Special points of interest:

- Advanced Health Disparities Training (AHD) (page 3)
- Behavioral and Sleep Medicine (BSM) (page 5)
- Cardiovascular Genetics & Epidemiology (CGE) (page 8)
- Cardiovascular Health-Related Research (CVD) (page 10)
- Functional and Translational Genomics of Blood Disorders (FTG) (page 12)
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Cohort 6 proved to be filled with dynamic and motivated individuals, who came to the meeting ready to network with and learn from each other. With over 130 participants, the event was a huge success.

This issue of the PRIDE Newsletter summarizes our activities. Now, sit back and enjoy the recap!

Cohort 6 mentees, mentors, faculty, and staff pictured with Dr. David C. Goff, Director, Division of Cardiovascular Sciences, National Heart, Lung, and Blood Institute, National Institutes of Health.
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
AHD was thrilled to have all nine of our Cohort 6 trainees come to the annual meeting in Bethesda. Dr. Egbe Egiebor presented her work during the poster session. Drs. Angela Rivers and Brittany Smalls participated by presenting during Oral Platform Sessions. Drs. Lupita Montoya and Kathy Wright had their grant proposals reviewed. Drs. Nicole (Kau’i) Baumhofer, Karen Florez, Tanya Johns, and Carolyn Still were able to participate by serving as grant reviewers. We were also able to have two of our Core Mentors, Drs. Douglas Taren and Elizabeth Calhoun, make the trip from Tucson to show their support along with serving as grant reviewers.
In addition to our Cohort 6 trainees and mentors, we were fortunate to have Dr. Christian Bime and Dr. David Garcia from Cohort 4 and 5 (respectively) join us. Dr. Bime was invited to speak at the “Our Roads to Success” panel discussion. After having missed the trip to Bethesda last year in order to attend to the birth of his second child, Dr. Garcia joined this year’s group and participated by presenting a poster. His poster went on to win the 1st runner up prize in the conference poster contest! We’re happy to maintain these continued connections with our past cohorts and are proud of their work and individual paths towards success!
BSM Program Cohort 6 Attends Annual Meeting

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

Not pictured: Brian Gonzalez and Darigg Brown

BSM Cohort 6 trainees expressed their gratitude for the opportunity to participate in the various training sessions at the annual meeting held in Bethesda.

Dr. Chukwudi Ekwemalor presented his work on ‘Hypertension in African Americans and African immigrants in the United States: A systematic review’. Dr. Marquis Hawkins presented his work on Physical activity and sleep quality and duration among Hispanic postpartum women: Estudio PARTO. Dr. Teletia Taylor presented her work on ‘Fear of recurrence intervention to improve sleep quality in younger breast cancer survivors.’
Drs. Suzanna Martinez is grateful for having had her grant proposal reviewed. Drs. Kimberly Bell, Brian Gonzalez, Darigg Brown, and Robert Turner participated as grant reviewers during the Mock Review sessions. They expressed that participating in those sessions was an awesome experience. Dr. Natasha Williams, a PRIDE alumna, was very happy to serve as a senior reviewer during the Mock Review sessions.

Peer Mentoring Presentation

Left to right: Drs. Natasha Williams (Leader), Mentees: Marquis Hawkins, Lyndonna Marrast, Robert Turner, Brian Gonzalez, Melanie Austin-McCain, Azizi Seixas (Mentor)

BSM Peer Mentors and mentees were delighted to have participated in our platform presentation about the importance of peer mentorship in developing academic careers.
**Behavioral and Sleep Medicine**

**Poster and Oral Platform Presentation**

Dr. Teletia Taylor’s Poster Presentation

Dr. Chukiwudi Ekwemalor Oral Platform Presentation

Peer Mentorship team: Drs. Natasha Williams, Lyndonna Marrast, Marquis Hawkins, Robert Turner, Brian Gonzalez, Azizi Seixas, Melanie Austin-McCain and Girardin Jean-Louis
Cardiovascular Genetics and Epidemiology

CGE PRIDE Cohort 6 was excited to attend the 2018 Annual Meeting along with their Mentors

Left to Right: Gabriel de Erausquin, Holly Jones, Veronica Barcelona de Mendoza, Linda Schreier, Yvonne Ford, Kecia Carroll, DC Rao, Alfreda Holloway-Beth, Fabian Vazquez-Santiago, Dr. David Goff, Victor Davila-Roman, Lisa de las Fuentes, Carlos Barrero, and Susan Racette

Carlos Barrero, Veronica Barcelona de Mendoza and Mario Gil sit in anticipation as their grants were reviewed in the Grants Review Sessions.

Meanwhile, Mentees (Yvonne Ford, Alfreda Holloway-Beth, Holly Jones, and Fabian Vazquez-Santiago) and Mentors (Gabriel de Erausquin, Lisa de las Fuentes, and Susan Racette) were the Reviewers of Grants. Pictured above are Holly, Fabian, and Yvonne along with Mentor, Gabriel de Erausquin.

All agreed that process was very informational regardless of which side of the table they resided.
**Cardiovascular Genetics and Epidemiology**

Left: CGE Alumni Kecia Carroll (3rd from right) presented on the Panel Discussion of “Our Roads to Success” along with Alicia Fernandez (RISE), Charles Jonassaint (RISE), Christian Bime (AHD), Keith Norris (OHD), and Raymona Lawrence (FTG). Also pictured is Josephine Boyington, NHLBI Program Officer. **Right**: Alfreda Holloway-Beth speaking during the meeting.

All Mentees participated in scoring the Posters and hearing about the research projects of others.

Cohort 6 by the cherry blossoms in Bethesda, MD on the last day. Mentees: Carlos Barerro, Alfreda Holloway-Beth, Yvonne Ford, Mario Gil, Veronica Barcelona de Mendoza, Fabian Vazquez-Santiago, and Holly Jones.
Cardiovascular Health-Related Research

CVD Cohort 6 Attends Annual Meeting

PRIDE-CVD Cohort 6 Scholars participated in the PRIDE annual meeting (April 23rd-26th, 2018) held in Bethesda, MD. PRIDE-CVD scholars submitted grant proposals for review during the NIH mock study section and served as peer-reviewers. Several of our scholars also shared their research projects progress as oral presentations or poster presentations. Scholars also had the opportunity to network with other scholars from the larger PRIDE family and attended the numerous sessions on grantsmanship and career development and met with NIH program officers.

PRIDE-CVD Cohort 6 scholars came from the following institutions: Penn State University, Augusta University, California State University—Los Angeles, California State University—Long Beach, University of Michigan, Louis Stokes VA Medical Center, University of Illinois—Chicago, University of Houston, University of Mississippi Medical Center, Morehouse School of Medicine, Texas Tech University, Temple University, and the University of Miami. A group picture at the 2018 annual NIH meeting is shown below.

PRIDE-CVD Cohort 6 Scholar group picture at the 2018 annual NIH meeting: standing from left: Ademuyiwa Aromolaran, Mulubrhan Mogos, Rosenda Murillo, Eric Rivas, Denise Vidot, Mohamed Boutjdir, Portia Jackson-Preston, Vivian Dicks, Yendelela Cuffee, Lenette Jones, Gabriel Tajeu and Arnita Norwood.
Cardiovascular Health-Related Research

Dr. Mohamed Boutjdir (left), Program Director of PRIDE-CVD & Dr. Keydron Guinn (right), Vice President and Chief of Staff at SUNY Downstate award a graduation certificate to Dr. Nia Mitchell (center), PRIDE-CVD Cohort 5 Scholar.
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 office from NHLBI, Dr. Rita Sarkar. The evening was concluded with a FTGBD program dinner of wonderful fellowship including updates of mentee academic progress and planning for the final summer institute.

**2018 FTGDB PRIDE Meeting Attendees:** Oyebimpe Adesina, MD; Oluwakemi Badaki-Makun, MD, Betty Pace, MD, Rhea-Beth Markowitz, PhD, Mary Johnson, MSc, Second Row (L-R): Nadine Matthie, PhD, Li Liu, PhD, Jennell White, PhD, Nnenna Badamosi, MD; Third Row (L-R): Francesca Armer, PhD, Venee Tubman, MD, Dora Clayton-Jones, PhD, Donna Whyte-Stewart, MD; Back Row (L-R): Tasha Wyatt, PhD, Claudia Morris, MD, Lori Vick, PhD, Juan Gonzalez PhD.

**Summer Institute II July 16-27, 2018.** To kick off the last summer institute of this grant funding period, nine Cohort 4 mentees will return to Augusta University for a two-day overlap networking activity with Cohort 6 mentees. During the overlap, Dr. Rita Sarkar, NHLBI Program Officer will conduct a grant writing workshop. Over the remaining time, Cohort 6 mentees will complete additional training in grant preparation and an NIH-style one-on-one grant review. Didactic and lab practicum sessions related to proteomics and protein analysis, and professional development. Summer Institute II will conclude with a passionate graduation ceremony during which Cohort 6 mentees receive their certificates of completion and “The Grant Applications Writer Workbook.”

Cohort 6 is comprised of nine women performing sickle cell disease (SCD) research. Dr. Jennell White is a Research Scientist at Wayne State University and is interested in understanding and validating adhesion as a biomarker of SCD severity. Dr. Oluwakemi Badaki-Makun is an Assistant Professor at John Hopkins University and her research focus is on the discovery of biomarkers 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 the improvement of quality of life and self-management of individuals with SCD.

Dr. Donna Whyte-Stewart is an Assistant Professor at John Hopkins University and her research focuses 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 she conducts studies 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 the University of Wisconsin and her research focuses on health equity in adolescents/young adults with SCD during transition to adult care. Dr. Lori Vick is an Assistant Professor at Bradley University School and her research is on understanding the health outcomes of individuals with SCD. Dr. Nnenna Badamosi is an Assistant Professor at Augusta University; her research focuses on pulmonary function status in young children with SCD. Dr. Venee Tubman is an Assistant Professor at Texas Children’s Hospital and her research focuses is on the combined impact of SCD and malaria on the immunologic function of the spleen.
**Functional and Translational Genomics of Blood**

**FTG Mentee Promotions, National Meeting, Grants and Publications**

**Dr. Lori Vick (PRIDE 2, Cohort 6):** Dr. Vick is continuing to develop her research project with two peer-reviewed abstracts accepted at national meetings including the Foundation for Sickle Cell Disease Research meeting June 17, 2018, “Strategies to guide hydroxyurea adherence among patients with sickle cell disease: A systematic review” and the International Society of Nurses in Genetics Congress, October 26-28, 2018, “Why am I still in pain?” Genomic Testing for Refractory Pain Management in Sickle Cell Disease.

**Dr. Patricia Silveyra (PRIDE 2, Cohort 4):** Dr. Silveyra was promoted to Associate Professor of Pediatrics, Biochemistry and Molecular Biology, and Humanities. She was selected for the National Academy of Sciences “New Voices in Sciences, Engineering and Medicine” program inaugural inductees and received the American Physiological Society (APS) Respiration Section New Investigator Award. She was awarded an NHLBI R03HL141618 “Sex-Based Differences in Airway Structural Properties and Immune Response in HDM Challenged Animals”. Dr. Silveyra continues to contribute through peer-reviewed publications; Fuentes N, Roy A, Mishra V, Cabello N, Silveyra P. Sex-specific microRNA expression networks in an acute model of ozone-induced lung inflammation. Biology of Sex Differences (2018) 9:18. doi: 10.1186/s13293-018-0177-7.

**Dr. Oluwatoyosi Onwuemene (PRIDE 1, Cohort 3):** Dr. Onwuemene received a K12 award (7/17-6/19) and a Hemostasis and Thrombosis Research Society Mentored Research Award (10/2017 - 09/2019) to support the development of her research project. She was chosen as an American Society of Hematology Ambassador (2018 – 2021) to help promote diversity in the hematology workforce. Dr. Onwuemene was honored with the 2018 Wesleyan College Young Alumna Award (https://www.news.wesleyancollege.edu/single-post/2018/05/22/Dr-Oluwatoyosi-Fatunase-Onwuemene-03-Wins-Young-Alumna-Award). She continues to expand her career development with through the Professional Mentoring Skills Enhancing Diversity (PROMISED) Program and three peer-reviewed publications in high impact journals such as the Journal of Apheresis and J Clinical Apharesis. She is a multi-talented mentee and recently published a children’s book “My Hair is Beauty” by Toyosi Onwuemene and 7 Laws of Black Hair. These latter publications demonstrate the creativity of the PRIDE mentees and contributions outside of science.

**Dr. Cecelia Valrie (SIPID, Cohort 1):** Dr. Valrie was promoted to Associate Professor Department of Psychology, College of Humanities & Sciences, Virginia Commonwealth University, VA. She recently received an American Society of Hematology- Bridge Grant Award (2018-2019) to conduct research on her project titled “Prevalence and Predictors of the Chronic Sickle Cell Pain Phenotype”. This will allow her to generate additional data for resubmission of her R01 grant to NIH.
OHD PRIDE was represented by nine of its ten Cohort 6 scholars at the 2018 Annual PRIDE Meeting. The annual meeting provided numerous opportunities for networking and enabled the scholars to receive significant feedback on their current projects. Each scholar participated in one of the four participation methods (i.e., grant submission, grant review, poster presentation, and platform presentation).

[L]: Dr. LaToya O’Neal (University of Florida) presented her work on physical activity correlates among low-income African Americans (AA) in Alabama and Mississippi (MS).

[R; 2nd from Left]: Dr. Jylana Sheats (Tulane University) participated in the Mock Study Section as a grant reviewer.

[L; 2nd from Left]: Dr. Michelle Williams (Univ. of MS Medical Center) submitted a grant application for review. Her work proposes a CVD prevention intervention among AA breast cancer survivors in MS.

[R]: At our mentee dinner, we celebrated the birthday of Dr. Keith Norris (Multiple PI, OHD PRIDE)!
Obesity Health Disparities

OHD PRIDE Cohort 6 at the 2018 Annual PRIDE Meeting

[Posters L-R]: Drs. Desmond Delk (Langston University) & Trina Gipson-Jones (Hampton University)

[Posters L-R]: Drs. Che Harris (Johns Hopkins) & Adrienne Morgan (North Carolina A&T). Dr. Morgan won 3rd place in the poster competition!

[Posters L-R]: Drs. Joyce Olutade (Univ. of MS Medical Center) & Joni Roberts (Jackson State Univ.)
**Research in Implementation Science for Equity**

**RISE Cohort 6 attends 2018 PRIDE Annual Meeting**

Thirteen members of RISE Cohort 6 (C6), one member of RISE Cohort 5 (C5), one member of RISE Cohort 4 (C4), and the RISE faculty and staff team had a very productive experience at the PRIDE Annual Meeting in Bethesda, MD. Highlights from the meeting included Ifeyinwa Asiodu, RN, PhD, MS, Melissa Fuster, PhD, MS, and Iris Navarro-Millán, MD, MSPH presenting posters; Melinda Bender, PhD, APRN, Michelle Cardel, PhD, RD (C5), Charles Rogers, PhD, MPH, CHES, and Vanessa Salcedo, MD, MPH giving platform presentations; Maria Garcia, MD, MPH, MAS having her grant proposal reviewed; and Saria Hassan, MD, CPH winning the award for best poster for all of PRIDE! In addition, Safiya Richardson, MD, MPH, Kaku So-Armah, PhD, Marquita Genies, MD, MPH, Fabian Johnston, MD, MHS, and Dana Carthron, PhD, RN participated in grant review panels, sharing thoughtfully crafted feedback with their peers, and RISE alumnus Charles Jonassaint, PhD, MHS (C4) spoke on the *Our Roads to Success* panel about his personal and professional journey.

All the RISE Scholars enjoyed having the opportunity to build connections with the PRIDE Scholars and faculty from other PRIDE sites. In addition RISE Faculty Kirsten Bibbins-Domingo, PhD, MD, MAS led a workshop on abstract writing and presented about the NIH Review process from the reviewer’s perspective, Margaret Handley, PhD, MPH led a workshop on implementation science, and Alicia Fernandez, MD spoke on the *Our Roads to Success* panel sharing the narrative behind her career path. The RISE Faculty appreciated the high degree of engagement and participation of PRIDE Scholars from all the PRIDE sites.

Overall, the meeting was a success! Thanks so much to the PRIDE Coordination Core for all of their work in making the meeting run smoothly.
RISE Cohorts 5 and 6 attend RISE Mid-Year Meeting

Eleven members of RISE Cohort 6 (C6), seven members of RISE Cohort 5 (C5), and three members of RISE Cohort 4 (C4) attended this year’s RISE Mid-Year Meeting in Arlington, VA. The action-packed week began on Monday, December 4th with the 10th Annual Conference on the Science of Dissemination and Implementation in Health (10th Annual D&I Conference). RISE Scholars had the opportunity to listen to Sandro Galea, MD, MPH, DrPh give a keynote address, learn from a number of plenary sessions and present their work during poster sessions. RISE scholars also networked across cohorts during a RISE Meet & Greet on Monday night.

The RISE Mid-Year meeting began immediately after the conclusion of the 10th Annual D&I Conference. RISE Scholars kicked-off the meeting with two interactive poster sessions where they had the opportunity to present their work to other RISE Scholars and scientists who attended the 10th Annual D&I Conference. Amongst those in attendance were the NHLBI Center for Translation Research & Implementation Science Director, George A. Mensah, MD, FACC and NHLBI Program Officers, Josephine Boyington, PhD, MPH, Melissa Green Parker, PhD, LeShawndra Price, PhD, Nicole Redmond, MD, PhD, MPH, and Catherine Stoney, PhD. We were honored to have Josephine Boyington, PhD, MPH welcome the RISE Scholars and to have George A Mensah, MD, FACC give a keynote address sharing his personal perspective on Achieving Success in Challenging Times. This inspirational yet informative talk was followed by a Q&A with members of the NHLBI Center for Translation Research and Implementation Science (CTRIS).

The second day of the RISE mid-year meeting consisted of 30-minute Works-In-Progress (WIP) sessions in which each member of Cohort 6 had a chance to receive high quality feedback from their peers, including other members of Cohort 5, Cohort 6, and RISE PIs. The scholars left the meeting with new insights on how to continue refining their grant proposals and papers for upcoming submissions. The meeting concluded with one-on-one mentoring time between RISE Scholars and their primary RISE mentors.

We look forward to seeing all the RISE Scholars again in San Francisco in July 2018 for a RISE Symposium to kick off Cohort 6’s final Summer Institute!
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.

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)
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