Meet the 2021 Yale Ciencia Academy Fellows! [1]

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Welcome YCA 2021 Fellows!



Lanazha Belfield is a fourth-year doctoral candidate in the Molecular and Ce program with a concentration in Molecular Medicine and Translational Science Medicine. Her passions include research, academia, and mentorship. She ea in Biology with a minor in Physics from Winston-Salem State University as a academic scholarship). While there she participated in various research programmes Ram Scholars and IBS-REU providing her with the tools and research experience her PhD program. During her time at WSSU, she presented at numerous con scientific communication and scientific exposure. To provide scientific exposu graduate/professional school panels for WSSU students and provided element students the opportunity to perform scientific experiments. She continues to p during her graduate school career. She serves on her departmental executive School Honors Grievance Committee. Her thesis work focuses on the glucoc muscle wasting and recovery to improve the long-term functional outcomes o term career goal is to become a professor at a predominantly undergraduate students with the tools and opportunities to directly matriculate into graduateincreasing scientific literacy and education in the minority community. In esse improvement of student learning, the enhancement of student creativity, and beyond the classroom setting.



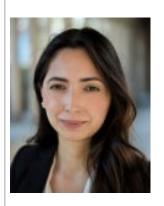
Cristhian Calo is a fourth-year PhD candidate in the Department of Physiolo Rico, Medical Sciences Campus. He obtained his bachelor's degree in Bioted del Este in Puerto Rico. As an undergraduate, he worked elucidating hypothal after exposure to anabolic steroids. Furthermore, he participated in the Summ Program (SROP) at the University of Illinois at Urbana Champaign, studying is mild Traumatic Brain Injury. He is interested in the nervous system, especially behavior. For this reason, in 2018, he joined the laboratory of Dr. Carlos Jimé on substance dependence from an electrophysiological level. His research for properties and excitability of VTA's dopaminergic neurons after a cocaine Interest this research, he also looks to elucidate if these changes are acquired during may be related to the pathological learning process that underlies substance career goal is to work at an academic institution as a principal investigator copathophysiology of degenerative diseases that involves the dopaminergic systems.



Marjorine Castillo is a sixth-year Developmental Psychology doctoral studer University of New York (CUNY). She is also a Diversity Supplement Research State Psychiatric Institute through the Environmental influences on Child Hea Program NIH. She received her Bachelor of Arts and Master of Arts in Psychological Program NIH. CUNY. She was born in New York City and raised in Washington Heights, NY Republic). Her own experiences as the daughter of Dominican immigrants cu pursue a research career focused on how cultural experiences shape the me ethnically diverse youth and their families in the US. Current work includes he Y. Niwa's guidance, which explores acculturation from childhood to young ad psychological stress among Puerto Rican youth in the US and Puerto Rico. A Cristiane S. Duarte's leadership, examines the intergenerational relationship and their child's neurodevelopment and well-being among the racially, ethnical diverse ECHO cohorts. She enjoys teaching and mentoring students to devel and empower them to achieve their academic aspirations. Her long-term care become a tenure track university professor who utilizes a strength-based, into framework in her teaching, mentoring, and research. Outside of academia, M and do arts and craft with her husband, family, and friends.



Crystal Colón Ortiz was born and raised in Puerto Rico and presently is a form the Department of Pathology and Cell Biology at Columbia University Irving Machelor of Science degree in general biology from the University of Puerto Foundated studies in neuroscience. Afterward, she participated in the Postbace Education Program (PREP) at Case Western Reserve University, where she Johannes vonLintig, studying the biochemical basis of vitamin A production. Of Dr. Carol Troy, is focused on understanding the role of caspases in a retinating injury. During her graduate trajectory, she has been awarded the NSF-Graduate Program, the Association for the American Advancement of Science (AAAS) Science, and the Society for Neuroscience (SfN) Trainee Professional Develograduate journey of underrepresented minorities and to create a space for all about social injustices, Crystal co-founded and co-directs the Graduate Initiat Columbia. In the future, she aspires to be an established principal investigato institution. She also looks forward to mentoring underrepresented minorities a inclusive environment in STEM.



Bianca Espinosa is a fifth-year Chemistry PhD candidate at the University of National Science Foundation GRFP fellow, and a National Institutes of Health Bachelor of Science in Biochemistry in 2016 from California State University, as a medicinal chemistry undergraduate researcher. Now as a graduate stude biology, her research centers on developing covalent, small molecule probes diverse pathologies from cancer to COVID-19. Beyond her research interests commitment to increasing college retention of underrepresented students through the establishment of a scholarship for minorities in STEM. In her personal life, Bia and fostering rescue dogs.



Jose J. Gorbea Colón is a fifth-year biochemistry and molecular biophysics. University of Pennsylvania. He earned his bachelor's degree in Biology at the Piedras campus. During his undergraduate career, Jose was awarded an NIH an NIH BP-ENDURE fellowship (2015-2017), and now, as a graduate student Graduate Research Fellowship in 2019. As an NSF fellow, his current research focuses on elucidating the structural and mechanistic bases underlying transcribes is also passionate about diversity, equity, and inclusion initiatives in aca with the Office for Research in Diversity Training at Penn and student organizes SACNAS Chapter, which he Co-Chaired in 2019-2020. Outside of academia, gardening, martial arts, scientific illustration, and photography.



Casey Imperio is a sixth-year PhD candidate in the Psychology: Behavioral as Program at CUNY The Graduate Center. She earned both her undergraduate Psychology at James Madison University, where her research focus was on four and younger adults. She also spent time in an animal research lab working working working the current research focuses on the neural basis of metamemory processes in expecifically, she uses a form of non-invasive brain stimulation, called transcration (tDCS), in attempts to elucidate the role of the prefrontal cortex in metamemor Her hope is that this research will lay the foundation for treatments using tDC and memory issues. Casey loves mentoring undergraduate and master's study to become researchers in the fields of cognitive psychology and neuroscience avid cook and likes to play video games with her husband and hang out with



Amanda Christine Maldonado is a fourth-year doctoral candidate at the Uni (UIC) in the Medicinal Chemistry Program. She is originally from Miami, Florid Associates of Arts (Chemistry) from Miami Dade College. She received her B Chemistry, with a focus in organic synthesis, as a Ronald E. McNair Scholar University. Recently, she was awarded the T32 NIH Fellowship to aid in her r Products and Women's Health. Her doctoral dissertation will focus on elucida of a fungal metabolite in high-grade serous ovarian cancer. This work will help of therapeutics approved for use in high-grade serous ovarian cancer. Her otl how metabolites produced from cyanobacteria may play a role in decreasing serous ovarian cancer and screening novel Natural Products that may have be Outside of her research, Amanda serves as the President for the Society for A Chicanos/Hispanics and Native Americans in Science (SACNAS) Graduate C with the ChickTech Organization to engage middle and high school girls in te Amanda's long-term interests lie in women's health, community engagement, minority participation in STEM fields. She loves to work out and go hiking in the enthusiastic foodie.



Jose Ortiz is a sixth-year doctoral candidate in Biology at the Irell & Manella Sciences at the Beckman Research Institute within the City of Hope National recipient and originally from Tijuana, Mexico. Jose obtained his undergraduat and Developmental Biology (MCDB) at the University of California – Los Ange UCLA, Jose completed his thesis work studying latent HIV establishment and infection in patients undergoing antiretroviral treatment. He then entered grad doctoral Ford Fellowship award in 2016. At the Beckman Research Institute, Dr. Hsun Teresa Ku to study pancreas organ development and regeneration Jose studies the role of Trefoil factor 2 (Tff2) during mammalian pancreas organ ew mechanisms regulating the production of insulin-producing beta cells. Duwas admitted into the Future Leaders Advancing Research in Endocrinology After completing his PhD, Jose plans to pursue post-doctoral training in the fit His career goal is to work at an academic institution as a Professor and mental Outside the lab Jose enjoys painting, running, and exploring bars and restaur



Jailenne I. Quiñones-Rodriguez earned her Bachelor of Science in Biomed of Puerto Rico - Ponce. In 2015, she joined the Biomedical Sciences Gradua Central del Caribe – School of Medicine, where she is currently a PhD candid Anatomy and Cell Biology. Due to her research interest and background, Jail Research Associate from Puerto Rico IDeA Network Biomedical Research Ex PhD, she graduated with honors from a master's degree in Anatomy and Bior interest in human anatomy and neuroanatomy has led her to coordinate, instr students with interest in surgical field through a project called "Mastering Ana promotes an integration of clinical anatomy research and teaching to peers. J transferring modern fixation technology to electron microscopy. Her goal is to the highest magnification while localizing proteins with the outmost accuracy immunocytochemistry. These advances are applicable and of interest for all a electron microscopy and immunogold localization of proteins. One of her long become an academic scientist to conduct research in reverse translational hu and surgical problems are identified and focused on anatomical studies. As a been actively involved in several outreach initiatives with the goal to commun first-generation scientist herself, raise her voice for underrepresented minoriti



Jelissa Reynoso García is a fourth-year PhD candidate in Microbiology at the Rio Piedras Campus (UPR-RP). Jelissa is a first-generation college student v She earned a bachelor's degree in Interdisciplinary Sciences with honors at t undergraduate studies, she completed an undergraduate thesis under the me studying the rainfall chemistry in San Juan, Puerto Rico. She also served as University of Vermont, collaborating in the project "Total Phosphorus and Total by Bioretention Systems." These experiences reinforced her interest in scient to pursue a PhD degree. Since her doctoral admission under the guidance of investigates fungi in paleomicrobiological samples as a mean to inferring the Caribbean cultures. Her work in this project led her to be a recipient of the Ou the American Society for Microbiology (2018). Currently, she is a doctoral train fellowship. In addition to her doctoral dissertation, she has worked as a resea studying the high levels of fungi, spores, and pro-inflammatory dust after Hurl investigations, she serves as the President of the Microbiology Student Chap goal is to become a scientist and educator that promote women and underreg pursuing sciences careers. Jelissa also enjoys books, arts, museums, travel,



Isabel Rojas-Ferrer was born and raised in Puerto Rico and possesses a do specializing in cognitive and behavioral ecology. She has a BSc in industrial runiversity of Puerto Rico-Mayagüez, where she studied the rhythmic meter of guidance of Dr. David Logue. During her undergraduate years, she interned a Study of Animal Behavior (CISAB) at the University of Indiana- Bloomington with Dr. Emilia Martins. She then completed her MSc in ecology, evolution, and University of Missouri-Saint Louis where she focused her thesis on bee memore modelling under the advisership of Dr. Aimee Dunlap. Isabel has recently confuriversity of Ottawa, Canada, where she worked with Dr. Julie Morand-Ferro causes of individual variation in animal decision-making. Currently, Isabel has as a research assistant at the Caribbean Primate Research Center with Dr. L Isabel has collaborated with Soapbox Science, the Journal of Animal Ecology order to bring awareness to mental health, equity, diversity, and inclusion. Isaby her Belgian Shepherd mix dog, Vito.



Sofia Romero is a fourth-year PhD candidate in the Microbiology Doctoral Tron molecular virology at the University of Wisconsin–Madison. She earned he University of California, Santa Cruz majoring in Molecular, Cell, and Developr Sofia's dissertation focuses on understanding the subcellular trafficking dynar Core protein during replication and packaging of viral genome by single-mole as live, and fixed cell techniques. In addition to research, Sofia works to advoequitable science academy for students from diverse backgrounds and was recedible to the control of the coal Science Olympiad competition where she taught high school of virology. After her PhD, Sofia aims to continue advocating for underreprese to improve science-to-public engagement.



Mitchell R. Sanchez Rosado is a third-year doctoral candidate at the Univer Sciences Campus. He earned his undergraduate degree in biology with a mir University of Puerto Rico-Rio Piedras. As an undergraduate, his research wo investigating the efficiency of antimicrobial products against different strains of quality assessment after Hurricane Maria in Puerto Rico. His current research that both age and social adversity can have on immune function and respons academia, Mitchell enjoys trips to the beach, cooking, and talking about sport



Ana Vazquez-Pagan is a rising-third-year PhD candidate at the St. Jude Gra Sciences at St. Jude Children's Research Hospital. After moving from her hor Rico, Ana earned her Bachelor of Science in Biology with a minor in French f Boston, Massachusetts. During her time at Northeastern, Ana participated in op) program where she worked with Drs. Jens Boch and Thomas Reinard at Biotechnology in Germany. There, she studied the production of recombinant Wolffia Australiana, which has high potential as a bioreactor. For her second Farber Cancer Institute under the mentorship of Dr. Wilfred Ngwa and Dr. Ro explored combining the radiosensitizing effect of gold nanoparticles with the I Nano Talazoparib, a liposomal formulation of the PARP inhibitor, Talazoparib Ana prepared to embark towards a PhD, she felt called to explore other scien research focuses on better understanding how influenza virus infection can can high-risk populations and why that happens. More specifically, she wants to c knowledge on why pregnant women are at an increased risk of developing se how infection results in adverse fetal outcomes. Outside of academia, Ana er hiking with her dog Buddy.



Kirsten Verster is a fifth-year doctoral candidate in the Department of Integral California – Berkeley. She earned her Bachelor of Science in Zoology at University and abundance of insects in her and went to graduate school to learn more about how they evolved. For her detended the lab of Dr. Noah Whiteman studying how horizontal transfer of toxin genes evolution of insects. Kirsten and collaborators discovered that toxin-encoding bacteria or viruses into the genomes of fly and aphid species. Interestingly, the genes may play a role in protecting these insects from deadly parasitoid was science Foundation Graduate Research Fellow and recently won the Extraor Extraordinary Times award for her approach to remote pedagogy during the Career goal is to build a research and education program that incorporates he and functional genomics. Outside of lab, Kirsten is enthusiastic about Latin data.

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