

ALBELIZ SANTIAGO-COLÓN, PH.D.

Phone: (513) 841-4310
ASantiagoColon@cdc.gov

1090 Tusculum Avenue
Cincinnati, OH 45226

Associate Service Fellow in the Research Planning & Care Integration Unit at the World Trade Center (WTC) Health Program, which is administered by the National Institute for Occupational Safety and Health (NIOSH), under the Centers for Disease Control and Prevention (CDC). As an epidemiologist, I integrate research findings of the health impacts arising from the 9/11 attacks into the care and well-being of WTC Health Program members, as well as informing future WTC Health Program research needs.

EDUCATION

- | | | |
|------------|--|---------------|
| PhD | University of Cincinnati, Epidemiology
Dissertation: “Association between Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and Selected Birth Defects in the National Birth Defects Prevention Study”
Committee: Dr. Kim Dietrich (chair), Dr. Carissa Rocheleau, Dr. Aimin Chen, Dr. Martha Waters, Dr. Marepalli Rao | December 2018 |
| BS | University of Puerto Rico-Mayagüez, Biology
Graduated Magna Cum Laude | May 2012 |

FELLOWSHIPS

- | | |
|--|--------------|
| Associate Service Fellow
National Institute for Occupational Safety and Health, Cincinnati, OH | 2021-Present |
| Oak Ridge Institute for Science and Education (ORISE) Fellow
National Institute for Occupational Safety and Health, Cincinnati, OH | 2017-2019 |
| Molecular Epidemiology in Children's Environmental Health T31-Predoctoral Fellow
University of Cincinnati, Cincinnati, OH | 2015-2017 |

EXPERIENCE

- | | |
|--|-----------------|
| CDC NIOSH, Cincinnati, OH
Associate Service (T42) Fellow, World Trade Center Health Program | 2021 to Present |
| Caduceus Healthcare/CDC NIOSH, Cincinnati, OH
Contractor/Technical Analyst, World Trade Center Health Program | 2019 to 2021 |

CDC NIOSH, Cincinnati, OH
ORISE Fellow, Division of Field Studies and Engineering
Dissertation Advisor: Dr. Carissa Rocheleau

2017 to 2019

- Project 1: Association between maternal occupational exposure to polycyclic aromatic hydrocarbons and rare birth defects of the face and central nervous system
- Project 2: Testing and Validating Semi-Automated Approaches to the Exposure Assessment of Polycyclic Aromatic Hydrocarbons
- Project 3: Maternal Occupational Exposure to Polycyclic Aromatic Hydrocarbons and Risk of Neural Tube Defects in the National Birth Defects Prevention Study
- Writing and translating into Spanish plain language communication products related to reproductive health in the workplace

TEACHING EXPERIENCE

University of Puerto Rico, Río Piedras, PR September 2022 to Present
Research Committee Advisor, School of Medicine and School of Health Professions

- Post-Doctoral Master of Clinical and Translational Research Program

Post-Doctoral Masters Students Advised
Dr. Antonio Miranda, Thesis In Progress.

University of Cincinnati, Cincinnati, OH
Teaching Assistant, Department

January to May 2017

- Occupational Epidemiology Course

PUBLICATIONS

NIOSH Science Blogs

Santiago-Colón A, Daniels RD, Kubale T, Lum M. World Trade Center Health Program: First Decade of Research, NIOSH Science Blog: 2021 Jun.
<https://blogs.cdc.gov/niosh-science-blog/2021/06/21/wtchp/>

Rocheleau C, **Santiago-Colón A**, Hudson H. Promoting Worker Well-Being through Maternal and Child Health: Breastfeeding Accommodations in the Workplace, NIOSH Science Blog: 2019 Mar. <https://blogs.cdc.gov/niosh-science-blog/2019/02/11/breastfeeding-work/>

Rocheleau C, **Santiago-Colón A**, Hudson H. Promoción del bienestar de las trabajadoras a través de la salud maternal e infantil: Adaptaciones para facilitar la lactancia materna en el lugar de trabajo, NIOSH Science Blog: 2019 Mar. <https://blogs.cdc.gov/niosh-science-blog/2019/03/15/breastfeeding-work-spanish/>

Journal Publications

Siegel MR, Rocheleau CM, Broadwater K, **Santiago-Colón A**, Johnson CY, Herdt ML, Chen IC, Lawson CC; National Birth Defects Prevention Study. Maternal occupation as a nail technician or hairdresser during pregnancy and birth defects, National Birth Defects Prevention Study, 1997-2011. *Occup Environ Med.* 2022 Jan;79(1):17-23. <https://doi.org/10.1136/oemed-2021-107561>. Epub 2021 Jun 30. PMID: 34193593; PMCID: PMC8991319.

Azofeifa A, Martin GR, **Santiago-Colón A**, Reissman DB, Howard J. World Trade Center Health Program - United States, 2012-2020. *MMWR Surveill Summ.* 2021 Sep 10;70(4):1-21. doi: <https://doi.org/10.15585/mmwr.ss7004a1>. PMID: 34499632; PMCID: PMC8480994.

Kubale T, Katruska A, Brown EP, **Santiago-Colón A**, Daniels RD, Reissman DB [2021]. Summary of World Trade Center Health Program research: NIOSH research compendium. Cincinnati, OH: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health:1-595. <http://doi.org/10.26616/NIOSHWTCHP20210001>

Santiago-Colón A, Rocheleau CM, Bertke S, Christianson A, Collins DT, Trester-Wilson E, Sanderson W, Waters MA, Reefhuis J; National Birth Defects Prevention Study. Testing and Validating Semi-automated Approaches to the Occupational Exposure Assessment of Polycyclic Aromatic Hydrocarbons. *Ann Work Expo Health.* 2021 Jul 3;65(6):682-693. <https://doi.org/10.1002/bdr2.1643>. PMID: 33889928; PMCID: PMC8435754.

Cone JE, **Santiago-Colón A**, Lucchini R. 9/11 Health Update. *Int J Environ Res Public Health.* 2021 Jun 12;18(12):6383. <https://doi.org/10.3390/ijerph18126383>. PMID: 34204753; PMCID: PMC8296210.

Daniels RD, Clouston SAP, Hall CB, Anderson KR, Bennett DA, Bromet EJ, Calvert GM, Carreón T, DeKosky ST, Diminich ED, Finch CE, Gandy S, Kreisl WC, Kritikos M, Kubale TL, Mielke MM, Peskind ER, Raskind MA, Richards M, Sano M, Santiago-Colón A, Sloan RP, Spiro A 3rd, Vasdev N, Luft BJ, Reissman DB. A Workshop on Cognitive Aging and Impairment in the 9/11-Exposed Population. *Int J Environ Res Public Health.* 2021 Jan 14;18(2):681. <https://doi.org/10.3390/ijerph18020681>. PMID: 33466931; PMCID: PMC7830144.

Santiago-Colón A, Daniels R, Reissman D, Anderson K, Calvert G, Caplan A, Carreón T, Katruska A, Kubale T, Liu R, Nembhard R, Robison WA, Yiin J, Howard J. World Trade Center Health Program: First Decade of Research. *Int J Environ Res Public Health.* 2020 Oct 6;17(19):7290. <https://doi.org/10.3390/ijerph17197290>. PMID: 33036199; PMCID: PMC7579473.

Santiago-Colón A, Rocheleau CM, Chen IC, Sanderson W, Waters MA, Lawson CC, Langlois PH, Cragan JD, Reefhuis J; National Birth Defects Prevention Study.

Association between maternal occupational exposure to polycyclic aromatic hydrocarbons and rare birth defects of the face and central nervous system. Birth Defects Res. 2020 Mar;112(5):404-417. <https://doi.org/10.1002/bdr2.1643>. Epub 2020 Jan 14. PMID: 31944002; PMCID: PMC8641638.

Santiago-Colón A, Karns R, Mastana S, Deka R. Distribution of ApoE variants in four northeast Indian populations. Collegium Antropologicum 2016;40(4): 285-289.

Leung W, Shaffer CD, Reed LK, ..., **Santiago-Colón A**, ..., Elgin SC. Drosophila muller f elements maintain a distinct set of genomic properties over 40 million years of evolution. G3 (Bethesda). 2015 Mar 4;5(5):719-40.

<https://doi.org/10.1534/g3.114.015966> . PMID: 25740935; PMCID: PMC4426361.

PRESENTATIONS AND INVITED LECTURES

Invited Speaker, “Perspectives from the World Trade Center (WTC) Health Program,” Public Health Conversation: 9/11. Twenty Years Later., Boston University School of Public Health, 10 Sept 2021.

PROFESSIONAL SERVICE

Co-Guest Editor for:

- International Journal of Environmental Research and Public Health | [Special Issue: 9/11 Health Update](#)

LANGUAGES

Spanish: Native Language

English: Advanced Reading, Writing, and Speaking