01 (NHLBI)

**Publications—10+**



## Cardiovascular Genetics and Epidemiology



PRIDE-CGE Cohort 6 returned **July 29<sup>th</sup>-Aug 15<sup>th</sup>** for their second summer institute Program.

Our second summer curriculum focused on select lectures from Bioinformatics along with talks on various topics including some of the following:

Cardiovascular Genetic Epidemiology: Examples from HyperGEN and the GOLDN Studies, Genetic Variation Underlying Myocardial Infarction:

Discovery & Clinical Translation, Historical Origin of the P-Value, Career Advancement Plan for Junior Faculty: A Novel Field-Tested Approach to Writing

NIH Grants & Internet Available Tools, An Overview of CVD Epidemiology: Understanding Population Vital Signs, Biomarker Studies & Methods, Epigenetics, Sample Size & Power, Research Integrity, and Pharmacogenetics (PGx) of Warfarin: Trials, Tribulations, & Triumph.



During the lunch hours, brainstorming sessions were held with Mentors and Mentees reviewing individual grant proposals and offering suggestions for improvement



## Cardiovascular Genetics and Epidemiology



Certificates were provided to Cohort 6 upon completion of Summer 2. Below from left to right: Carlos Barrero, Veronica Barcelona de Mendoza, Mario Gil, Holly Jones, Alfreda Holloway-Beth, Fabian Vazquez-Santiago, & Yvonne Ford.

A Reunion was held for Cohorts 4-6 August 16-17, 2018 and included Networking among Mentees and Mentors, Alumni Presentations, and PRIDE Reflections by DC Rao and Victor Davila-Roman. The Mentees also worked on Elevator Speeches, Vision Mapping to guide goal attainment and discussed strategies for productivity planning and work-life integration. They also had a talk by Kirsten Bibbins-Domingo from UCSF on "Getting What You Need from Your Mentor and Institution."



PRIDE CGE Cohorts 4-6 Left to Right: Carlos Barrero, Amanda Garza, Kecia Carroll (SIPID Cohort 3), Cheryl Cropp, Fabian Vazquez-Santiago, Yvonne Ford, Julius Ngwa, Hyacinth Hyacinth, Mario Gil, Leonard Anderson, Holly Jones, Junenette Peters, LaBarron Hill, Tekeda Ferguson, Senu Apewokin, and Veronica Barcelona de Mendoza. Not in Attendance: Genesio Karere, Sandra Safo, Mario Rico, & Marcos Sanchez-Gonzalez.

Updates on Cohort 6:

**Veronica Barcelona de Mendoza** received a K01 through NINR "DNA Methylation, Preterm Birth and Blood Pressure in African American Children." She has also submitted an R21 and is waiting on the score and is beginning to plan for R01 proposal. She had 2 first author publications and 1 other publication.

**Carlos Barrero** is working on a resubmission of a K01 and an R21 proposal. He had 3 publications.

**Yvonne Ford** is preparing for a R21 or R33 application and has completed her Reappointment documents for her institution.

**Mario Gil** submitted an R21 in Jan and a K01 in Feb. Working to revise K01 for resubmission.

**Alfreda Holloway-Beth** was just elected to OHS Section Chair-elect for the American Public Health Association. She submitted for an institutional grant for pilot data but did not get funded.

**Holly Jones** is resubmitting K01 grant and recently submitted grant to AHA. Was first author on one publication and developing a few others.

**Fabian Vazquez-Santiago** is a proud father of a new baby girl born in Sept. He is recruiting patients for his study, teaching, & working on a manuscript.

Recent Alumni updates: **Uriyoan Colon-Ramos** from PRIDE Cohort 2 was awarded and R21 "Water Up at Home" through NIDDK Sept 2018. **Edmond Kabagambe** from SIPID Cohort 3 is now Assistant Vice President for Research Operations in the Ochsner Health System.

A book was published by Mentor, C Michael Stein "Not Discussed: - the unspoken rules for a career in academic medical research" covers a wide range of topics such as career tracks and stress points, choosing a project and mentor, time management, navigating NIH, writing and reviewing papers and grants, giving a talk, tenure, getting promoted, interviewing, negotiating a job, leadership, and many others. Royalties from the book go to Arthritis Foundation and Lupus Research Alliance.

### Not Discussed

— the unspoken rules for a career —  
— in academic medical research —



C. Michael Stein

## Cardiovascular Health-Related Research



Since graduation, PRIDE-CVD Cohort 4 and 5 scholars have been making significant progress in their academic endeavors. Notably, several of our scholars have successfully competed for NIH grants including K01 (Drs. Rosalba Hernandez, Willie Abel, and Loni Tabb), K23 (Dr. Dani Arigo), R03 (Dr. Damon Swift), R15 (Nataria Joseph) and P30 (Dr. Marlene Camacho-Rivera). Furthermore, we have also had news of academic promotions to Associate Professor (Drs. Loni Tabb, Yuri Feito, and Oyinlola Babatunde), as well as Interim Associate Dean for Academic Affairs (Dr. Trudy Gaillard). More importantly, their productivity, with regards to peer reviewed publications combined have also tripled.

On Monday July 16<sup>th</sup>, 2018, PRIDE-CVD Summer Institute scholars were welcomed as part of Cohort 6 to SUNY Downstate Medical Center for Summer II and graduation. Following an intensive Summer I training whereby scholars were introduced to a variety of cardiovascular-related topics, as well as grant writing workshops and career development, scholars were encouraged to develop ideas for a K grant, and in some cases an R grant. During their individual preparations with their mentors, scholars also had the unique opportunity to share updates and any challenges that they were experiencing at the mid-year meeting, held in November 2017 during the American Heart Association meeting in Anaheim, California, USA, also through monthly webinars (January-April 2018), and at the annual NIH meeting in late April 2018 held in Bethesda, MD.



**Cohort 6 during the mock study section in July**

Six-weeks prior to returning for Summer II (July 2018), scholars submitted a completed grant application to allow for a thorough review by expert faculty and peers. Grants were distributed to a primary reviewer who is an expert in the research topic area of the scholar, and has successfully obtained NIH funding. In addition, the NIH mock study section panel was composed of an internal secondary reviewer (faculty at SUNY Downstate Medical Center), and 2 peer-reviewers (selected from cohort 6). Prior to the mock study section, scholars gave a 10-minute PowerPoint presentation for the benefit of attendees in the room before the reviewers delivered their critiques, followed by feedback and discussion, lasting a total of 90 minutes for each scholar.



## Cardiovascular Health-Related Research



Also worth mentioning, 3 of our scholars (Drs. Rosenda Murillo, Lenette Jones, and Eric Rivas) managed to submit their K grants prior to Summer II. Drs. Lenette Jones and Eric Rivas' grants were scored and they are currently awaiting news of potential funding. Drs. Gabriel Tajeu and Lenette Jones were awarded administrative supplements. Finally, we celebrated the graduation of our scholars at a dinner event in the heart of Brooklyn, New York. This was an exciting social and networking event between scholars and members of our faculty.



PRIDE-CVD Cohort 6 scholar stand for picture with PRIDE-CVD faculty and staff at graduation dinner. Pictured standing from left: Mulubrhan Mogos, Eric Rivas, Lenette Jones, Alessandra Alí (PRIDE-CVD Volunteer), Gabriel Tajeu, Denise Vidot, Mohamed Boutjdir (PRIDE Program Director), Portia Jackson-Preston, Vanessa Marshall, Arnita Norwood, Vivian Dicks, Rosenda Murillo, Amber Johnson, Yendelela Cuffee. Front: Ademuyiwa Aromolaran (PRIDE Faculty).



## Functional and Translational Genomics of Blood Disorders



The PRIDE - Functional and Translational Genomics of Blood Disorders (FTGBD) Program, Cohort 6 mentees, mentors, Director, Co-Director and staff were in full attendance at the 2018 PRIDE Annual Workshop in Bethesda, MD. The first evening was an opportunity for networking and fun and games for all. By the second day, meeting attendees were fully engaged in the different activities. From the FTGBD program four mentees presented their research projects in posters, three mentees were actively involved as grant reviewers and two mentees gave oral presentations that were well received. During the evening of day 2 our Cohort 6 mentees and mentors in attendance continued project planning through one-on-one meetings. There was also opportunity to interact with our program officer from NHLBI, Dr. Rita Sarkar. The evening was concluded with a FTGBD program dinner of wonderful fellowship, academic progress and planning for the final summer institute.

Summer Institute II was held July 16-27, 2018 at Augusta University. This institute hosted nine mentees from Cohort 6 and a 2-day overlap of six mentees from Cohort 4. Both cohorts networked during a Welcome Breakfast hosted by the PRIDE FTGDB leadership and staff. The overlap schedule consisted of two days of exchange of ideas, networking, and discussing areas of potential research collaboration. Time was also spent fine tuning Specific Aims and Individual Career Development Plans. Dr. Rita Sarkar, Program Officer, National Heart Lung and Blood Institute conducted our annual Grant Writing Workshop. The two cohorts quickly bonded, identifying areas of research collaboration and extensive conversations. The overlapping period of the program concluded with formal scientific presentations by Cohort 4 mentees.

## Functional and Translational Genomics of Blood



During Summer Institute II, Cohort 6 mentees received additional training in grant preparation, didactic and lab practicum sessions related to proteomics and protein analysis. FTGDB PRIDE Cohort 6 is comprised of nine mentees whose research focused on sickle cell disease (SCD). **Dr. Jennell White** is an Assistant Professor at Wayne State University and is interested in defining mechanisms that modulate the co-stimulatory functions of VLA-4 and thus regulate adhesion in sickle cell disease. **Dr. Oluwakemi Badaki-Makun** is an Assistant Professor at Johns' Hopkins University and her research focus is on predictive modeling and biomarker discovery for the diagnosis of acute chest syndrome in SCD. **Dr. Nadine Matthie** is an Assistant Professor at Emory University and her research studies focus on self-management and pain in adults with sickle cell disease.

**Dr. Donna Whyte-Stewart** is an Assistant Professor at Johns' Hopkins University and her research studies are centered on the role of hemopexin and its association with silent cerebral infarcts in SCD. **Dr. Oyebimpe Adesina** is an Assistant Professor at the University of Washington and her research focuses on the role of osteonecrosis in chronic joint pains, degenerative arthritis, and impaired mobility in SCD. **Dr. Dora Clayton-Jones** is an Assistant Professor at Marquette University in the College of Nursing and the focus of her research is health equity in adolescents and emerging adults with SCD and optimizing self-management behaviors during health care transition. **Dr. Lori Vick** is an Assistant Professor at Bradley University School and her research is on improving adherence to therapy and the health outcomes of individuals with SCD. **Dr. Nnenna Ukachi** is an Assistant Professor at Augusta University; her research is focused on pulmonary function status in young children with SCD. **Dr. Veneé Tubman** is an Assistant Professor at Texas Children's Hospital and her research focuses is on the effect of immune dysfunction and infections (e.g. malaria) on clinical outcomes for children with sickle cell disease.

## Functional and Translational Genomics of Blood



Summer Institute II concluded with graduation ceremony during which mentee received their certificates of completion, final networking and a review of long-term PRIDE program evaluation. Mentees were also encouraged to maintain contact with their PRIDE and home institution mentor

### Good News Items

The FTG-PRIDE Cohort 5 mentee are the first to accomplish a joint peer-reviewed publication “**Sistas In Science—Cracking the Glass Ceiling**”, *Ethnicity & Disease*, (Vol 28(4), 2018). They described experiences as women of color scientists from diverse backgrounds and similar struggles embarking upon the NHLBI-funded FTG-PRIDE Program; a great networking effort.



Dr. Oluwakemi Badaki-Makun received the Thomas Wilson Foundation Grant in July 2018 to study biomarkers for acute chest disease in sickle cell patients in Baltimore and had a paper accepted for publication in the Journal Academic Emergency Medicine. Dr. Dora Clayton-Jones received the Frenn Award-Marquette University College of Nursing, grant funded for \$2500 and Research Grant & Summer Faculty Fellowship grant funded for \$11,465. Dr. Nadine Matthie published a paper in the Journal of the National Medical Association. Dr. Patricia Silveyra was promoted to Associate Professor of Pediatrics at The University of North Carolina at Chapel Hill and was selected for the National Academy of Sciences "New Voices in Sciences, Engineering and Medicine" program inaugural inductees and received the American Physiological Society Respiration Section New Investigator Award. Dr. Silveyra also was awarded an NHLBI R03HL141618 grant and published a paper in the Journal Biology of Sex Differences.

Dr. Oluwatoyosi Onwuemene received a K12 award and a Hemostasis and Thrombosis Research Society Mentored Research Award to support the development of her research project. She was also chosen as an American Society of Hematology Ambassador (to help promote diversity in the hematology workforce and was honored with the 2018 Wesleyan College Young Alumna Award. Dr. Onwuemene continues to expand her career development with through the Professional Mentoring Skills Enhancing Diversity (PROMISED) Program and three peer-reviewed publications. She is a multi-talented mentees and recently published a children's book “*My Hair is Beauty*” and 7 Laws of Black Hair. These latter publications demonstrate the creativity of the PRIDE mentees and contributions outside science.

Dr. Lori Vick published two peer-reviewed abstracts accepted at national meetings including the Foundation for Sickle Cell Disease Research 2018. Dr. Cecelia Valrie was promoted to Associate Professor in the Department of Psychology at Virginia Commonwealth University, VA and received an American Society of Hematology- Bridge Grant Award. Dr. Bianca Garner accepted the post of Provost/Vice President for Academic Affairs at Tougaloo College and received a NSF grant “Catalyst Project-Life STEM: Enhancing the Undergraduate Biology Curriculum to Increase Student Engagement”. Dr. Cheedy Jaja was the recipient of the Sickle Cell Healthcare Advocate of the Year award of the 5<sup>th</sup> Annual Sickle Cell Advocates of the Year Awards and was featured as the Closing Keynote Speaker at the 2018 ISONG Congress.

## Obesity Health Disparities

### OHD PRIDE Cohorts 4-6 & Mentor Accomplishments



The Obesity Health Disparities PRIDE (OHD PRIDE) Program consists of early-career and research-oriented faculty from underrepresented backgrounds and multiple disciplines including nutrition, women and gender studies, cardiovascular physiology, kinesiology, communications, social work, pediatrics, population health, public health, and psychology. The program has provided numerous opportunities for networking, career development, and enabled the scholars to receive significant feedback on their current projects.



**[L-R]:** Cohort 4 – Drs. Fiona Lewis, Dawn Thurman, Paul Archibald, Maryam Jernigan-Noesi, Lori Ward, & Krista Mincey. Not Pictured: Drs. Shani Collins-Woods & Monica Flippin-Wynn

#### Cohort 4 Highlights

- Dr. Paul Archibald received a pilot grant from Morgan State University to determine if effects of short-term and long-term stressful exposures affect physiological, psychological, and physical well-being of HBCU workers. **This grant was leveraged for a SCORE submission this past May.**
- Dr. Shani Collins-Woods accepted a position as Assistant Professor at Austin Peay State University in TN.
- Dr. Maryam Jernigan-Noesi accepted a position as Assistant Professor at Agnes Scott College in GA.
- Dr. Lori Ward accepted a position as Research Assistant Professor with the Department of Population Health Science in the UMMC John D. Bower School of Population Health in MS.

#### Recent Cohort 4 publications:

**Archibald P, Dobson-Sydnor K, Daniels K.** The role of racial identity in the relationship between life stressors and depressive symptoms among Black adults. *Urban Social Work*. In press.



## Obesity Health Disparities

### OHD PRIDE Cohorts 4-6 & Mentor Accomplishments



**[L-R]:** Cohort 5 – Drs. Joshua Kirven, Tanganyika Wilder, Carlos Cervantes, Janella Melius, Jameta Barlow, Gabrielle Smith, & E. Thomaseo Burton.

Not Pictured: Dr. Veronica Oates



**[L-R]:** Cohort 6 – Drs. Joyce Olutade, Trina Gipson-Jones, Joni Roberts, Michelle Williams, Desmond Delk, LaToya O’Neal, Che Harris, Jylana Sheats-Stuart, & Tangela Towns. Not Pictured: Dr. Adrienne T. Aiken-Morgan

#### Cohort 5 Highlights

Dr. Jameta Barlow accepted a position as Assistant Professor of Writing at the George Washington University in Washington, D.C.

Dr. Thomaseo Burton was lead author on a manuscript, “Caregiver feeding practices and weight status among African American adolescents: The Jackson Heart KIDS Pilot Study” with Drs. Tanganyika Wilder (Cohort 5), Bettina Beech and Marino Bruce (PRIDE mentors) in *Eating Behaviors*, 27: 33-38. Dr. Gabrielle Smith accepted a position as Assistant Professor at Texas Woman’s University in TX.

#### Recent Cohort 5 publications:

**Barlow JN, Dill L.** (2018). Speaking for ourselves: Reclaiming, redesigning, and reimaging research on black women’s health. *Meridians: feminism, race, transnationalism*, 16(2): 219-229.

#### Cohort 6 Highlights

- Dr. LaToya O’Neal received USDA funding for her project, *Advancing Rural HEALTH Education and Community Action*.
- Dr. Jylana Sheats-Stuart was accepted to Tulane’s five-year NIH-funded Building Interdisciplinary Research Careers in Women’s Health (BIRCWH) career development program.
- Dr. Michelle Williams accepted a position as Assistant Professor with the Department of Population Health Science in the UMMC School of Population Health.

#### Recent Cohort 6 publications:

**Aiken-Morgan, A. T., Gamaldo, A. A., Wright, R. S., Allaire, J. C., & Whitfield, K. E.** (2018). Stability and change in cognitive status classification among African American older adults. *Journal of the American Geriatrics Society*, 66(1), 179-183.

**Harris CM, Cheskin LJ, Gipson-Jones TL, Hartfield JA, Kisuule F.** (2018). Linking care of patients with obesity to outpatient weight control clinics following acute hospitalizations. *Diabetes Metab Syndr Obes*, 11:11-14.

## Obesity Health Disparities

### OHD PRIDE Cohorts 4-6 & Mentor Accomplishments



[Above]: During Summer 2017, cohorts 4-6 participated in NIH-sponsored conference, “A Disparities Paradox? Food Insecurity and Obesity Among Vulnerable Populations,” led by OHD PRIDE principal investigators, Drs. Bettina Beech and Keith Norris. This conference included a journal issue supplement in Family and Community Health (April/June 2018, Volume 41, S2, Food Insecurity & Obesity).

#### Recent Cohort 6 publication continued:

**Sheats JL**, Petrin, C., Darensbourg, R., Wheeler, M. (2018). A theoretically-grounded investigation of perceptions about healthy eating and mHealth support among African American men and women in New Orleans, Louisiana. *Family and Community Health*, 41: S15-S24.

**Williams MS**, Kenu E, Adanu A, Yalley RA, Lawoe NK, Dotse AS, Adu RF, Fontaine K. (2018). Awareness and beliefs about cervical cancer, the HPV vaccine, and cervical cancer screening among Ghanaian women with diverse education levels. *Journal of Cancer Education*, DOI: 10.1007/s13187-018-1392-y.

**Williams MS**, Kenu E, Dzubey I, Dennis-Antwi JA, Fontaine K. (2018). A qualitative study of cervical cancer and cervical cancer screening awareness among nurses in Ghana. *Health Care Women Int*, 39(5): 584-594.

#### Mentor Highlights

- Dr. Beech was awarded a Jackson Heart Study Graduate Training and Education Center at UMMC to provide training in cardiovascular health from a population health perspective to graduate students enrolled in health professional programs.
- Dr. Derek Griffith was promoted to Full Professor of Medicine, Health, and Society at Vanderbilt University.
- Dr. Roland Thorpe received a notice of award for a Resource Centers for Minority Aging Research (P30) NIA. Dr. Keith Norris was also part of a successful P30 award at UCLA.
- Dr. Thorpe received a K02, an Independent Scientist Award from NIA, focusing on Stress and Mortality among Black Men.

#### Recent OHD PRIDE publications:

Beech BM, Bruce MA, Thorpe, Jr. RJ, Heitman E, Griffith DM, Norris KC. 2018. “Theory-Informed Research Training and Mentoring of Underrepresented Early Career Faculty at Teaching-Intensive Institutions: The Obesity Health Disparities PRIDE Program” *Ethnicity and Disease*. 28(2):155-122.

Beech BM, Norris KC. Perspective: Person-Environment Congruence: A Call for Increased Precision in Matching Research Mentors and Mentees. *Ethnicity & disease*. 2018; 28(1):1-2.

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### *Summary of RISE Cohorts 4, 5, and 6 accomplishments*



**Cohort 4 – Top Row:** Ashley Butler, Nathalie Moise, Akilah Keita, Adithya Cattamanchi, Alicia Fernandez, Kirsten Bibbins-Domingo, Margaret Handley, Tiffany Carson, Adrian Aguilera. **Bottom:** Kristine Molina, Crystal Cene, Jessica Peña, Susan Brown, Kerri Vanderbom, Charles Jonassaint, Isaretta Riley and Purba Chatterjee

RISE welcomed its first (Cohort 4, n=12) of three cohorts during the summer of 2015 as part of the Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE), a research education and mentoring initiative sponsored by the National Heart, Lung and Blood Institute (NHLBI R25HL126146). The following two cohorts (Cohort 5, n=10 & Cohort 6, n=13) started the program during the summers of 2016 and 2017, respectively. As part of RISE, each cohort participated in four meetings throughout the year, which helped facilitate networking between RISE scholars and other colleagues across the country. In addition to these meetings, RISE scholars also participated in year round Works-In-Progress sessions and one-on-one mentoring with our RISE faculty. Since RISE started, a total of 5 K grants (Cohort 4 = 3, Cohort 5 = 2 and Cohort 6 = 0) and 4 R01 grants (Cohort 4 = 4, Cohort 5 = 0 and Cohort 6 = 0) have been awarded to our RISE scholars. 63 first-author papers (Cohort 4 = 36, Cohort 5 = 15, Cohort 6 = 12) and 151 non-first author papers (Cohort 4 = 82, Cohort 5 = 44 and Cohort 6 = 25) have been published. In addition, 16 scholars have been promoted to a new position (Cohort 4 = 9, Cohort 5 = 3 and Cohort 6 = 4). We are very proud of all the hard work our RISE scholars continue to do and for all their wonderful achievements they have accomplished along the way.



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### *Recent RISE Scholar Accomplishments*

#### Grants

##### Cohort 4

**Ashley Butler** - R25 (NIDDK)

**Akilah Dulin** – 2 R01s (NHLBI & NIMH)

**Nathalie Moise** – R01 (NHLBI)

##### Cohort 5

**Temitope Erinoso** – Internal grant (University of Research Council at UNC) & 3-month travel grant (Carnegie African Diaspora Fellowship Program)

**Kerri Morgan** (Cohort 5) – K12 (CORRT – A Multi-Center K-12 Career Development Program for Physical and Occupational Therapists)

##### Cohort 6

**Michelle Cardel** – K01 (NHLBI)

Iris Navarro-Millan – Seed Pilot Grant (Cornell Center for Health Equity)

**Charles R. Rogers** – K01 (NCI)



**Cohort 5 – Left to Right:** Kirsten Bibbins-Domingo, Valentin Prieto-Centurion, Meghan Lane-Fall, Temitope Erinoso, Bertha Hidalgo, Brooke Cunningham, Sherita Chapman-Smith, Kerri Morgan, Frank Bandiera, Sharmilee Nyenhuis, Adithya Cattamanchi, Alicia Fernandez and Margaret Handley

#### Promotions

##### Cohort 6

**Michelle Cardel** - Associate Director for the Center for Integrative Cardiovascular and Metabolic Diseases, University of Florida

**Fabian Johnston** – Associate Professor of Surgery and Oncology at John Hopkins

**Charles R. Rogers** – Tenure-track position as Assistant Professor in the Division of Public Health under the Department of Family & Preventative Medicine at the University of Utah School of Medicine

#### First Author Publications

##### Cohort 4

**Brown SD**, Kiernan M. Social influences on health behavior: New evidence and clinical opportunities. *Ann Fam Med*. 2018 Sept 10. [Invited commentary]

**Dulin A**, Risica PM, Ahmed R, Mello, J., Cardel M, Howe C, Nadimpalli S, Gans K. 2018. Examining neighborhood and interpersonal norms and social support on fruit and vegetable intake in low-income communities. *BMC Public Health* 18:455.

**Dulin A**, Quintiliani L, Buscemi J, Bell, B.M., Gans K, Yaroch A. 2018. SBM position statement: Increase Funding for fruit and vegetable production in Farm Bill reauthorization. *Translational Behavioral Medicine* (in press).

**Moise, Nathalie**, et al. "Sustainability of Collaborative Care Management for Depression in Primary Care Settings with Academic Affiliations across New York State." *Implementation Science*, vol. 13, no. 1, 2018, doi:10.1186/s13012-018-0818-6.



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### First Author Publications

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#### Cohort 5

**Erinsho T**, Vaughn A, Hales D, Mazzucca S, Gizlice Z, Treadway C, Kelly A, Ward D. The quality of nutrition and physical activity environments of child care centers across three states in the southern U.S. *Prev Med*. Aug; 113:95-101. Doi:10.1016/j.ypmed.2018.04.028. Epub 2018 Apr 30.

**Erinsho T**, Vaughn A, Hales D, Mazzucca S, Gizlice Z, Ward D. Participation in the Child and Adult Care Food Program is associated with healthier nutrition environments at family child care homes in Mississippi. Accepted for publication in the *J Nutr Educ Behav*. 2018 (May); 50(5): 441-450.

#### Cohort 6

**Bender, Melinda S.**, et al. "Filipinos Fit and Trim - A Feasible and Efficacious DPP-Based Intervention Trial." *Contemporary Clinical Trials Communications*, vol. 12, 2018, pp. 76-84., doi:10.1016/j.conctc.2018.09.004.

**Cardel M**, Lemas D, Lee A, Miller D, Huo T, Klimentidis Y, Fernandez J. Taq1a polymorphism (rs1800497) is associated with obesity-related outcomes and dietary intake in a multi-ethnic sample of children. *Pediatric Obesity*. In press.

**Cardel M**, Tong S, Pavela G, Dhurandhar E, Miller D, Boles R, Haemer M. Youth subjective social status (SSS) is associated with parent SSS, income, and food insecurity but not weight loss among low-income Hispanic youth. *Obesity*. Accepted.

**Navarro-Millán, Iris**, et al. "Lipid Screening and Statins alongside Disease-Modifying Anti-Rheumatic Drugs for Patients with Rheumatoid Arthritis." *Rheumatology*, 2018, doi:10.1093/rheumatology/key302.

**Rogers, C. R.**, \*Obidike, O. J., Wallington, S. F., \*Hussein, M., \*Mahamed, Z., & \*Sampson, J. (2018). A Qualitative Study of Barriers and Enablers associated with Colorectal Cancer Screening among Somali Men in Minnesota. *Ethnicity & Health*, TBD. doi:10.1080/13557858.2018.1493438. NIHMSID: 969603

**Rogers, C. R.**, Rovito, M. J., \*Hussein, M., \*Obidike, O. J., Pratt, R., Alexander, M., Berge, J. M., Dall'era, M., Nix, J., & Warlick, C. (in press). Attitudes of black Men toward Genomic Testing and Prostate Cancer Research. *American Journal of Preventive Medicine*, TBD. NIHMSID: 970515



**Cohort 6 – Left to Right:** Fabian Johnston, Saria Hassan, Charles R. Rogers, Melinda Bender, Safiya Richardson, Carlo Juárez, Jessica Fields, Margaret Handley, Vanessa Salcedo, Ifeyinwa Asiodu, Melissa Fuster, Marquita Genies, Michelle Cardel, Dana Carthron, Maria Garcia, Kaku So-Armah and Iris Navarro-Millan

**Special congratulations to Cohort 4, whose joint manuscript, "A seat at the table: Strategic engagement in service activities for early career faculty from underrepresented groups in the academy" was just accepted for publication in Academic Medicine!**

## PRIDE Leadership



**Standing [L-R]:** Victor Davila-Roman (CGE), Juan Gonzalez (FTG), Margaret Handley (RISE), Sonia Arteaga (NHLBI), Francisco Moreno (AHD), Gbenga Ogedegbe (BSM), Mohamed Boutjdir (CVD), DC Rao (CGE) Girardin Jean-Louis (BSM), Josephine Boyington (NHLBI), Marino Bruce (OHD), Alicia Fernandez (RISE), Bettina Beech (OHD)

**Seated [L-R]:** Nicole Redmond (NHLBI), Betty Pace (FTG), Kirsten Bibbins-Domingo (RISE), Donna Jeffe (PRIDE CC), Treva Rice (PRIDE CC)

**Not pictured:** Joe GN "Skip" Garcia (AHD), Keith Norris (OHD)

The primary goal of the **Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE)** is to encourage scientists and research-oriented faculty from diverse backgrounds to further develop their research skills and to gain experience in advanced methods and experimental approaches in basic and applied sciences relevant to heart, lung, blood, and sleep disorders.

**PRIDE Programs Funded  
by the  
National Institutes  
of Health /  
National Heart, Lung,  
and Blood Institutes**



**PRIDE COORDINATION CORE  
WASHINGTON UNIVERSITY  
IN ST. LOUIS**

**Biostat-pridecc@email.wustl.edu**

**For more information go to:  
[www.biostat.wustl.edu/pridecc/](http://www.biostat.wustl.edu/pridecc/)**



***Programs to Increase Diversity (PRIDE) is a consortium of NHLBI-funded Summer Institute Training Programs for Junior Faculty.***

- Each Summer Institute Training Program has the common goal of increasing the diversity among individuals who are engaged in health-related research
- Each Summer Institute Program has a unique, specialized research focus

### ***Eligibility Requirements***

To be eligible to participate in a PRIDE Summer Institute Training Program, you must:

- be a junior-level faculty member or scientist holding a doctoral degree, such as a PhD, MD, DO, DVM or a *transitioning*\* post-doctorate trainee
- be from a minority group that is under-represented in the biomedical or health sciences
- be a United States Citizen or Permanent United States Resident
- have a research focus that is centered on heart, lung, blood, or sleep disorders research; health disparities research relevant to heart, lung, blood, or sleep disorders; or relevant research methodologies and approaches specific to these areas

\**Transitioning* means that you have or will have received a formal faculty appointment by the time the Summer Institute Program convenes.

### ***General Program Structure***

- All expenses paid for a 3-week (on average) Summer Institute Training Program for two consecutive summers
- Year-long mentoring experience with recognized experts in the field
- Didactic coursework and hands-on practical training
- Specific training and coaching in grant-writing skills
- Mid-year meeting
- Annual Conference in Bethesda, Maryland