

Curriculum Vitae
Antentor Othrell Hinton Jr. Ph.D.

PERSONAL INFORMATION

Professional Address: The University of Iowa, Fraternal Order of the Eagles Diabetes Research Center, Roy J. and Lucille A. Carver College of Medicine, 4312 Papa John Biomedical Discovery Building, 169 Newton Road, Iowa City, IA 52242

Phone: 319-353-5170

Fax: 319-335-3865

Email: Antentor-Hinton@uiowa.edu (Iowa email), gprotein86@gmail.com (Personal email)

Linkedin: <https://www.linkedin.com/in/biogeek26>

Research Gate: https://www.researchgate.net/profile/Antentor_Hinton_Jr

Twitter: [@phdgprotein86](https://twitter.com/phdgprotein86)

PRESENT ACADEMIC POSITION

Visiting Research Fellow Appointment, Mayo Clinic, Mayo Microscopy and Cell Analysis Core 2020- present

Postdoctoral Research Fellow, Department of Internal Medicine, University of Iowa 2016-present

Academic and Career Development Instructor for the Carver College of Medicine

Diversity and Inclusion Office 2017-present

EDUCATION

Doctor of Philosophy in Integrative Molecular and Biomedical Sciences 2016
Baylor College of Medicine

Post-bac in Cell and Molecular Biology 2011
Baylor College of Medicine

Bachelor's in Science in Biology 2010
Winston-Salem State university

HONORS AND AWARDS

Funding Awards:

Minority Access to Research Careers Undergraduate Student Training in Academic Research (MARC U*STAR) Scholarship @WSSU, T-34 (2008-2010)

NIH/NIDDK Research Supplement to Promote Diversity in Health- R e l a t e d Research from parent grant, R01-DK-093587-01 @BCM (2012)

Dean's Award (\$3,000) @BCM (2015)

Awarded NRSA, F31 HL128054-01 @BCM (\$85,350) (2015)

University of Iowa's Carver College of Medicine Postdoctoral Scholarship (\$7,500) @UIOWA (2016)

Institutional Cardiovascular Research Center Training Grant, T32 HL007121 @UIOWA (2017)

Burroughs Wellcome Fund Postdoctoral Enrichment Program Award @ UIOWA, (\$60,000) (2017)

Ford Foundation Postdoctoral Fellowship Award (2019)

NIH Loan Repayment Program Grant (2019)

EE Just Postgraduate Fellowship in Life Sciences (2020-2023, \$470K, 157,750 per year)

Mentoring and Service Awards:

Winston-Salem State University's Dean's Award for Student Service (2010)

Winston-Salem State University's Alumni Achiever Award for the Department of Natural and Physical Sciences (2016)

Speaking Honorarium, Guest Speaker at Fisk University for Cool Science Café Lecture Series, November (2017)

Nominee for the 2018 Diversity Catalyst Award, University of Iowa

Iowa Center For Research by Undergraduates (ICRU) Distinguished Mentor Award (April 2018)

University of Iowa's Center for Diversity & Enrichment's Distinguished Educator Award (May 2018)

Speaking Honorarium, Guest Speaker at University of Hawaii- Hilo for the SHARP Lecture Series, (February 2019)

Metro Nashville Public Schools- Madison Middle School Featured Scientist of the Month for August, Nashville, TN (August 2019)

Louis Stokes Alliances for Minority Participation (LSAMP) IINSPIRE Excellence in Mentoring Award (February 2020)

Speaking Honorarium, Vanderbilt University, Discovery Sciences Emerging Scholars Lecture Series (March 2020)

Speaking Honorarium, Meharry Medical College Presidential Lecture Series (March 2020)

2020 Diversity Catalyst Award, University of Iowa

Research Awards:

Claude W. Smith Fellowship Award for Award for Outstanding Qualifying Exam (2013)

Claude W. Smith Fellowship Award for Award for Outstanding Research Performance (2014)

Poster/Oral Awards: National Research Conference Awards:

Dolores Shockley Best Abstract Award (ASPET Poster Award, 2013)

Best Oral Presentation in Biochemistry and Molecular Biology at the National Student Research Forum (2015)

National Medical Conference Awards:

1st place poster at the Annual Medical World Americas Conference and Expo (2015)

Poster/Oral Awards: Regional:

2nd place at the Baylor College of Medicine Graduate Symposium (2/220 Participants and first second year graduate student to win in 20 years, 2012)

1st Place and Best Poster, Cell and Molecular Biology (CMB) Conference and Retreat (2013)

2nd place, Baylor College of Medicine, Graduate Symposium (2/220 participants, 2013)

1st Place and Best Poster, Integrative Molecular Biomedical Sciences (IMBS) Conference and Retreat, (tied for 1st, 2014)

3rd Place Oral Presentation at the Society of Chinese Bio-scientist of America-Texas chapter (2015)

Most outstanding entry (Best Poster) for the Carver College of Medicine Health Sciences Research Week for Postdoctoral poster competition (2017).

Mini-symposium Oral Presentation Award for the Carver College of Medicine Health Sciences Research Week (2019)

NIH/NIDDK Basic Science Research Award for an exemplary research presentation at the NMRI Mid-West Regional Workshop (Nov 2019)

Travel Awards:

Travel Award for the 52nd Annual Short Course on Medical and Experimental, Mammalian Genetics held by the Jackson Laboratory, Bar Harbor, ME (2011)

FASEB MARC/ASPET Travel Award for the Experimental Biology Conference, Boston, MA (2013)

FASEB Travel Award to the Institute on Teaching & Mentoring, Arlington, VA (year 1, 2013)

FASEB Travel Award to the Institute on Teaching & Mentoring, Atlanta, GA (year 2, 2014)

APS Minority Travel Fellowship Awards to attend 2015 Experimental Biology Conference, Boston, MA (2015)

Endocrine Society's FLARE Mentoring Network travel award (Allows you to visit another endocrinologist in the field and discuss a post- doctoral opportunity), Atlanta, GA (2015)

Hypertension Canada's Trainee Travel Award, Toronto, CA (2015)

NSF-AGEP BIG 10 Academic Alliance Conference Travel Reimbursement (2019)

UIPDA/Graduate College Virtual Conference Award (2020)

Career Development Awards:

Scientist Mentoring & Diversity Program for Medical Technology (SMDP MedTech Scholar), Washington, D.C. (2013)

Building Future Faculty Program at North Carolina State University, Raleigh, N.C. (2015)

Endocrine Society's FLARE Internship (one-year intern commitment to a society governance committee)
Washington, D.C. (May 2015- May 2016)

Endocrine Society's Future Leaders Advancing Research in Endocrinology (FLARE) Workshop Award, Atlanta, GA (2015)

Virginia Tech's Future Faculty Development Program, Blacksburg, VA (2016)

University of Iowa AGEP Post-doctoral Fellow Program, CIC (Big Ten Alliance) Professorial Advancement Initiative), Iowa City, IA (2016)

American Society for Cell Biology (ASCB) Faculty Research and Education Development (FRED) Mentoring Program (2019)

AD HOC SCIENTIFIC JOURNAL REVIEWER

Neuroscience

AJP-Heart and Circulatory Physiology

TEACHING EXPERIENCE

Instructor/Postdoc Team Teaching with Dr. Abel:

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (**240 hours**, Fall 2016)

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (**240 hours**, Spring 2017)

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (**240 hours**, Fall 2017)

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (**240 hours**, Spring 2018)

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (**240 hours**, Fall 2018)

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (**240 hours**, Spring 2019)

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (**240 hours**, Fall 2019)

Postdoc Teaching- URES: 3994 Undergraduate Research/Creative Projects (Spring 2020-in progress)

Visiting Instructor at Winston-Salem State University:

Visiting Instructor in Cell Biology (Volunteered), Winston-Salem State University, sponsored by Dr. Morris J. Clarke (clarkemj@wssu.edu) Taught Cell Biology, Human Biology of Disease, Introduction to Forensic Science, Ethics, and Honors Inquiry Based Seminar (**40hours**, April 2016-Aug2017)

Visiting Instructor in Neuroscience (Volunteered), Winston-Salem State University, sponsored by Dr. Azeez Aileru (aileraa@wssu.edu)-Taught Ethics and Neuroethics, and MARCUSTAR Specific class on Graduate School Development (**40 hours**, Aug 2017-Jan 2017)

Guest Lecturer/Lecturer:

Lecturer, Cell and Molecular Biology Review Course Baylor College of Medicine, Houston, TX, sponsored by Dr. Laurie Connor(lconnor@bcm.edu).(CHS.12,13,and15)(**40hours**,July 2012-July 2015)

Guest Lecturer, Molecular Biology of Cell, Baylor College of Medicine, Houston, TX Cellular signaling, molecular

methods, and hormones, sponsored by Dr. Laurie Connor (lconnor@bcm.edu) (**13 hours**, March 2014-March 2015)

Guest Lecturer, University of Iowa, Iowa City, Q&A Discovery Session, “Life after the PhD for SROP students, sponsored by Mrs. Sproles (diana-sproles@uiowa.edu) (**2 hours**, June 2017)

Guest Lecturer, University of Iowa, Iowa City, The Do’s and Don’ts of Poster construction, sponsored by Mrs. Sproles (diana-sproles@uiowa.edu) (**2 hours**, July 2017)

Guest Lecturer, University of Iowa, Iowa City, Effective Abstract Construction(Round table sponsored by Mrs. Sproles (diana-sproles@uiowa.edu) (**2 hours**, July 2017)

Guest Lecturer, University of Iowa, Iowa City, The Do’s and Don’ts of Poster construction, sponsored by Mrs. Sproles (diana-sproles@uiowa.edu) (**1 hour**, July 2018)

Guest Lecturer, University of Iowa, Iowa City, The Do’s and Don’ts of Poster construction, sponsored by Mrs. Sproles (diana-sproles@uiowa.edu) (**1 hour**, June 2019)

Teacher Assistant:

Teacher Assistant for Biochemistry Laboratory, Winston-Salem State University, Position was sponsored by Dr. Jill Harp-Keith (harpj@wssu.edu). (**70 hours**, August 2009 –May2010)

Teacher Assistant for General Biology, Winston-Salem State University, Position was sponsored by Dr. Jill Harp-Keith (harpj@wssu.edu). (**40 hours**, January-March 2010)

Teacher Assistant for Organization of the Cell, Baylor College of Medicine, Position was sponsored by Dr. Rick Sifers (rsifers@bcm.edu) (**350 hours**, August 2013- September 2015)

Teacher Assistant for Director’s Course, Baylor College of Medicine, Position was sponsored by Dr. Frederick A. Pereira (fpereira@bcm.edu) (**225 hours**, May 2014-May 2015)

Tutoring:

Private Tutoring in General Biology (did not take), Cell Biology (B) and Cell Biology Lab (A), Medical Physiology and Pharmacology (B), Botany (A), Zoology (A), Fundamentals of Anatomy and Physiology(A), Genetics Lab (A), General Chemistry I (A) and II (A), General Physics I (A) and II (A), Developmental Biology Lab (A), for Winston-Salem State University Students’ in the Biology Department (**Volunteer, 750 Hours**, August 2008- May 2010)

Initiative to Maximizing Student Development (IMSD) tutor for Organization of the Cell (O.C.) and Molecular Methods Baylor College of Medicine, sponsored by Dr. Gayle Slaughter (gayles@bcm.edu) and Laurie Connor(lconnor@bcm.edu). (**685 hours**, August 2013- September 2015)

Initiative to Maximizing Student Development (IMSD) tutor for Neuroscience and Gene Regulation, Baylor College of Medicine, sponsored by Dr. Gayle Slaughter (gayles@bcm.edu) and Laurie Connor (lconnor@bcm.edu) (**505 hours**, January 2014-March 2016)

CAREER DEVELOPMENT ACTIVITIES

Postdoc:

Member of the **Advisory Committee** for PREP@Iowa (April 2018-present) Position is sponsored by Dr. Donna Hammond (donna-hammond@uiowa.edu)

Member of **WSSU DBS Alumni Mentorship** Program (Jan 2019-present) Position is sponsored by Dr. Haysetta Shuler (shulerh@wssu.edu)

Member of the **WSSU Science Advisory Board** (Jan 2020-present) Position is sponsored by WSSU (25 member board)

Graduate School:

IMSD Steering Committee Position was sponsored by Dr. Gayle Slaughter (gayles@bcm.edu), **Baylor College of Medicine**, Houston, TX (Jan 2013-July 2015)

President of Association of Graduate Science (AGSD, Jan 2013-July 2015) by Dr. Gayle Slaughter (gayles@bcm.edu), **Baylor College of Medicine**, Houston, TX

Vice President/Coordinator for African American Men's in Science (AAMIS, Jan 2013-Dec 2015) by Dr. Chester Brown (cbrow171@uthsc.edu), **Baylor College of Medicine**, Houston, TX (now at UT)

MENTORING ACTIVITIES

Medical:

Kanae Tani, Medical Student from Kindai University. She is a participant in the Summer Research Exchange Program at the University of Iowa (July 2017- August 2017)

Yuki Mizumori, Medical Student from Kindai University. He is a participant in the Summer Research Exchange Program at the University of Iowa (July 2017- August 2017)

Graduate (Mentor):

Zachary Criss, Ph.D. student in the Translational Biology and Molecular Medicine Program at Baylor College of Medicine. Award won: BRASS Scholar, HHMI Gilliam Fellowship
2nd place poster at TBMM conference (August 2013-present)

Alex Henderson, University of Alabama-Birmingham, Master's Degree in Biomedical Sciences Award: Joint Annual Research Symposium (JARS) 1st Oral Presentation (undergrad at Tuskegee University, May 2014 present)
(graduated with M.S.)

Val Jordan, student in the Molecular Physiology & Biophysics Program at Baylor College of Medicine
(graduated with Ph.D.)

Doris Taylor, student in the Biochemistry Program at Baylor College of Medicine

Briana Whitehead, student at Fisk University, Fisk-Vanderbilt Masters-to-PhD Bridge Program (**Graduated with M.S.**). Starting Ph.D. (September 2017- present)

Graduate (Class, Tutoring, Qualifying Exam and Experimental Help):

Phoebe Lewis, student in the Translational Biology and Molecular Medicine Program at Baylor (**graduated with Ph.D. 2018**) 3rd place poster at BCM Graduate Symposium (August 2014-August 2015)

Ian Eugene Copeland, student in the Human Molecular Genetics Program at Baylor College of Medicine (August 2015- May 2016)

Asante Hatcher, student in the Neuroscience Program at Baylor College of Medicine, Award won: HHMI Gilliam Fellowship (August 2015- May 2016) **graduated with Ph.D.**

Dany Roman, student in the Integrative Molecular and Biomedical Sciences Program at Baylor College of Medicine (August 2015-May 2016) **graduated with Ph.D.**

Wanderson Cabral De Rezende, student in the Pharmacology Program at Baylor College of Medicine, Award won: BRASS Scholar (August 2015- May 2016)

Darius Devlin, student in the Translational Biology and Molecular Medicine Program at Baylor College of Medicine (August 2015- May 2016) **graduated with Ph.D.**

Secondra Holmes, student in the Pharmacology Program at Baylor College of Medicine (August 2015-May 2017)

Sharon (Idiga) Jensen-Cody, student in the Molecular and Cellular Biology Program (Molecular Medicine) (Qualifying Exam Help) **graduated with Ph.D.**

Jordan Fuqua, student in Physiology Program at the University of Iowa (Qualifying Exam Help, October-November 2017)

Graduate (Grant Writing Help):

Franklin Bright, student in the Molecular and Cellular Biology Program (Molecular Medicine) at the University of Iowa (May 2017-Sept 2017): SMDP Workshop & Internship. **Graduated with Ph.D.**

Post-bac Program:

Theo Busby, Baylor College of Medicine GREAT-post-bac Ph.D. program at University of Alabama- Birmingham (August 2013-Aug 2016)

MENTORING ACTIVITIES Undergraduate:

Shamir Baldwin, Completed B.S. at WSSU, **Completed Masters**, Middle and High School Science Teacher (August 2012-August 2017)

Joab Odera, Completed B.S. at WSSU entered Ph.D. program in Integrated Biosciences (INBS) at North Carolina Central University (Fall 2015) (August 2012 - present). **graduated with Ph.D.**

Adriance Edington, undergraduate at Winston-Salem State University. Award won: Secured an Internship with Wake Forest (EICS), Summer 2017 (August 2014 – graduated with B.S.) **Starts PA school**

Ariel Edington, undergraduate at Western Carolina University, Award Won: Secured an Internship with

Duke University (SROP) Summer2017 (August 2015 – graduated with B.S.)

Thomas Fair, undergraduate at Winston-Salem State University. Award won: Secured a RISE Award and will matriculate into the Baylor College of Medicine Post-bac Program (Fall 2018) Ph.D. program at BCM (August 2015 – present)

Serif Bacevac, undergraduate at University of Iowa Award Won: Secured an 2017 LSAMP Scholar, Bright Scholar of Iowa and Advantage Iowa Scholar (November 2016 – graduated). B.S. and **Medical Scribe**

Yahang Li, undergraduate at University of Iowa Award Won: Secured an ICRU fellowship at the University of Iowa for Summer Research (February 2017-present, **graduated B.S.**, in matriculated into **Ph.D. program**)

Muhammad Aftab, undergraduate at University of Iowa (February 2017- December 2017 **graduated B.S.**, Medical Assistant). applying to MD/DO schools.

Ariana Dewan, undergraduate at University of Iowa (May 2017-November 2017). **Graduated B.S.**, applying to MD/DO schools.

Stanley Marcus Jenkins, undergraduate at Fayetteville State University (August 2014 –present, graduated B.S., Accepted to MBA program)

Margaret Mungai, undergraduate at University of Iowa, Award Won: Secured an 2018 LSAMP Scholar Award, SHPEP scholar. Excellence in Undergraduate Research Award (**Prestigious Undergraduate Award only 5 given to undergraduate population**) **2020 Fulbright Awardee** (August 2017 – present).

Leo “Jake” Kazma, undergraduate at University of Iowa, Award Won: Secured an ICRU fellowship at the University of Iowa for Fall and Spring Research (May 2018-present)- Accepted into **University of Iowa’s Dental School**

Elge “Tony” Stevens, undergraduate at Xavier University of Louisiana (July 2018-present). 2019 SHPEP Scholar and Summer Intern.

Benjamin Kirk, undergraduate at University of Iowa (August 2018-present) Secured an 2018-2019 LSAMP Scholar, Secured a 2019 IBA Scholar Award. Excellence in Undergraduate Research Award (**Prestigious Undergraduate Award only 5 given to undergraduate population**)

Tiffany Dean, undergraduate at Winston-Salem State University (August 2018-present), Post bac Student at University of South Carolina Medical Center. **Graduated B.S., Finished Post Bac**, applying to Ph.D.

Jacob Lam, undergraduate at University of Iowa (Jan 2019- present). Secured an ICRU fellowship for Summer Research

Han Le, undergraduate at Nebraska Wesleyan University 2019 LSAMP Summer Intern (Summer 2019).

Innes Hicsasmaz, undergraduate at Case Western Reserve University (Summer 2019). **Graduated B.S.**

Ochain Okey, undergraduate at Luther College 2019 SHPEP Scholar and Summer Intern (Summer 2019)

PUBLIC PRESENTATIONS OF RESEARCH

Oral Presentation

5th Annual REACH IRACDA Symposium, Houston, Texas (Invited Speaker, 2014)

Summer Medical and Research Training (SMART) Program, Houston, Texas (Invited Speaker, 2014)

Winston Salem State University's Project Strengthen, Winston Salem, NC (Invited Speaker, 2014)

Debakey High School for Health Professions, Houston, TX (Invited Speaker, 2014)

Building Future Faculty Program, NC State University, Raleigh, NC (2015)

N a t i o n a l Student Research Forum, Galveston, TX (2015)

Society of Chinese Bioscientists of America -TX Annual Symposium, Houston, TX (2015)

Canadian Hypertension Congress, Toronto, Ontario, Canada (2015)

3rd Congress on Steroid Research, Chicago, IL (2015)

Winston Salem State University's Project Strengthen Workshop Series (Invited Speaker, 2016)

Winston Salem State University's MARC U* STAR Seminar Series (Invited Speaker, 2017)

North Carolina A & T University's Biology & MARC U * STAR Seminar Series (Invited Speaker, 2017)

Duke University's BioCORE (IMSD) student Seminar Series (Invited Speakers, 2017)

Fisk University's Cool Science Café (Invited Speakers, 2017)

Baylor College of Medicine's AGSD Black History Discussion Panel (2018)

The 2017-18 Annual Conference for IINSPIRE Louis Stokes Alliance for Minority Participation (2018, Keynote and Discussion Panel)

Gettysburg College's BASS Seminar Series (Invited Speakers, 2018)

Xavier University of Louisiana, Chemistry and MARC U* STAR Seminar Series (2018)

Baylor College of Medicine's AAMIS Seminar on Cultivating Black Excellence (2018)

The University of the Virgin Islands- St. Thomas and St. Croix– MARC U* STAR Seminar Series (2018)

The 2018-19 Annual Conference for IINSPIRE Louis Stokes Alliance for Minority Participation (Feb 2019)

University of Hawaii- Hilo MARC U* STAR (SHARP Scholars) Seminar Series (Feb 2019)

Health Sciences Research Week, Iowa City, IA (May 2019)

Summer Health Professions Education Program (SHPEP) conference – Building the Next Generation of Academic Physicians (BNGAP, June 25, 2019)

Winston- Salem State University MARC and RISE Seminar Series (September 24th to September 27th)

University of Texas- El Paso Student Seminar Series (September 27th to October 1st)

Iowa Microscopy Symposium (October 2, 2019)

Washington University- St. Louis Student Seminar Series (October 9, 2019)

Harris-Stowe State University Student Seminar Series (October 10, 2019)

Mountain Area Health Education Center (MAHEC) 20th Health Careers Education Awareness Conference (EAC) (October 15, 2019)

MAHEC/ University of North Carolina Asheville Seminar Series (October 16-20, 2019)

Institute on Teaching and Mentoring (October 24-27, 2019)

SACNAS *Inclusion in STEM Track* Out in STEM: Creating a Space for LGBTQ+ Inclusion (October 31st 2019- November 2nd)

Burroughs Wellcome Fund Biennial STEM Awardees Conference 2019 (Discussion Panel)

NIDDK's Network of Minority Health Research Investigators (NMHRI) Midwest Regional Workshop (November 14-15, 2019)

University of Puerto Rico- Ponce RISE Student Seminar Series (November 2019)

Ponce Health Science University RISE Student Seminar Series (November 2019)

American Society of Cell Biology MAC Transitions Academy Sessions- Academy - Senior Graduate Student Session (Discussion Panel) (December 2019)

Weill Cornell Initiative to Maximize Student Development Lecture Series (February 10, 2020)

Vanderbilt University Discovery Science Emerging Scholars Lecture (March 2020)

Meharry Medical College Discovery Science Emerging Scholars Lecture (March 2020)

University of Pittsburgh Department of Cell Biology Seminar Series (May 2020- ***invited and scheduled, however canceled secondary to the COVID19 Pandemic***)

RISE and LSAMP Combined Conference at the University of Hawaii- Hilo (August 6-7, 2020)

High Point University Senior Seminar Series (September 17, 2020)

Poster Presentations

Annual Biomedical Research Conference for Minority Students (ABRCMS), Orlando, FL (2008)

SROP Poster Symposium, Duke University, Durham, NC (2008)

CIC/SROP Conference, University of Michigan Ann Arbor, MI (2009)

Annual Biomedical Research Conference for Minority Students (ABRCMS), Phoenix, AZ (2009)

Senior Research Symposium & Undergraduate Forum 2010, Winston-Salem, NC (2010)

52nd Annual Short Course on Medical and Experimental Mammalian Genetics, the Jackson Laboratory, Bar Harbor, Maine (2011)

Cell and Molecular Biology, Research Conference and Retreat, Houston, Texas (2013)

Experimental Biology Conference, Boston, MA (2013)

Integrative Molecular and Biomedical Sciences Research Conference and Retreat, Houston, Texas (2014)

Cardiovascular Research Institute Symposium, Houston, Texas (2015, 2014, 2013)

Annual Graduate Symposium and Conference, Houston, Texas (2014, 2013, 2012)

Medical World Americas Conference, Houston, TX (2015)

6th Annual REACH IRACDA Symposium, Houston, Texas (2015)

3rd Congress on Steroid Research, Chicago, IL (2015)

Health Sciences Research Week, Iowa City, IA(2017)

Abboud Cardiovascular Research Center Symposium, Iowa City, IA (2017)

Fraternal Order of Eagles Diabetes Research Center research Day, Iowa City, IA (2018, 2017)

Mitochondrial Biology in Heart and Skeletal Muscle Mitochondria, Keystone Symposium, Keystone, Colorado (January 2019)

Mitochondria in Health and Disease, Gordon Conference (March 2019)

American Society of Cell Biology Conference (Dec 2019)

SCIENTIFIC MEETING ORGANIZER

Organized the 2014 Integrative Molecular and Biomedical Sciences Conference and Retreat, which hosted 1st year to 7th year graduate students at Baylor College of Medicine, a keynote speaker, Dr. Joseph L. DeRisi, Howard Hughes Medical Institute Investigator, Professor, Tomkins Chair of Biochemistry & Biophysics and several current BCM faculty short talks. The title of the Keynotes presentation was “[New Frontiers in Genomics and Infectious Disease](#)”. This event also provided opportunities for 2nd year and above students to present posters and short talks.

Professional Societies

National:

American Society for Cell Biology (ASCB) 2019-present

American Heart Association (2013-Present)

The Endocrine Society (2012-Present)

American Physiological Society (2012-Present)
Society of Neuroscience (2013-2015; 2019
present)

Bibliography

Postdoc Publications:

FIRST AUTHOR PUBLICATIONS:

First authors:

- **Antentor Hinton, Jr.***, Prasanna Katti*, Katherine Walters*, Jessica Ponce, Chris Bleck, Ahmad Alghanem, Youngdo Koo, Marcelo Correia, Pablo Campos Morales, Andres Dajles, Margaret Mungai, Jesse Cochran, Yahang Li, Serif Bacevac, Jianqiang Shao, Leo “Jake” Kazma, Benjamin Kirk, Ariana Dewan, Innes Hicsasmaz, Han Le, Kanae Tani, Jacob Lam, Jordan Samuel, Thomas Moninger, Rajan Sah, Chad Grueter, Sergio Lavandero, Randy Nessler, Brian Glancy, Renata O. Pereira, and E. Dale Abel **“A Pragmatic Approach to Standardizing Ultrastructure Morphology.” (Pre-Submitted to Nature Methods).**
- **Antentor Hinton, Jr.***, Prasanna Katti*, Jennifer Streeter, Jessica Ponce, Ahmad Alghanem, Ph.D, Youngdo Koo, Ph.D., Pablo Campos Morales, Margaret Mungai, Jesse Cochran, Yahang Li, Serif Bacevac, Leo “Jake” Kazma, Benjamin Kirk, Ariana Dewan, Kanae Tani, Jacob Lam, Thomas Moninger, Yuan Zhang, Innes Hicsasmaz, Han Le, Kaihua Liu, Rhonda Souvenir, Eric Weatherford, Duane Hall, Ochain Okey, Katherine Walters, George Marcotte, Elge Stevens, Jordan Samuel, Chad Grueter, Sergio Lavandero, Christopher Adams, Brian Glancy, Renata O. Pereira, and E. Dale Abel **“OPA-1 Deficiency in Skeletal Muscle Increases Mitochondrial-Endoplasmic Reticulum Contact Formation through ATF-4 transcriptional activation” (In preparation).**
- Prasanna Katti*, Antentor Hinton, Jr*, Margaret Mungai, Jennifer Streeter, George Marcotte, Thomas Rutkowski, Christopher Adams, Renata O. Pereira, and E. Dale Abel, Brian Glancy, **“ATF4 regulates mitochondrial metabolism in skeletal muscle (In Preparation)**
- **Antentor Hinton, Jr.***, Prasanna Katti*, Margaret Mungai, Youngdo Koo, Ph.D., Jennifer Streeter, Jessica Ponce, Ahmad Alghanem, Ph.D, Pablo Campos Morales, Jesse Cochran, Yahang Li, Serif Bacevac, Leo “Jake” Kazma, Innes Hicsasmaz, Han Le, Benjamin Kirk, Ariana Dewan, Kanae Tani, Jacob Lam, Thomas Moninger, Yuan Zhang, Rhonda Souvenir, Eric Weatherford, Katherine Walters, Duane Hall, Elge Stevens, Ochain Okey, Jordan Samuel, Arlene Nyambura, Chad Grueter, Sergio Lavandero, Brian Glancy, Antonio Zorzano, Renata O. Pereira#, and E. Dale Abel **“OPA-1 Deficiency in Skeletal Muscle Increases Mitochondria-Lipid Droplet Contact Formation through MFN-2 tethering” (In preparation).**

Review:

- **Antentor Hinton, Jr.**, Greg Collins, Margaret Mungai, Rebecca Autenried, Eric Weatherford, E. Dale Abel, Vernat Exil **Emerging role of transmembrane protein 135 (TMEM135) in metabolism (In preparation)**

Co-authors:

- *Jessica M. Ponce; Grace Coen; Kathryn M. Spitler; Nikola Dragisic; Ines Martins, Antentor Hinton, Jr., Margaret Mungai; Satya Murthy Tadinada; Hao Zhang, Gavin Y. Oudit; Long-Sheng Song; Na Li, Peter, Sicinski; Stefan Strack; E. Dale Abel; Colleen Mitchell; Duane D. Hall and Chad E. Gruete***“Stress-Induced Cyclin C Translocation Regulates Cardiac Mitochondrial Dynamics” (Accepted to Journal of American Heart Association-In Press, 2020).**
- Paper – under review for patent (**submitted to Cell Metabolism**)
- Ashutosh Kumar, Litao Xie, Chau Ma Ta, **Antentor Hinton Jr**, Susheel K. Gunasekar, Rachel Minerath, Karen Shen, Joshua M. Maurer, Chad Grueter, E. Dale Abel, Gretchen Meyer³, Rajan Sah*¹ **SWELL1-LRRC8 complex regulates skeletal muscle intracellular signalling, adiposity and glucose metabolism (submitted to Nature Metabolism)**

- Gourav Bhardwaj, Christie M. Penniman, Jayashree Jena, Pablo A. Suarez Beltran, Collin Foster, Kennedy Poro, Taylor L. Junck, **Antentor Othrell Hinton Jr**, Rhonda Souvenir, Jordan D. Fuqua, Pablo E. Morales, Roberto Bravo-Sagua, Vitor A. Lira, E. Dale Abel, Brian T. O'Neill **Insulin and IGF-1 Receptors Regulate Complex-I Dependent Mitochondrial Bioenergetics and Supercomplexes via FoxOs in Muscle (submitted to Cell Metabolism)**

Commentaries/Opinion Pieces:

- **Antentor Hinton, Jr.**, Haysetta Shuler, Melanie R. McReynolds, Denise Martinez, Christina Termini **“The Power of Saying No” (Submitted to EMBO Reports)- Provisional Accepted**
- **Antentor Hinton, Jr.**, Zer Vue, Haysetta Shuler, Melanie R. McReynolds, Brittany Taylor, Christina Termini **Challenges of Mentoring Underrepresented Minority Trainees in STEM (Submitted to EMBO Reports)- Provisionally Accepted**
- Melanie McReynolds*, Christina Termini*, **Antentor Hinton, Jr.**, Zer Vue, Brittany Taylor, Reanna Roby, Sunny Huang, and Haysetta Shuler, Calvin Carter **Virtual Mentoring: The Art of Professional Development in the 21st Century for STEM Majors and Beyond (Submitted to Nature Biotechnology)**
- Brittany Taylor*, Christina Termini*, Melanie McReynolds, Reanna Roby, Calvin Carter, Sunny Huang, Zer Vue, Haysetta Shuler, **Antentor Hinton, Jr. The Ten Rules to Virtual Mentoring (Submitted to PLOS Computational Biology)**
- Zer Vue, Reanna Roby, Melanie McReynolds, Brittany Taylor, Christina Termini, Bonnie Green, Derrick Morton, **Antentor Hinton, Jr.** Denise Martinez, and Haysetta Shuler **Mentoring Women Trainees in STEM (Submitted to Journal of Undergraduate Neuroscience Education)**
- Zer Vue, Melanie McReynolds, Brittany Taylor, Christina Termini, Reanna Roby, Bonnie Green, Derrick Morton, **Antentor Hinton, Jr.**, Denise Martinez, and Haysetta Shuler **Mentoring LGBTQ+ Trainees in STEM (Submitted to Journal of Undergraduate Neuroscience Education)**
- Christina Termini, Reanna Roby, Melanie McReynolds, **Antentor Hinton, Jr.**, Zer Vue, Haysetta Shuler, and Brittany Taylor, **The Ten Rules to Exiting your Postdoc (Submitted to PLOS Computational Biology).**

Published Science Blog Post:

Antentor Hinton, Jr. – Top 100 African American Scientist, Cell Mentor (Link: <http://crosstalk.cell.com/blog/100-inspiring-black-scientists-in-america>)

Graduate Publications (17 publications in total)

FIRST AUTHOR PUBLICATIONS:

1. **Antentor Othrell Hinton, Jr.***, Yongjie Yang, Ann P. Quick, Pingwen Xu, Chitra L.Reddy,Xiaofeng Yan, Corey L. Reynolds, Qingchun Tong, Liangru Zhu, Jianming Xu, Xander Wehrens, Yong Xu, and Anilkumar K. Reddy. SRC-1 Regulates Blood Pressure and Aortic Stiffness in Females. **Plos One**. 2016: 11(12): e0168644. PMC: 5179266.
2. **Antentor Othrell Hinton Jr.***, Yanlin He, Yan Xia, Pingwen Xu, Yongjie Yang, Kenji Saito, Chunmei Wang, Xiaofeng Yan, Gang Shu, Alexander Henderson, Deborah J. Clegg, Sohaib Khan, Corey Reynolds, Qi Wu, Qingchun Tong, Yong Xu Estrogenic Actions via Estrogen Receptor- α in the Medial Amygdala Prevent Stress-induced Elevations in Blood Pressure in Females. **Hypertension**. 2016: 67(6):1321-30 PMC:4865414.

CO-AUTHOR PUBLICATIONS:

3. Yongjie Yang, Agatha van der Klaauw, Liangru Zhu, Tessa Cacciottolo, Yanlin He, Lukas Stadler, Chunmei Wang, Pingwen Xu, Kenji Saito, **Antentor Hinton Jr**, Xiaofeng Yan, Julia Keogh, Elana Henning, Matthew Banton, Audrey Hendricks, Elena Bochukova, Vanisha Mistry,Katherine Lawler, Lan Liao, Jianming Xu, Stephen O'Rahilly, Qingchun Tong, UK10K Consortium, Inês Barroso, Bert O'Malley, and Ismaa Farooqi, Yong Xu. Steroid Receptor Coactivator-1 Modulates the Function of Pomc Neurons and Energy Homeostasis. **Nature Communications**. 2019 In press.

4. Chunmei Wang, Yanlin He, Pingwen Xu, Yongjie Yang, Kenji Saito, Yan Xia, Xiaofeng Yan, **Antentor Hinton, Jr.**, Chunling Yan, Hongfang Ding, Likai Yu, Gang Shu, Rajat Gupta, Qi Wu, Qingchun Tong, William R. Lagor, Elsa R. Flores, and Yong Xu. Tap63 contributes to sexual dimorphism in POMC neuron functions and energy homeostasis. **Nature Communications**. 2018 9(1):1544. No PMC. PMID: 29670083
5. Gang Shu, Yanlin He, Yongjie Yang, Yan Xia, Pingwen Xu, Chunmei Wang, Kenji Saito, **Antentor Hinton Jr.**, Xiaofeng Yan, Qi Wu, Qingchun Tong, Joel Elmquist, Yong Xu A small potassium current in AgRP/NPY neurons regulates feeding behavior. **Cell Reports**. 2016: 17(7):1807-1818. No PMC. PMID:27829152.
6. Pingwen Xu, Yanlin He, Xuehong Cao, Lourdes Valencia-Torres, Xiaofeng Yan, Kenji Saito, Chunmei Wang, Yongjie Yang, **Antentor Hinton Jr.**, Liangru Zhu, Gang Shu, Martin G. Myers Jr., Qi Wu, Qingchun Tong, Lora K. Heisler, Yong Xu Targeting serotonin 2C receptors in dopamine neurons for binge eating. **Biological Psychiatry**. 2016: pii: S0006-3223(16)32470-2. PMC5148733
7. Kenji Saito, Yanlin He, Yongjie Yang, Liangru Zhu, Chunmei Wang, Pingwen Xu, **Antentor Othrell Hinton Jr.**, Xiaofeng Yan, Jean Zhao, Makoto Fukuda, Qingchun Tong, Deborah J. Clegg, Yong Xu PI3K in the ventromedial hypothalamic nucleus mediates estrogenic actions on energy expenditure in female mice. **Scientific Reports**. 2016: 6:23459. PMC4796901
8. Kenji Saito; Yanlin He; Xiaofeng Yan; Yongjie Yang; Chunmei Wang; Pingwen Xu; **Antentor Hinton**; Gang Shu; Likai Yu; Qingchun Tong; Yong Xu Visualizing estrogen receptor- α - expressing neurons using a new ER α -ZsGreen reporter mouse line. **Metabolism**. 2016: 65(4):522-32. [PMC4794642](#)
9. Liangru Zhu, Pingwen Xu, Xuehong Cao, Yongjie Yang, **Antentor Othrell Hinton Jr.**, Kenji Saito, Chunmei Wang, Yan Xia, Xiaofeng Yan, Fang Zou, Hongfang Ding, Chunling Yan, Pradip Saha, Yuxin Feng, Deborah J. Clegg, Sohaib A. Khan, Jean Zhao, Makoto Fukuda, Qingchun Tong, Lawrence B. Chan, Yong Xu. The ER α -PI3K Cascade in Pro-opiomelanocortin Neurons Regulates Feeding and Glucose Balance in Female Mice. **Endocrinology**. 2016: 156(12):4474-91. PMC4655219.

CO-AUTHOR PUBLICATIONS:

10. Chunling Yan, Yanlin He, Yuanzhong Xu, Chunmei Wang, Yongjie Yang, Kenji Saito, Pingwen Xu, **Antentor Hinton**, Xiaofeng Yan, Gang Shu, Likai Yu, Qi Wu, Patrick Tso, Qingchun Tong, and Yong Xu. Apolipoprotein A-IV inhibits AgRP/NPY neurons and activates POMC neurons in the arcuate nucleus. **Neuroendocrinology**.2015: 103(5):476-88.PMC4767704.
11. Pingwen Xu, Xuehong Cao, Liangru Zhu, Fang Zou, Yongjie Yang, Kenji Saito, Xiaofeng Yan, **Antentor Othrell Hinton Jr.**, Hongfang Ding, Yan Xia, Chunmei Wang, Chunling Yan, San-Pin Wu, Bin Yang, Yuxin Feng, Deborah J. Clegg, Richard DeMarchi, Sohaib A. Khan, Sophia Y. Tsai, Francesco J. DeMayo, Qingchun Tong, Yong Xu. Estrogen Receptor- α in Medial Amygdala Neurons Regulates Body Weight in Both Genders. **J Clin Investigation**. 2015: 125(7):2861-76. PMC4563687.
12. Yan, Chunling; Yang, Yongjie; Saito, Kenji; Xu, Pingwen; Wang, Chunmei; **Hinton, Antentor**; Yan, Xiaofeng; Wu, Qi; Tong, Qingchun; Elmquist, Joel; Fukuda, Makoto; Xu, Yong. Meta- Chlorophenylpiperazine enhances leptin sensitivity in diet-induced obese mice. **British Journal of Pharmacology**. 2015:. 172(14):3510-21.PMC4507156.
13. Liangru Zhu, Fang Zou, Yongjie Yang, Pingwen Xu, Kenji Saito, **Antentor Hinton, Jr.**, Xiaofeng Yan, Hongfang Ding, Qi Wu, Makoto Fukada, Zheng Sun, Qingchun Tong, Yong Xu. Estrogens prevent metabolic

dysfunctions induced by circadian disruptions in female mice **Endocrinology**. 2015: 156(6):2114-23.PMC4430614.

14. Xuehong Cao, Pingwen Xu, Mario Oyola, Yan Xia, Xiaofeng Yan, Kenji Saito, Fang Zou, Yongjie Yang, **Antentor Hinton**, Chunmei Wang, Chunling Yan, Hongfang Ding, Liangru Zhu, Bin Yang, Yuxin Feng, Sohaib Khan, Richard DiMarchi, Shaila Mani, Qingchun Tong, Yong Xu. Estrogens stimulate dorsal raphe serotonin neurons to inhibit binge eating in female mice. **J Clinical Investigation**. 2014: 124(10):4351-62. PMC: 25157819.

CO-AUTHOR PUBLICATIONS From Rotations:

15. Huilian Bu, Bin Shu, Feng Gao, Cheng Liu, Xuehai Guan, Changbin Ke, Fei Cao, **Antentor Othrell Hinton, Jr.**, Hongbing Xiang, Hui Yang, Xuebi Tian, Yuke Tian. Spinal IFN- γ -induced protein-10 (CXCL10) mediates metastatic breast cancer-induced bone pain by activation of microglia in rat models. *Breast Cancer Res Treatment*. 2014: 143(2):255-63. NO PMC.PMID:24337539.
16. Tiyu Zhao, Xiaoxiang Zhang, Lili Zeng, Shuyan Xia, **Antentor Othrell Hinton**, and Xiuyun Li. Applications for Radio-frequency Identification Technology in the Perioperative Setting **AORN Journal**. 2014: 99(6):764-81. NO PMC, PMID: 24875211.
17. Changbin Ke, Caijuan Li, Xiaoxia Huang, Fei Cao, Dai Shi, Wensheng He, Huilian Bu, Feng Gao, Tiantian Cai, Antentor Othrell Hinton Jr, Yuke Tian. Protocadherin20 promotes excitatory synaptogenesis in dorsal horn and contributes to bone cancer pain **Neuropharmacology**. 2013. Dec;75:181-90, PMID :23911744

Volunteer Experience:

SACNAS recruitment for the University of Iowa (October 29th to November 3rd)

Secondary Student Training Program (SSTP) Science Leader for RNA Day (July 9th, 2019),

Protein Day (July 2nd 2019), DNA Day (June 25, 2019)

Young Adult Leader for Bethel African American Methodist Episcopal (AME)

Young Adult & College Ministry (October 2016-October 2017)

Speaker for Bethel A.M.E's What We Learn From Others, a Dr. Martin Luther King, Jr. Celebration (January 2017)

Poster Judge for Iowa Biosciences Academy, Iowa City, IA (July 2018)

Poster Judge for Iowa Biosciences Academy, Iowa City, IA (July 2017)

Poster Judge for Iowa Biosciences Academy, Iowa City, IA (July 2016)

Oral Presentation Judge for IMBS Research Conference and Retreat, Houston, TX (March 2016)

Poster Judge for IMBS Research Conference and Retreat, Houston, TX (March 2016)

Created 1st Annual Diversity Week at Baylor College of Medicine along with AGSD, IMSD, and the Office of Diversity. We hosted the keynote speaker, Dr. Andrew Campbell from Brown University and planned activities for students, post-docs, and staff to celebrate diversity (October 2015).

Girl's Inc Activity at Houston Baptist University, taught middle school and High school students about Plant and Cell Biology (made a plant and an animal cell, (July 2015)

Girl's Inc Activity at Houston Baptist University, taught middle school and High school students how to extract DNA from a Crime Scene (July 2015)

Poster Judge for 2015 David Bruce Undergraduate Award at Experimental Biology, Boston, MA (March 2015)

Poster Judge for the 14th and 15th Annual Houston Premedical Academy Research Symposium, Houston, TX 77030 (January 2014, 2015)

Association of Graduate Student Diversity Volunteer Opportunities (Recruitment Days, Holiday Volunteer Event, Radio-lolli pop, Valentine's Day candy grams, Hispanic Forum, (January 2013- May 2016))

Saturday Morning Science 2 (High school only) position was sponsored by Baylor College of Medicine Office of Diversity and Community Outreach, contact Kara Green Ihedigo (karag@bcm.edu) September 2012- May 2016

Saturday Morning Science 1 (Middle and High School) position was sponsored by Baylor College of Medicine Office of Diversity and Community Outreach and Center for Reproductive Medicine, contact Kara Green Ihedigo (karag@bcm.edu) September 2012- May 2016

Project Strengthen Street Clean up (Aug 2008- May 2010)

Media Coverage and Feature Stories:

Iowa:

Link 1 (April 2020): <https://internalmedicineiowa.org/2020/04/01/hinton-reaps-reward-for-efforts/>

Link 2 (April 2020): <https://www.grad.uiowa.edu/news/2020-04-03/postdoc-leads-on-diversity-and-inclusion>

Link 3 (February 2020): <https://internalmedicineiowa.org/2020/02/14/the-fruits-of-mentorship/>

Link 4 (April 2019) : <https://internalmedicineiowa.org/2019/04/01/april-2019-antentor-hinton-jr/>

Link 5: (Sept 2019): <https://www.niddk.nih.gov/research-funding/research-programs/diversity-programs/network-minority-health-research-investigators-nmri/nmri-event-photos/nmri-regional-workshop-photos>

Link 6 (August 2019): <https://internalmedicineiowa.org/tag/margaret-mungai/>

Link 7 (March 2019): <https://internalmedicineiowa.org/2019/03/05/mungai-wins-research-award/>

Link 8: (April 2018): <https://uiowa.edu/icru/icru/icru/article/icru-distinguished-mentors>

Link 9: (May 2018): <https://medcom.uiowa.edu/theloop/news/center-for-diversity-and-enrichment-honors-faculty-and-graduates>

Cell Press Cell Mentor Blog Article: <http://crosstalk.cell.com/blog/author/antentor-o-hinton-jr>

Links Associated with the Cell Press Cell Mentor Blog Article:

a. Article was mentioned in a Forbes article: <https://www.forbes.com/sites/linhanhcat/2020/04/11/black-scientists-fighting-covid-19/#76291f01b671>

b. Article was discussed by multiple schools (Some examples):

i. UNC Chapel Hill <http://news.unhealthcare.org/som-vital-signs/2020/feb-6/cell-press-publishes-list-of-100-inspiring-black-scientists-in-america>

1. <https://www.med.unc.edu/genetics/folami-ideraabdullah-phd-recognized-by-cell-press/>

ii. Michigan State <https://msutoday.msu.edu/news/2020/msus-beronda-montgomery-recognized-as-one-of-the-100-most-inspiring-black-scientists-in-america/>

- iii. American Society of Cell Biology : <https://www.ascb.org/careers/building-the-list-of-100-inspiring-black-scientists/>
- iv. Brown University <https://www.brown.edu/academics/gradschool/news/2020-02/campbell-named-list-100-inspiring-black-scientists>
- v. University of Penn- <https://almanac.upenn.edu/articles/five-penn-faculty-two-postdocs-top-100-inspiring-black-scientists>
- vi. University of Missouri- <https://www.themaneater.com/stories/news/mu-assistant-professor-of-psychological-sciences-recognized-in-list-of-100-most-inspiring-black-scientists-in-america>
- vii. Duke University- <https://musahlab.pratt.duke.edu/news/musah-named-one-100-inspiring-black-scientists-america>
- viii. Texas A& M- <https://today.tamu.edu/2020/02/24/texas-am-researcher-named-to-national-list-of-inspiring-black-scientists/>
- ix. Vanderbilt: <https://www.vanderbilt.edu/csb/2020/02/10/breann-brown-named-inspiring-black-scientist/>
- x. MIT: <https://lmrt.mit.edu/news/quinton-smith-named-amongst-100-most-inspiring-black-scientists-america>
- xi. John Hopkins- <https://mcp.bs.jhmi.edu/news>
- xii. University of Alabama Birmingham: <https://yellowhammernews.com/two-from-uab-lauded-as-among-100-inspiring-black-scientists-in-america/>
 - 1. <https://alabamaneewscenter.com/2020/02/29/two-uab-faculty-lauded-as-among-100-inspiring-black-scientists-in-america/>
 - 2. <https://www.alabamawx.com/?p=206767>
 - 3. <https://mcknightbrain.org/two-uab-mbi-researchers-named-to-list-of-100-inspiring-black-scientists-in-america/>

Up to 14 References Upon Request:

Winston-Salem State University
Baylor College of Medicine
Mayo Clinic
University of Iowa
University of Pittsburgh
Fort Lewis College
AstraZeneca
University of Tennessee Health Science Center