

Curriculum Vitae
Lisette Delgado-Cruzata, PhD, MPH

Office: 524 West 59th Street, NB 05.66.17 NY, NY 10019
212.621.3743

ldelgado-cruzata@jjay.cuny.edu
www.delgado-cruzata.com

EDUCATION

Year	Degree	Field	Institution
1992	BSc	Biochemistry	University of Havana
2003	MPH	Environmental Health Sciences	Mailman School of Public Health, Columbia University
2007	PhD	Environmental Health Sciences	Graduate School of the Arts and Sciences, Columbia University
2012	Postdoctoral Fellowship	Cancer Epidemiology	Mailman School of Public Health, Columbia University

ACADEMIC APPOINTMENTS

2013-present Tenure track, Assistant Professor, Department of Sciences, John Jay College of Criminal Justice, City University of New York, NY

Previous Academic Appointments

- 2012-2013 Adjunct Assistant Professor, Department of Nutrition, Food Studies and Public Health, Master in Public Health Program, New York University, NY
- 2011-2013 Adjunct Assistant Professor, Department of Epidemiology and Population Health, Center for Public Health Science, Albert Einstein College of Medicine, Bronx, NY
- 2010-2013 Adjunct Assistant Professor, City University of New York, NY

Previous Professional Positions

- 2009-2012 Fellowship, Cancer Epidemiology Program, Mailman School of Public Health, Columbia University, New York, NY
- 2007-2009 Post-doctoral Researcher, Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, NY
- 2002-2007 Graduate Research Assistant, Department of Environmental Health Sciences, Mailman School of Public Health, Columbia University, New York, NY
- 1997-2002 Senior Laboratory Technician, Department of Genetics and Development and Department of Microbiology, Columbia University, New York, NY
- 1992-1996 Researcher, National Center for Scientific Research, Havana, Cuba

HONORS AND AWARDS

- Outstanding Scholarly Mentoring Award, John Jay College, 2019
- Linkage Fellow, American Society of Cell Biology, 2017 and 2018
- American Society of Cell Biology Visiting Professor Award, 2016 and 2017
- Stewart Travel Award Recipient, CUNY Academy for the Humanities and Sciences, 2016
- Minority Institution Scholar in Cancer Research Award, American Association for Cancer Research, 2015 and 2016
- Women in Cancer Research Award, American Association for Cancer Research, 2012
- New Investigators Award, American Society of Preventive Oncology, 2012
- Minority Scholar in Cancer Research Award, American Association for Cancer Research, 2010 and 2011

RESEARCH

Developing an independent research program to investigate epigenetic biomarker associations with clinical characteristics of chronic diseases, particularly to increase understanding of the role epigenetic biomarkers have in health disparities related to breast cancer. Additional projects include the study of associations of epigenetic biomarkers in peripheral blood with lifestyle characteristics. New research is expanding to identify the role of epigenetic biomarker in inflammatory diseases such as rheumatoid arthritis also with the goal of addressing health disparities

Peer-reviewed articles

1. **Delgado-Cruzata L**, Ma X, Liao Y, Kappil M, Albarracin B, Santella RM, Terry MB. *DNMT1* expression in peripheral mononuclear cells is associated with increased breast cancer risk. *In preparation*
2. **Delgado-Cruzata L**, Rodriguez Alvarez M, Bliese A, Bravo T, Guzman E, Tavaréz W, Sabirov T, Jimenez M, Oviedo Hilario CA, Cirilli C, Acosta ME, Parra Z, Hidalgo C, Mesa C, Bitinaite D, Kadavath S, Hussein I, Thomas G, Kavaliauskas A, Kashi KB, Gebeyehu M, Samip D, Suri P, Gold M, Hinson H, McFarlane I. Hypomethylation of the Dual Specificity Phosphatase (DUSP22) promoter in cell-free DNA (cf-DNA) is associated with rheumatoid arthritis, joint space narrowing and neuropathic pain in Hispanic individuals. *Under review Open ACR Journal*
3. Kappil M, Terry MB, **Delgado-Cruzata L**, Liao Y, Santella RM. Mismatch Repair Polymorphisms as Markers of Breast Cancer Prevalence in the Breast Cancer Family Registry. *Anticancer Res.* 2016 Sep;36(9):4437-41.
4. **Delgado-Cruzata L**, Zhang W, McDonald JA, Tsai WY, Valdovinos C, Falci L, Wang Q, Crew KD, Santella RM, Hershtman DL, Greenlee H. Dietary modifications, weight loss, and changes in metabolic markers affect global DNA methylation in Hispanic, African American, and Afro-Caribbean breast cancer survivors. *J Nutr.* 2015 Apr;145(4): 783-90. PMID381766

5. **Delgado-Cruzata L**, Vin-Raviv N, Tehranifar P, Flom J, Reynolds D, Gonzalez K, Santella RM, Terry MB. Correlations in global DNA methylation measures in peripheral blood mononuclear cells and granulocytes. *Epigenetics*. 2014 Nov 2; 9(11):1504-10. PMID: 25482109
6. Lai RK, Chen Y, Guan X, Noursome D, Sharma C, Canoll P, Bruce J, Sloan AE, Cortes E, Vonsattel JP, Su T, **Delgado-Cruzata L**, Gurvich I, Santella RM, Ostrom Q, Lee A, Gregersen P, Barnholtz-Sloan J. Genome-wide methylation analyses in glioblastoma multiforme. *PLoS One*. 2014 Feb 21; 9(2):e89376. PMID:3931727
7. **Delgado-Cruzata L**, Wu HC, Liao Y, Santella RM, Terry MB. DNA methylation at repetitive sequences and extent of family history of breast cancer in unaffected women of the New York site of the Breast Cancer Registry. 2014 Feb 1;9(2):243-8. PMID3962534
8. Wu HC, **Delgado-Cruzata L**, Machella N, Wang Q, Santella RM, Terry MB. DNA double-strand break repair genotype and phenotype and breast cancer risk within sisters from the New York site of the Breast Cancer Family Registry (BCFR). *Cancer Causes Control*. 2013 Dec; 24(12):2157-68. PMID3947831
9. Wu HC, **Delgado-Cruzata L**, Flom JD, Perrin M, Liao Y, Ferris JS, Santella RM, Terry MB. Repetitive element DNA methylation levels in white blood cell DNA from sisters discordant for breast cancer from the New York site of the Breast Cancer Family Registry. *Carcinogenesis*. 2012 Oct; 33(10):1946-52 PMID3499042
10. Wu HC, W Q, **Delgado-Cruzata L**, Santella RM, Terry MB. Genomic methylation changes over time in peripheral blood mononuclear cell DNA: Differences by Assay Type and Baseline Values. *Cancer Epidemiol Biomarkers Prev*, 2012 Aug; 21(8):1314-8. PMID4032622
11. **Delgado-Cruzata L**, Wu HC, Perrin M, Liao Y, Ferris JS, Flom JD, Yazici H, Santella RM, Terry MB. Global DNA methylation levels in white blood cell DNA from sisters discordant for breast cancer from the New York site of the BCFR. *Epigenetics*, 2012 Aug; 7(8):868-74. PMID3427282
12. **Delgado-Cruzata L**, Gonzalez K, Hruby G, McKiernan J, Benson M, Santella RM, Shen J. DNA Methylation Changes Correlate with Gleason Score and Tumor Stage in Prostate Cancer. *DNA and Cell Biology*, 2012 Feb; 31(2):187-92. PMID3272239
13. Siegel AB, Conner K, Wang S, Jacobson JS, Hershman DL, Hidalgo R, Verna EC, Halazun K, Brubaker W, Zaretsky J, Moniodis A, **Delgado-Cruzata L**, Dove L, Emond J, Kato T, Brown RS Jr, Neugut AI. Smoking and hepatocellular carcinoma mortality. *Exp Ther Med*. 2012 Jan;3(1):124-128.
14. Lumey LH, Terry MB, **Delgado-Cruzata L**, Liao Y, Wang Q, Susser E, McKeague I, Santella RM. Adult global DNA methylation in relation to prenatal nutrition. *International Journal of Epidemiology*. 2011 Sept 29; 40(4). PMID3304521

15. Terry MB, **Delgado-Cruzata L**, Vin-Raviv N, Wu HC, Santella RM. DNA methylation in White Blood Cells: Association with Risk Factors in Epidemiologic Studies. *Epigenetics*. 2011 Jul 1; 6(7):828-37. PMID3154425
16. Wu HC, **Delgado-Cruzata L**, Flom JD, Kappil M, Ferris JS, Liao Y, Santella RM, Terry MB. Global methylation profiles in DNA from different blood cell types. *Epigenetics*. 2011 Jan; 6(1): 76-85. PMID3052916
17. Wu HC, John EM, Ferris JS, Keegan TH, Chung WK, Andrulis I, **Delgado-Cruzata L**, Kappil M, Gonzalez K, Santella RM, Terry MB. Global methylation DNA methylation levels in girls with and without a family history of breast cancer. *Epigenetics*. 2011 Jan; 6(1): 29-33. PMID3052913
18. Hope JC, **Delgado-Cruzata L**, Duvshani A, Mitsumoto J, Maftahi M, Freyer GA. Mus81-Eme1-dependent and -independent crossovers form in mitotic cells during double-strand break repair in *Schizosaccharomyces pombe*. *Mol Cell Biol*. 2007 May; 27(10):3828-38. PMID3052916
19. Chang M, Bellaoui M, Zhang C, Desai R, Morozov P, **Delgado-Cruzata L**, Rothstein R, Freyer GA, Boone C, Brown GW. RMI1/NCE4, a suppressor of genome instability, encodes a member of the RecQ helicase/Topo III complex. *EMBO J*. 2005 Jun; 24(11):2024-33. PMID1142613
20. Maftahi M, Hope JC, **Delgado-Cruzata L**, Han CS, Freyer GA. The severe slow growth of Δ srs2 Δ rqh1 in *Schizosaccharomyces pombe* is suppressed by loss of recombination and checkpoint genes. *Nucleic Acids Res*. 2002 Nov; 30(21):4781-92. PMID135788
21. Regelman AG, Lesley JA, Mott C, Stokes L (**Delgado-Cruzata L**), Waldburger CD. Mutational analysis of the *Escherichia coli* PhoQ sensor kinase: differences with the *Salmonella enterica* serovar Typhimurium PhoQ protein and in the mechanism of Mg^{2+} and Ca^{2+} sensing. *J Bacteriol*. 2002; 184(19):5468-78. PMID135348

Invited Research Talks

- Epigenetics and autoimmune diseases. Grand Round in Rheumatology, SUNY Downstate Medical School, 2019
- DNA methylation, an epigenetic modification, and breast cancer risk. Queensborough Community College, 2015
- Family history of breast cancer and global DNA methylation biomarker levels in blood in cancer-free individuals of the New York site of the Breast Cancer Registry. New Investigators Workshop. American Society of Preventive Oncology, March, 2012.
- Demographic and Lifestyle factors affecting genomic DNA methylation biomarker levels. Epigenetics Workshop, International Society of Environmental Epidemiology, September, 2011.

Conference Presentations

1. **Delgado-Cruzata L**, Duran LA. *DNMT1* and *DNMT3B* regulation of miRNA expression in breast cancer. American Society for Cell Biology Annual Meeting, December, 2018

2. Rodriguez Alvarez M, **Delgado-Cruzata L**, Guzman E, Tavarez W, Acosta ME, Bliese A, Sabirov T, Jimenez M, Oviedo Hilario CA, Mesa C, Bitinaite D, Kavaliauskas A, Albarracin M, Cirilli C, Kadavath S, Hussein I, Thomas G, Kashi KB, Gebeyehu M, Samip D, Parra Z, Robles C, Suri P, Gold M, Hinson H. DNA methylation of the Dual specificity protein phosphatase 22 (DUSP22) gene promoter in plasma of patients with seropositive and seronegative rheumatoid arthritis (RA). American College of Rheumatology Annual Meeting, October, 2018
3. **Delgado-Cruzata L**, Duran LA. *BRCA1* regulation of miRNA expression in breast cancer. American Society for Cell Biology Annual Meeting, December, 2017
4. **Delgado-Cruzata L**, Wu HC, Liao Y, Santella RM, Terry MB. *DNMT1* expression in peripheral mononuclear cells is associated with increased breast cancer risk. American Association for Cancer Research Annual Meeting, April, 2017
5. **Delgado-Cruzata L** and Duran LA. DNA methylation, DNMT1 and breast cancer cells. American Society for Cell Biology Annual Meeting, December, 2016
6. **Delgado-Cruzata L**, Wu HC, Thomas T, Siegel AB, Shen J, Zhang Y, Goyal A, Hsu CC, Remotti H, Santella RM. Relationship between DNA methylation of TET genes and levels of 5-methyl-cytosine and 5-hydroxymethyl-cytosine in hepatocellular carcinoma. American Association for Cancer Research Annual Meeting, April, 2016
7. **Delgado-Cruzata L**, Wu HC, Liao Y, Santella RM, Terry MB. Ethnic differences in global DNA methylation and extent of breast cancer family history in unaffected women. Health Equity Symposium, Hunter College Center for Translational and Basic Research, April 2015
8. **Delgado-Cruzata L**, Wu HC, Thomas T, Siegel AB, Shen J, Zhang Y, Goyal A, Hsu CC, Remotti H, Santella RM. Levels of 5-methyl-cytosine and 5-hydroxymethyl-cytosine in hepatocellular carcinoma prognosis. American Association for Cancer Research Annual Meeting, April, 2015.
9. **Delgado-Cruzata L**, Zhang W, Tsai WY, Wang Q, Valdovinos C, Crew KD, Santella RM, Hershman DL, Greenlee H. Effects of lifestyle modifications on global DNA methylation in minority breast cancer survivors. American Association for Cancer Research Annual Meeting, April, 2012.
10. **Delgado-Cruzata L**, Wu H, Liao Y, Tehranifar P, Santella RP, Terry MB. Family history of breast cancer and global DNA methylation biomarker levels in blood in cancer-free individuals of the New York site of the Breast Cancer Registry. American Society of Preventive Oncology, March, 2012
11. **Delgado-Cruzata L**, Wu HC, Liao Y, Santella RM, Lumey LH, Terry MB. Demographic and Lifestyle factors affecting genomic DNA methylation biomarker levels. International Society of Environmental Epidemiology, September, 2011

12. **Delgado-Cruzata, L**, Brubaker, W, Wu, H, Kappil, M, Devaraj, K; Remotti, H, Zhang, Y, Santella, R, Siegel, A. DNA methylation in hepatocellular carcinoma. American Association for Cancer Research Annual Meeting, April, 2011
13. Kappil M, **Delgado-Cruzata L**, Liao Y, Terry MB, Santella RM. Mismatch repair polymorphisms and breast cancer risk in the Metropolitan New York Breast Cancer Family Registry Mismatch repair polymorphisms and breast cancer risk in the Metropolitan New York Breast Cancer Family Registry. American Association for Cancer Research Annual Meeting, April, 2011
14. Zhang Y, **Delgado-Cruzata L**, Wu HC, Gamble M, Santella RM, Siegel A. Detection of hypomethylation of *LINE1* on peripheral white blood cells and plasma DNA in US hepatocellular carcinoma patients. American Association for Cancer Research Annual Meeting, April, 2011
15. **Delgado-Cruzata L**, Wu HC, Flom JD, Kappil M, Liao Y, Perrin M, Santella RM, Terry MB. Genomic blood DNA methylation levels and breast cancer risk in discordant sisters from the New York site of the Breast Cancer Family Registry. Environmental Epigenomics and Disease Susceptibility, Keystone Symposia; April, 2011
16. **Delgado-Cruzata L**, Wu HC, Perrin M, Liao Y, Flom JD, Santella RM, Terry MB. Global DNA methylation by LUMA and breast cancer risk in the Metropolitan New York Breast Cancer Family Registry. American Society of Preventive Oncology, March, 2011
17. **Delgado-Cruzata L**, Gonzalez K, Santella RM, Shen J. DNA methylation in prostate cancer. The future of molecular epidemiology: new tools, biomarkers and opportunities. June, 2010

Research Funding

Agency	Role	Period
NIH SC2 GM130476-01 <i>DNA methylation biomarkers and ancestry in breast cancer in Hispanic women</i> To investigate DNA methylation and breast cancer mortality association in high-risk Hispanic women, and determine whether these are modified by ancestry	PI	09/15/18-9/14/21
Cycle 49 PSC-CUNY <i>Studying breast cancer risk and epigenetic markers in New York Latinas</i> To investigate the association of <i>DNMT1</i> levels and breast cancer risk in the individuals participating in the NY site of Breast Cancer Family Registry	PI	07/01/18-12/31/19
ASCB Visiting Professor Program <i>DNA methylation, DNMT1 and breast cancer cells</i> To determine DNMT1 activity and gene expression levels in lymphoblastoid cell lines derived from participants in the NY site of Breast Cancer Family Registry	PI	06/01/16-12/31/18

Cycle 48 PSC-CUNY PI 07/01/17-06/30/18
Breast cancer risk and epigenetic markers
 To study DNMT1 levels' association with breast cancer risk in the individuals participating in the NY site of Breast Cancer Family Registry

Cycle 47 PSC-CUNY PI 07/01/16-03/01/18
Studying associations of breast cancer risk and epigenetic markers
 The goal of this project is to investigate the association of 5-methyl-cytosine levels and breast cancer risk in the individuals participating in the NY site of Breast Cancer Family Registry

John Jay Office of Research Seed Money Program PI 10/01/15-02/01/17
Breast cancer family history associations with epigenetic and genetic biomarkers in New York Latino women
 To generate pilot data in a proposal investigating epigenetic biomarkers in Hispanic women in New York

NIH R25 CA094061-08S1 Trainee 08/01/09-07/31/12
Minority Supplement for Post-doctoral Research in the Columbia University Cancer Epidemiology Training program
 The goal of my project was to determine the association between DNA methylation biomarkers and breast cancer risk in the NY site of the Breast Cancer Family Registry

RESEARCH MENTORING

Mentoring to support urban undergraduate students, primarily underrepresented minorities and women, by providing research and career mentoring with the goal to: encourage them to carry out research inside and outside the college, develop science communication skills by presenting their work in the college and at scientific conferences, engage in networking with other scientists, and ultimately help them in identifying postgraduate and career opportunities in STEM

Research Mentoring Program participation:

- College Now Program, John Jay College
- Program for Research Initiatives in Science and Math (PRISM), John Jay College
- Louis Stokes Alliance for Minority Participation, City University of New York
- Program to Inspire Minority Undergraduates in Environmental Health Science Research (PrIMER), Columbia University-John Jay College

Student Presentations

Underlined: student, bolded: presenter. Post-graduate positions and awards received are indicated

1. Rodriguez M, Almodovar N, Bravo T, Hinson S, Delgado-Cruzata L. miRNAs associations with serotype in rheumatoid arthritis in Hispanic individuals. New York State Rheumatology Society Meeting 2019
2. Cirilli C, Albarracin B, Bliese A, Delgado-Cruzata L. Effect of methotrexate in the DNA methylation levels of the Dual specificity phosphatase 22 (*DUSP22*) promoter region, Society for Advancement of Chicanos/Hispanics and Native Americans in Science 2018

Best Undergraduate Research Poster, John Jay College 2019

3. **Matienzo N** and Shaman J. Respiratory viruses in pediatric emergency room patients and their family members. National Conference of Undergraduate Research 2019
4. **Plaza D, Shiiba I**, Delgado-Cruzata L. Effect of Mitomycin C in the Gene Expression of MAPK1 in MDA-MB-468 and K562 Cancer Cells. New York City Science and Engineering Fair 2019
Third Place, Molecular Biology Section, New York City Science and Engineering Fair 2019
5. **Albarracin B, Francois J**, Delgado-Cruzata L. Methotrexate regulates the STAT3-IL6 Signaling Pathway in Rheumatoid Arthritis by epigenetic mechanisms. Westchester Undergraduate Research Conference 2018
Graduate student, College of Veterinary Medicine, Cornell University
Best Undergraduate Research Proposal, John Jay College 2018
6. **Duran LA** and Delgado-Cruzata L. Investigating the Epigenetic Regulation of the Breast Cancer Susceptibility Gene, *BRCA1*. American Society for Cell Biology Annual Meeting, December 2017
Graduate student, Molecular Biology PhD program, Princeton University
Special Recognition, Undergraduate Research Presentation, American Society for Cell Biology 2017
Outstanding Undergraduate Researcher, John Jay College 2018
Jonas E Salk Scholarship Award, CUNY 2018
7. **Poutasse C**, Herbstman J, Peterson M, Gordon J, Soboroff P, Holmes D, **Gonzalez D**, Tidwell L, Anderson K. Silicone Cat Tags Detect Feline Flame Retardant Exposures, International Society of Environmental Epidemiology Conference 2018
Best Senior Capstone Presentation Award, John Jay College Honors Program 2018
8. **Garzon F, Duran LA**, Delgado-Cruzata L. Epigallocatechin-3-gallate regulates *BRCA1* expression in triple negative breast cancer. Society for Cell Biology Annual Meeting, December 2017
9. **Muyalde M, Duran LA**, Delgado-Cruzata L. Measuring DNA Methyltransferase Activity in Breast Cancer Cells. Society for Cell Biology Annual Meeting, December 2017
10. **Bliese A** and Delgado-Cruzata L. Effect of Methotrexate, an Anti-Inflammatory Drug, on Breast Carcinogenesis. American Association of Cancer Research 2017
Graduate student, Marine Biology and Coastal Sciences, Montclair State University
Best Senior Capstone Presentation Award, John Jay College Honors Program 2017
11. **Mercado A** and Delgado-Cruzata L. Studying the Inhibition of TET Proteins in Liver Cancer Cells. American Association of Cancer Research 2016
12. **Hargett I** and Delgado-Cruzata L. Understanding the Role of TET Proteins on 5-Hydroxymethylation Levels in Hepatocellular Carcinoma. American Association of Cancer Research 2016
Adv. Cert. Program for Cytotechnology, Hunter College CUNY
13. **da Silva H**, Divan A, Perzanowski M. Determining Allergen Exposure in New York City Subway Trains. American Biomedical Research Conference for Minority Students, 2016
Graduate student, Department of Environmental Health, Columbia University
Best Public Health Presentation Award, American Biomedical Research Conference for Minority Students 2016
14. **Sanchez S**, Lieberman H, Constantinos B, The Impact of MEK5 in Prostate Cancer and Radiation. American Biomedical Research Conference for Minority Students, 2016
Best Public Health Presentation Award, American Biomedical Research Conference for Minority Students 2016

15. **Kennedy C**, Jack D, Chillrud S, Smith C. Air Pollution and Health: A Pilot Study. American Biomedical Research Conference for Minority Students 2015
16. Graduate student, Doctoral Program in Genetics and Genomics, Duke University
17. **Guzman A**, Stansfield K, Gilarte T. Investigating Dopamine D1 Receptor Levels in the Striatum after Lead Exposure. American Biomedical Research Conference for Minority Students, 2015
18. **Ramlogan A** and Jack D. Validation Study of Collected Parameters by the Hexoskin vs. Laboratory Standards. American Biomedical Research Conference for Minority Students, 2015
The Alexander Joseph Memorial Award, John Jay College 2015
19. **Brathwaite N**, Kleiman N, Freyer GA. Non-invasive detection of environmental stress using Translator protein (18 kDa) (TSPO) in saliva. American Biomedical Research Conference for Minority Students 2015

Symposiums and forums for undergraduates:

- 2nd Cancer Biology Undergraduate Symposium, John Jay College 2018
 - Senior capstone presentations and poster competition
 - Exhibit *Cancer: What You Should Know*
- 2nd Health and Justice Forum, John Jay College 2018
 - Talk: *Women in Science with Dr Regina Santella*
 - Student Poster Presentations
- 1st Cancer Biology Undergraduate Symposium, John Jay College 2017
 - Senior capstone presentations and poster competition
- Minority Initiative for Minority Women in STEM: *Conversation with NYPD Criminalist Vanessa Martinez MSc*, John Jay College 2016
- Public Health Undergraduate Research Showcase, John Jay College 2016
 - Student Poster Presentations
- Minority Initiative for Minority Women in STEM: *Speed Mentoring Event*, John Jay College 2015
- 1st Health and Justice Forum, John Jay College 2015
 - Round table: *Housing and Health: Can your home environment make you sick?*
 - Student Poster Presentations
- Minority Initiative for Minority Women in STEM: *Importance of Networking with Dr Jasmine McDonald*, John Jay College 2014

Mentoring presentations and panels

Role in italics

- Personal Perspectives—Voices of STEM Latinas, NSF INCLUDES Symposium for ADVANCING Latinas in STEM Academic Careers. The University of Texas Rio Grande Valley 2019. *Presenter*
- Creating a Community for Women Graduate Students in STEM through Theater, Mentorship and Dialogue. Graduate Center of the City University of New York 2018. *Mentor*
- Successes and challenges of a Latinx scientist: A personal trajectory into epigenetic research, 3rd Annual Dr. Dale Blackstock Lecture and Awards Ceremony Keynote Presentation. SUNY Downstate Medical Center 2019. *Keynote speaker*

- **Minority Women in STEM: The Road Ahead.** Puerto Rican/Latin American Cultural Center, University of Connecticut 2016. *Invited speaker*
- **Council on Undergraduate Research Institute: Beginning a Research Program in the Natural Sciences at a Predominantly Undergraduate Institution,** San Diego 2013. *Participant*

Funding to support mentoring

Agency	Role	Period
NIEHS R25 ES025505 Graziano (PI) <i>Undergraduate Research Program to Promote Diversity in Environmental Health Sciences</i> To increase the number of underrepresented minority scientists in the field of environmental health sciences	Co-PD	04/01/15-03/31/20
ASCB Linkage Fellows Program <i>Increasing the Engagement of Minority Students in a New Cell and Molecular Biology Major</i> To create a classroom undergraduate research experience for senior students in John Jay College’s Cell and Molecular Biology major and to support a senior poster presentation competition	PI	01/01/16-05/31/18
CUNY Diversity Project Development Fund <i>Minority women in the science: creating a student resource group</i> To create a support group for minority female students to increase networking by organizing roundtables, career related workshops and conferences with minority female professionals	PD	01/01/14-07/01/14

TEACHING

Teaching in the undergraduate and graduate curriculum in the biological sciences. Including other functions such as the hiring of adjunct faculty and design of courses for the Cell and Molecular Biology major as well as non-science major courses.

Current Courses

Graduate

2018-present	Advanced Molecular Biology Laboratory	2 semester
2017-present	Advanced Genetics	2 semesters

Undergraduate

2016-present	Cancer Biology Capstone Course Leader and Coordinator	4 semesters
2015-present	Topics in Cell and Molecular Biology Course Coordinator	6 semesters
2013-present	Modern Biology Course Leader and Coordinator	19 semesters

Previous Courses

Graduate

2011-2013	Environmental Health Sciences Course leader	3 semesters
2012-2013	Chronic Disease Epidemiology Invited Lecturer	3 hrs
2008-2012	Biomarkers of Environmental Exposure Invited Lecturer	3 hrs per semester
2007	Genetics and the Environment Invited Lecturer	3 hrs
2006	Introduction to Molecular Biology Invited Lecturer	3 hrs

Undergraduate

2012	Environmental Sciences Lecturer	1 semester
------	---------------------------------	------------

2011-2013	Chemistry I and II Lecturer	5 semester
2010-2013	Introduction to Biology Lecturer	5 semesters
2010-2013	Introduction to Chemistry I and II Lecturer	5 semesters
2010-2011	Anatomy and Physiology I Lecturer	2 semester

Training

Summer Research Program for Public School Science Teachers, Columbia University		
2003-2011	Laboratory Science workshop Instructor	6 hrs per semester

Funding to support curriculum development

Agency	Role	Period
CUNY Open Educational Resources (OER) Grant Program <i>Creating an OER Organismal Introductory Biology Laboratory</i> This award funded adjunct lecturers and a college assistant in the redesign of organismal introductory biology lab manual and exercises with a focus on new technologies and student engagement	PD	02/01/18-05/24/19
CUNY Software & Equipment Grant Program <i>High throughput omics and data analysis in the STEM classroom</i> This award will fund the purchase of high throughput miRNA and RNA arrays to be used in the instructions of advanced molecular biology courses	PI	06/07/18-06/06/19
Globalizing the Curriculum <i>Global Public Health and Biology of Infectious Diseases</i> This award will fund the development of a new course in the 200-level Scientific World category that explores the biology of infectious diseases, its impacts in public health at the national and global levels and its interactions. In addition, the courses will be proposed as a study abroad program	PD	06/30/17-05/31/18

OTHER PROFESSIONAL ACTIVITIES**Memberships in scientific organizations and societies:**

- American Association for Cancer Research, 2010-present
 - Judge, AACR Undergraduate Student Caucus & Poster Competition, 2016 and 2017
 - Mentor, AACR Special Program for High School Students: “The Conquest of Cancer and the Next Generation of Cancer Researchers”, 2015 and 2017
- American Society for Cell Biology, 2016-present
 - Judge, ASCB Minority Affairs Committee Poster Competition
- Latina Research Network

Ad hoc scientific journal reviewer:

- International Journal of Epidemiology
- Cancer Epidemiology, Biomarkers & Prevention
- Epigenetics
- Epigenomics
- PLOS One
- Journal of Cancer Epidemiology
- Frontiers in Genetics

PhD and MSc thesis committees:

- Milena Rodriguez, PhD program in Neuroscience, Downstate Medical School, SUNY *current*
- Gan Zhang, PhD in Organic Chemistry, Brooklyn College, CUNY 2019
- Dinura Gunatilake, MSc in Forensics Sciences, John Jay College 2019
- Ashley Borrego, MSc in Forensics Sciences, John Jay College 2019
- Kassandra Luyando, MSc in Forensic Sciences, John Jay College 2018

College and University committees:

- Department undergraduate and graduate curriculum committee, 2014-present
- College-wide assessment committee, 2016-2018
- Admission appeals committee, 2014-2016
- College Senate and College Council, 2017-present