

**WUSTL**  
**ENDURE**  
**NEWSLETTER**  
**Winter 2022**

# WELCOME

2021 was a big year for WUSTL ENDURE! In May we welcomed 16 scholars to campus – the first time since summer 2019! We also added Lori Corzine to our team as the new Program Coordinator, and welcomed several new mentors with a virtual training session.

Thanks to the hard work and support of our Mentors, faculty and staff, our ENDURE scholars were able to conduct research in-person at labs on the Danforth and Medical School campuses over the summer – a crucial part of our Program that was greatly missed in 2020. In June, Dr. Erik Herzog, ENDURE Program Director, hosted the annual pizza making party at his home. A great ice-breaker for the group and for those who have never made pizza, a great learning opportunity!



*L to R: Isaac Toscano, KG Williams, Dr. Mitch Kundel & Justin Woods*

In August, we wrapped up our summer program with our annual Symposium – one of the first in-person events at WUSTL since the start of the pandemic. The Symposium featured the work of our 2020 & 2021 cohorts, and one student from the 2019 cohort. In total, 17 scholars showcased their work (one virtually) at the Eric P Newman Education Center during our end of summer Symposium. It was a huge success and a great way to end a wonderful summer!

In August, we also sadly said goodbye to Program Co-Director, Dr. Diana Silva José-Edwards. Dr. José-Edwards has been with the Program since its inception and has been crucial in laying the ground work for ENDURE's continued success. Dr. José-Edwards moved to the Washington University in St. Louis College of Arts & Sciences to promote STEM equity more broadly as the Coordinator of STEM Diversity Initiatives. She also serves as the Director of the Post-Baccalaureate Premedical Program where she continues to help students reach their post-college educational and professional goals.



*Dr. Diana Silva José-Edwards*

# ENDURE Student Reps

## Student Representatives

Part of the ENDURE program involves interaction with other students both at work and in their living arrangements on campus. Because communication is crucial to our success, we select two second-year ENDURE scholars to serve in a one-year appointment that asks them to represent student interests in all aspects of the program including meetings with program faculty, staff and the External Advisory Board. Devin and Ephraim served as reps in 2021 - below are a few words from them regarding their experience.



*Devin & Ephraim at the 2021 Closing Symposium August 4, 2021*

Part of the ENDURE Program involves team-building exercises and the student reps help coordinate the activities. In 2021 we went to a climbing gym which challenged us physically and mentally! Thanks to Upper Limits Climbing Gym!



## From Devin & Ephraim:

It has been an incredibly fun honor and privilege to be an Endure representative. We have loved being able to share student concerns and advocating for the next fun group trip. But the best part of it all was of course being with the other ENDUREables. We have come to find a great appreciation for neuroscience and research beyond what we could imagine. Above all, we've found the people who will make me feel welcome in research: people to talk about my favorite Nigerian dishes with, struggles with imposter syndrome, and trade reggaeton and Afrobeat music, people you can have impromptu water balloon fights with, lose in ping pong with but still later brainstorm troubleshooting steps and future direction your project. And though our times as Reps have come to an end, we know this isn't a goodbye but a see you soon. We are so excited to reunite at the interview trail, grad school or of course later in our career as colleagues. We want to especially thank the ENDURE team for what they've done to make our summers unforgettable. Because of them, we know that through thick and thin, we will endure to the end!

**New for 2022!** Thanks to additional support from Washington University in St. Louis, we are now able to proudly support undocumented and DACAmented students!

**Congratulations to Kelsey Person and Justin Lopez-Roque on being selected as ENDURE Student Reps for 2022!**

# ENDURE

## Outstanding Mentor Award

### Kathleen Schoch, PhD

Asst Professor of Neurology, WUSTL



*Dr. Kathleen Schoch with ENDURE scholar and nominator, Ephraim Oyetunji, ENDURE 2020 cohort*

**Congratulations to Dr. Schoch on winning this year's outstanding mentor award!** Each year, we award one outstanding mentor award based on nominations from the ENDURE scholars. This year's winner, Kathleen Schoch, was nominated by Ephraim Oyetunji, 2020 cohort. [Here is the nomination submitted by Ephraim:](#) Aside from her infectious curiosity and standard belief in her mentees, Kathleen excels as a mentor because she doesn't pretend to be the hero and challenges her mentees to do the same. In her vulnerability about scientific failures and selfless desire for her mentees' success, Kathleen creates a growth-driven safe space for her mentees' scientific ingenuity as well as honest shortcomings. Above all, my experience with Kathleen as a mentor, virtually and now in person, reminds me that scientists don't stand on the shoulders of "giants" but rather the patient, humble advocates who choose to sacrificially invest in us in and out of the lab. With \$50 to spend on a gift for their mentor, Ephraim explains what he would do with the funds and why: On several occasions, Kathleen has mentioned her fascination with her favorite Pixar film Wall-E. However, what Kathleen hasn't mentioned is how similar her mentorship style aligns with the critical themes of the film's titular robot. Kathleen is continuously hard-working in the face of difficult challenges (i.e., cleaning up the planet), nurturing and caring to young budding scientists (i.e., taking care of the plant it finds), and inquisitive about unexpected new observations (i.e. being curious when it comes across EVE). Not to mention, Kathleen is always the go-to person for fixing my mistakes in lab. Attentive to her mentees' needs and seeing the potential others may not always see in themselves, Kathleen embodies the film's scientific game changer and instills these same traits within her mentees. I could not imagine a better gift for Kathleen than the Wall-E figurine holding the plant it tirelessly looks after, a sign of the next generation of scientists she is boldly pushing forward.

Congratulations, Kathleen!



**Erik Herzog**  
**ENDURE Director**

- Erik Herzog, the Viktor Hamburger Distinguished Professor in the Department of Biology and ENDURE Program Director, was among 8 faculty members at Washington University in St. Louis selected by the American Association for the Advancement of Science (AAAS), the world's largest general scientific society and publisher of the Science family of journals. [Click here for full story.](#)
- Herzog was also awarded a five-year \$1,977,255 grant from the NIH's National Institute of Neurological Disorders and Stroke. The award supports Herzog's project titled "Circadian Regulation of Neocortex." [click here for full story.](#)



**Deanna Barch**  
**ENDURE Mentor**

- Deanna Barch, Chair & Professor of Psychological & Brain Sciences, Professor of Radiology and ENDURE Mentor, was elected as a member of the American Academy of Arts & Sciences. [Click here for full story.](#)

## ENDURE Program

The ENDURE Program at WUSTL was featured in the College of Arts & Sciences "2021: A year of outstanding achievements" feature story on Ampersand:

[Brain trust: Symposium brings together diverse community of undergraduate neuroscientists](#)

The WUSTL ENDURE program, which hosts the annual symposium, partners with groups across WashU and local institutions to attract top talent, provide training and mentorship opportunities, and improve the diversity of the neuroscience field. "What would happen if you lost your heart?" [click here for full story.](#)

In addition to publishing our first Newsletter, WUSTL ENDURE has a new website too! We've added news, individual pages for our scholars, and more. [Click here for more information.](#)

**Follow us on Twitter!**







### **Eboni Arnold**

*Senior, University of Miami*

#### **Accomplishments**

- I finished working on my capstone project which was on Minority Self Advocacy for Health Care. I made a website with some really helpful information - [click here to see!](#)
- I was selected recently as a University of Miami Black TrailBlazer, and will be featured in our Black Alumni Coffee Book ([click here for digital book - pgs 46-47](#)).
- I was selected as a 'Canes Ignite Catalyst Mentor, where I am responsible for one-on-one mentorship in leadership training to first/second-year students. [Click here for full story.](#)



### **Devin Burris, 2020 cohort**

*Senior, University of Central Florida*

#### **Presentations:**

- ABRCMS 2020
- ENDURE annual meeting, October 19-20, 2021, Gabel Lab

#### **Accomplishments:**

- Goldwater Scholar
- Central Florida Brain Bee E-board member
- I received the Greater Scholarship last year in early 2021 and wasn't sure if that was considered out of date.
- I have been nominated for the Order of the Pegasus at UCF. Above is a photo in my lab at UCF.

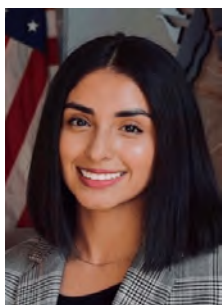
### **Carrie Lewis, 2021 cohort**

*Senior, Mount Holyoke College*



#### **Presentations:**

- ENDURE annual meeting, October 19-20, 2021, Impact of LXR Agonist on Amyloid Pathology in TREM2-/- Mice with Amyloid-Beta Amyloidosis, Michael Strickland

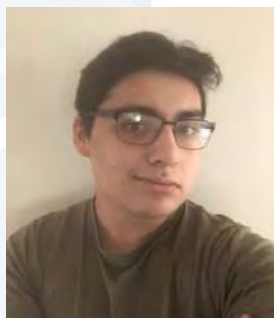


### **Alex Martinez Lopez, 2020 cohort**

Senior, Wellesley College

#### **Presentations:**

- AML's abstract "Transcriptional Features of Meningeal B cell Clusters in a Murine Model of Multiple Sclerosis" was accepted to present a poster at the America's Committee for Treatment and Research in Multiple Sclerosis (ACTRIMS) annual forum which will be held in West Palm Beach, Florida. Alex also received an ACTRIM's Young Investigator Educational Grant to attend the conference.



### **Justin Lopez-Roque, 2021 cohort**

Junior, Washington University in St Louis

#### **Presentations:**

- ENDURE Annual Meeting October 19-20, 2021: Anxiety and Grey Matter Volume in Young Children, Dr. Susan Perlman



*Carrie Lewis and Alex Martinez Lopez during our first team building exercise*



### **Kelsey Person, 2021 cohort**

Senior, University of Maryland-Baltimore

#### **Presentations:**

- ENDURE Annual Meeting October 19-20, 2021: The ventral pallidum constitutes the main inhibitory projection to the sub thalamic nucleus - Dr. Meaghan Creed

#### **Accomplishments:**

- Undergraduate Research Training Initiative for Student Enhancement (U-RISE) Trainee
- Meyerhoff Scholar



### Megan Maxwell, 2020 cohort

B.S. Washington University in St. Louis

#### Presentations:

- Society for Research in Psychopathology (virtual poster), September 2021
- Society of Biological Psychiatry (virtual poster), May 2021
- Midwestern University Cognitive Science Conference (virtual poster), April 2021

o All of the above conferences features the presentation: Relationship between neighborhood poverty and children's externalizing behaviors as mediated/moderated by environmental and neurological risk factors, as well as the same mentor, Dr. Deanna Barch.

#### Scientific Papers:

- Maxwell, M., Taylor, R., & Barch, D (under review). Relationship between neighborhood poverty and externalizing symptoms in children: mediation and moderation by environmental factors and brain structure.

#### Accomplishments:

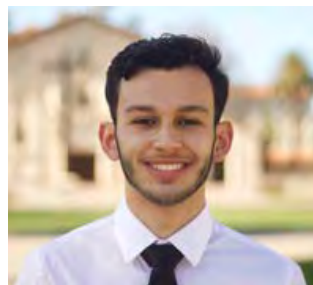
- BS awarded May 2021, Cum Laude
- 2021 Undergraduate Research Excellence award from the Federation of Associations in Behavioral and Brain Sciences.
- Since graduating WashU, I started a full-time research coordinator position at Chapman University in the Early Human Lifespan Development program. I'm helping lead a project looking at early life adversity and children's neurodevelopment, and it has already been a valuable experience in preparing me for grad school. From learning new statistics to considering human ethics, I am looking forward to the next 2 years here as a post-bac!

### Isaac Toscano, 2021 cohort

Senior, Santa Clara University

#### Accomplishments:

- Goldwater scholarship School Nomination (results pending)



Isaac is an amazing musician and kept everyone entertained all summer with his awesome singing and guitar skills! Isaac even impressed former Chancellor, Mark S. Wrighton - thanks for the music, Isaac!



*L to R: Former Chancellor Mark S. Wrighton, Maria Tello, Isaac Toscano & Ephraim Oyetunji on the last day of the ENDURE Summer 2021 Program*





### **Ephraim Oyetunji, 2020 cohort**

Junior, Washington University in St. Louis

#### **Accomplishments:**

- Selected as a Hope Center Scholar by the Washington University School of Medicine Hope Center for Neurological Disorders .  
[Click here for full story.](#)
- Presentation Awardee in Neuroscience Category at ABRCMS 2021
- 3rd place Poster Presentation at Regional Medical Education Conference 2021 at Northwestern University Feinberg School of Medicine

#### **Presentations:**

- Oyetunji, Ephraim. A., Schoch, Kathleen M., Miller, Timothy M. "Antisense Oligonucleotide-mediated TREM2 Reduction in Tauopathy Mice Regionally Alters Phosphorylated Tau in the Absence of Microglia Activation"
- Biology Forum Seminar to the Department of Biology. WUSTL. 22nd November 2021.
- Regional Medical Education Conference at Northwestern University Feinberg School of Medicine. 6th November 2021. Poster competition. 3rd Place.
- ENDURE Research Symposium. WUSTL. 5th August 2021. In-Person Poster.
- Annual Biomedical Research Conference for Minority Students (ABRCMS). 10th-13th November 2021. Lightning talk and Virtual Poster. Presentation Awardee.



*Current ENDURE Scholars L to R: Isaac Toscano, Oscar Romero, Maria Tello, Alex Martinez Lopez, Justin Woods, Ephraim Oyetunji, Devin Burris and Kelsey Person*



**Jessica Jimenez, 2015 cohort**

We are extremely proud of our first ever PhD candidate, Jessica Jimenez! Jessica was in our very first cohort in 2015, and will be defending her PhD thesis on March 8, 2022 - congratulations, Jessica!

### Presentations:

- Society of Toxicology 2021 Annual Meeting; Investigating the influence of CHD8 haploinsufficiency on pyrethroid-induced developmental neurotoxicity; Dr. Mark Zylka

### Scientific Papers:

- Jessica A Jiménez, Mark J Zylka (2021). Controlling litter effects to enhance rigor and reproducibility with rodent models of neurodevelopmental disorders. *Journal of Neurodevelopmental Disorders*, 13:2 (Mentor: Dr. Mark Zylka); Jessica A Jiménez, Travis S Patek, Alex H Tuttle, Ralf S Schmid, Sheryl S Moy, Jeremy M Simon, Mark J Zylka (2020). Chd8 haploinsufficiency impairs early brain development and protein homeostasis later in life. *Molecular Autism*, 11(1):74 (Mentor: Dr. Mark Zylka)

### Accomplishments:

- I am graduating from the Curriculum in Toxicology and Environmental Medicine at the University of North Carolina at Chapel Hill. Working under the guidance of Dr. Mark Zylka, I investigate how genes and the environment can interact to affect risk of developing autism spectrum disorder. My most recent paper submitted for publication is titled, "Developmental pyrethroid exposure and age influence phenotypes in a Chd8 haploinsufficient autism mouse model."

- ICF International, Inc. – Environmental Health Sciences Intern. I worked as an Environmental Health Sciences Intern for the Health Sciences Portfolio of ICF International. This consulting group works with clients, including the U.S. Environmental Protection Agency (E.P.A), to assess risks posed by potentially hazardous chemicals. As an intern, I identified and described the health effects of exposures to environmental pollutants, and conducted study data extractions using systematic review procedures to synthesize available information from human and animal studies.

### Maya Bluit, 2019 cohort Scientific Papers:

- Agoglia AE, Zhu M, Quadir SG, Bluit MN, Douglass E, Hanback T, Tella J, Ying R, Hodge CW, Herman MA. 2021. Sex-specific plasticity in CRF regulation of inhibitory control in central amygdala CRF1 neurons after chronic voluntary alcohol drinking. *Addiction Biology*, e13067. PMID: 34075665
- Tyler RE, Bluit MN, Engers JL, Lindsley CW, Besheer J. The effects of predator odor (TMT) exposure and mGlu3 NAM pretreatment on lasting behavioral and molecular adaptations in the insular cortex and BNST. (under review in *Neuropharmacology*)

### Accomplishments:

- Joined thesis lab (Dr. Joyce Besheer at UNC-CH) in April, 2021
- Included as an author on two publications (PMIDs: 34075665, 35007623)
- Included on one paper under review coming out of my ENDURE lab (doi: 10.1101/2022.01.12.476057)
- Submitted a NSF GRFP application in October

### Joseph Bradley, 2016 cohort

#### Scientific Papers:

- Genomic and multi-tissue proteomic integration for understanding the genetic architecture of neurological diseases; U2af1 is a haplo-essential gene required for hematopoietic cancer cell survival in mice

### Sneha Chaturvedi, 2018 cohort

#### Presentations:

- Jones, JR, Chaturvedi S, Granados-Fuentes D, Herzog ED. Circadian neurons in the paraventricular nucleus entrain and sustain daily rhythms in glucocorticoids. Nat Commun. 2021 Oct 1;12(1):5763. Doi: 10.1038/s41467-021-25959-9
- Lemieux, M., Chaturvedi, S., Juarez Diaz, E., Barbar, L., Bui, M., Isakov, D., Lee, E., Lee, P., Sells, B. and Yin, T.(2021), The time is now: Student-driven implementation of social justice and anti-racism focused curricula in medical scientist training program education. FASEB BioAdvances. <https://doi.org/10.1096/fba.2020-00112>

#### Accomplishments:

- Best Graduate Research Paper in Race/Ethnicity 2021
- Article on student driven implementation of social justice and anti-racism curriculum in WUSM Medical Scientist Training Program won the inaugural award and \$1000 prize

### Ya'el Courtney, 2018 cohort

#### Presentations:

- HHMI Gilliam Fellows Meeting, 9/20/2021, "Signals Making a Splash: How the Choroid Plexus Harnesses Cerebrospinal Fluid for Developmental Communication", Maria Lehtinen

#### Accomplishments:

- I also helped to get an awesome neuroscience postbac program off the ground here which I absolutely recommend to ENDURE alumni - check out <https://www.pinbac.org/>
- NSF-GRFP awarded 2021
- HHMI Gilliam fellowship awarded 2021
- Teaching Fellow for 3 Harvard Undergraduate Courses: Neurobiology of Behavior, The Cellular Basis of Neuronal Function, and Foundations of Neuroscience. Harvard University Certificate of Distinction in Teaching awarded for The Cellular Basis of Neuronal Function.
- Serves as a head editor for Harvard's Science in the News Blog, and as a mentor with organizations Project SHORT and Cientifico Latino's GSMI and GSEC.
- Serves as a guest lecturer with the organization Skype a Scientist for predominantly underserved middle school classrooms.

*ENDURE alums, Dr. Erik Herzog and Dr. Diana Silva José-Edwards enjoying a rooftop dinner at Dr. Silva José-Edwards home*



### Patrick England, 2015 cohort Presentations:

- American Academy of Orthopedic Surgery, August 30 2021, Patients with Metastatic Disease are at highest risk for anxiety and depression in an orthopedic oncology population, Dr Cipriano
- Association of Academic Minority Physicians, October 2 2021, Return to Sport Rate after AVN Treatment, Dr Well

### Scientific Papers:

- Hong, England, Rhea, Hirbe, McDonald, Cipriano. Patterns of Extrapulmonary Metastases in Sarcoma Surveillance. *Cancers*. September 2021: 13(18): 4669

### Accomplishments:

- Benjamin Fox Orthopaedic Research Fellowship at Children's Hospital of Philadelphia
- Ronald C and Neil W Hertel Endowed Scholarship
- Distinguished Faculty Scholarship

### Olumide Fagboyegun, 2019 cohort

### Accomplishments:

- Awarded the NSF Graduate research fellowship in March 2021



ENDURE alums Kia Barclay and Sarah Hunter

### Yesenia Garcia, 2019 cohort Presentations:

- "Evaluating claims of sex differences in the biological sciences" Yesenia Garcia & Donna L. Maney. Presented at Organization for the Study of Sex Differences Conference, May 2021. Mentor: Donna Maney, PhD

### Scientific Papers:

- Garcia-Sifuentes, Y & Maney, D.L. 2021 (in press) "Reporting and Misreporting of Sex Differences in the Biological Sciences". *eLife*. \*Available as a preprint on bioRxiv: <https://doi.org/10.1101/2021.05.28.446238> Mentor: Donna Maney

### Accomplishments:

- 2021 Emory Neuroscience Graduate Program Scientific Outreach Award
- 2021 Emory Nominee for HHMI Gilliam Fellowship
- 2021 Best Poster Award Winner at Organization for the Study of Sex Differences Meeting
- 2021 Featured on NIH Scientist Spotlights Initiative
- 2021 Outstanding 3 Minute Thesis (3MT) Award – Emory IMSD Program
- 2021 Society for Behavioral Neuroendocrinology Welcome Initiative Award
- 2021 Organization for the Study of Sex Differences (OSSD) Travel Award

### Olivia Gautier, 2017 cohort Presentations:

- Blum JA, Klemm S, Shadrach JL, Guttenplan KA, Nakayama L, Kathiria A, Hoang PT, Gautier O, Kaltschmidt JA, Greenleaf WJ, Gitler AD. Single-cell transcriptomic analysis of the adult mouse spinal cord reveals molecular diversity of autonomic and skeletal motor neurons. *Nat Neurosci*. 2021 Apr;24(4):572-583. doi: 10.1038/s41593-020-00795-0. Epub 2021 Feb 15. PMID: 33589834; PMCID: PMC8016743.



### **Maria Gonzalez, 2016 cohort**

#### **Accomplishments:**

- Markey pathway student
- Neuroscience Training Grant 2021-2022

### **Julia Gorman, 2019 cohort**

#### **Scientific Papers:**

- Accepted by PLOS computational biology. Gorman et al 2021; Gorman JC, Tuftes OL, Miller AVR, DeBello WM, Peña JL, Fischer BJ (2021) Diverse processing underlying frequency integration in midbrain neurons of barn owls. PLoS Comput Biol 17(11): e1009569. <https://doi.org/10.1371/journal.pcbi.1009569>
- Julia Gorman has also been publishing informally lots of scicomm articles! <https://neuwritesd.org/author/gormanjc/>

### **Michael Kanan, 2018 cohort**

#### **Scientific Papers:**

- Basak JM, Ferreiro A, Cohen LS, Sheehan PW, Nadarajah CJ, Kanan MF, Sukhum KV, Dantas G, Musiek ES. Bacterial sepsis increases hippocampal fibrillar amyloid plaque load and neuroinflammation in a mouse model of Alzheimer's disease. Neurobiol Dis. 2021 May;152:105292. doi: 10.1016/j.nbd.2021.105292. Epub 2021 Feb 5. PMID: 33556539; PMCID: PMC8057119. Erik Musiek

### **Scott Lee, 2019 cohort**

#### **Presentations:**

- Sakers, K., Liu, Y., Llaci, L., Lee, S. M., Vasek, M. J., Rieger, M. A., ... & Dougherty, J. D. (2021). Loss of Quaking RNA binding protein disrupts the expression of genes associated with astrocyte maturation in mouse brain. Nature communications, 12(1), 1-14. Mentor: Dr. Joseph Dougherty



*ENDURE alums, friends and Dr. Jose-Edwards on a visit to the Opera!*

### **Denye Mickens, 2018 cohort**

#### **Accomplishments:**

- Hired as a research assistant on the eLAbE Study at WUSM (PIs: Rodgers, Smyser, Luby)

### **Julia Pai, 2018 cohort**

#### **Scientific Papers:**

- Neuronal mechanisms of novelty seeking; Takaya Ogasawara, Fatih Sogukpinar, Kaining Zhang, Yang-Yang Feng, Julia Pai, Ahmad Jezzini, Ilya E. Monosov; bioRxiv 2021.03.12.435019; doi: <https://doi.org/10.1101/2021.03.12.435019>. In press. Mentor: Ilya Monosov

#### **Accomplishments:**

- CCSN Fellowship

### **Jordan Peyer, 2016 cohort**

#### **Accomplishments:**

- Mayo Clinic Alix School of Medicine William Worrall Mayo Scholars Program





Alums at Six Flags Mid America

### Marco Pipoly, 2017 cohort

#### Presentations:

- Pipoly, M., Lee, H., Hazeltine, R. E., Voss, M. W. (2021). Cognitive Reserve and Brain Network Connectivity Explain Variability in Flanker Task Performance Among Healthy Older Adults. Presented at Neuroscience Research Day, University of Iowa.

#### Scientific Papers:

- "COGNITIVE RESERVE AND BRAIN NETWORK CONNECTIVITY EXPLAIN VARIABILITY IN ATTENTIONAL CONTROL AMONG HEALTHY OLDER ADULTS", (In preparation), Michelle W. Voss & Eliot Hazeltine.; Cardenas, A. R., Behroozmand, R., Kocsis, Z., Gander, P. E., Nourski, K. V., Ibayashi, K., ... & Greenlee, J. D. (2020). Differential causal involvement of human auditory and frontal cortices in vocal motor control. bioRxiv., Jeremy Greenlee

#### Accomplishments:

- 2021-Travel Award for 3rd Workshop on Research Definitions for Reserve and Resilience in Cognitive Aging and Dementia; 2021-Graduate College Summer Fellow

### Bruce Ramphal, 2017 cohort

#### Presentations:

- Ramphal B, DeSerisy M, Pagliaccio D, Tau G, Posner J, Marsh R, Margolis AE. Neighborhood disadvantage moderates the association between age and amygdala resting state functional connectivity. Society for Research in Child Development, Addressing and Reducing Inequality through Developmental Science Special Workshop. November 2020, St. Louis, MO, moved online.

#### Scientific Papers:

- Published: <https://scholar.google.com/citations?user=KnxlYFUAAAAAJ&hl=en>
- In press: Ramphal B, Dworkin JD, Pagliaccio D, Margolis AE. Noise complaint patterns in New York City from January 2010 through March 2021: socioeconomic disparities and COVID-19 exacerbations. Environmental Research. In press.
- In prep: Margolis AE, Cohen J, Ramphal B, Rauh V, Herbstman J, Pagliaccio D. Contributions of prenatal air pollution to the effects of early life stress on hippocampal subregional volumes and associations with visual-spatial reasoning. Under review

#### Accomplishments:

- GoodRx Scholarship for Future Black Physicians. August 2021
- Margaret Morgan Lawrence Career Development Award from the Division of Child and Adolescent Psychiatry, Department of Psychiatry, Columbia University. January 2021.
- Leader of Pediatrics Interest Group, HMS
- Leader of YogLifeAnatomy student group, HMS

### Hunter Yamada, 2019 cohort

#### Presentations:

- Developmental Biology joint retreat, September 28, Reprogramming human glial cells to promote spinal cord repair, Dan Gibson

# ENDURE STAFF

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Erik Herzog  
**WUSTL ENDURE**  
**Director**

Lori Corzine  
**WUSTL ENDURE**  
**Program Coordinator**



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The Washington University in St. Louis (WUSTL) ENDURE research program prepares undergraduates from diverse backgrounds for neuroscience PhD programs. We combine outstanding research training, a rigorous curriculum and an empowering support system so participants thrive on their path to graduate school and beyond. With support from the NIH Blueprint ENDURE initiative and WUSTL, accepted students are funded for up to two years and trips to the annual Society for Neuroscience meeting. Overall, the program embeds students in a network of neuroscientists and enhances the success of trainees towards our goal of increasing diversity in neuroscience.

Thanks to additional support from Washington University in St. Louis, we proudly support students from any nation.

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