

CURRICULUM VITAE

NATALIA M. RODRIGUEZ

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EDUCATION

2017	MPH, Global Health, Harvard T. H. Chan School of Public Health
2016	PhD, Biomedical Engineering, Boston University
2013	MSE, Bioengineering, University of Pennsylvania
2009	BS, Chemical Engineering, Massachusetts Institute of Technology
2009	BS, Biology, Massachusetts Institute of Technology

ACADEMIC APPOINTMENTS

2024-present	<i>Associate Professor (tenured)</i> , Department of Public Health, College of Health and Human Sciences, Purdue University, West Lafayette, IN <i>Associate Professor (courtesy)</i> , Weldon School of Biomedical Engineering, College of Engineering, Purdue University, West Lafayette, IN
2022-2023	<i>Associate Director for Population Health and Health Equity</i> , Regenstrief Center for Healthcare Engineering, Purdue University, West Lafayette, IN
2019-2024	<i>Assistant Professor (tenure-track)</i> , Department of Public Health, College of Health and Human Sciences, Purdue University, West Lafayette, IN <i>Assistant Professor (courtesy)</i> , Weldon School of Biomedical Engineering, College of Engineering, Purdue University, West Lafayette, IN
2018-2019	<i>Research Assistant Professor</i> , Department of Anthropology, College of Arts and Sciences, University of Miami, Miami, FL
2017-2019	<i>Director of Global Health Research</i> , Institute for Advanced Study of the Americas, University of Miami, Miami, FL

INDUSTRIAL, BUSINESS, AND GOVERNMENTAL POSITIONS

2016-2017	Co-founder and CEO, Jane Diagnostics, Inc., Boston, MA
2016	Postdoctoral Intern, Medical Devices Policy, Access and Use Unit, Essential Medicines and Health Products Department, Health Systems and Innovation Cluster, World Health Organization, Geneva, Switzerland
2014	USAID Research and Innovation Fellow, Instituto de Evaluación Tecnológica en Salud (Health Technology Assessment Institute), Bogota, Colombia
2009-2011	Biochemical Engineer, Vaccine Process Development, Merck Research Laboratories, Merck & Co., Inc., West Point, PA

HONORS AND AWARDS

2023	NIH Director's New Innovator Award
2023	Excellence in Research Impact, Dept of Public Health, Purdue University
2023	Excellence in Community Engagement, Dept of Public Health, Purdue University
2023	Emerging Scholar, Diverse: Issues In Higher Education
2022	Horizons Faculty Mentor Impact Award, Purdue University
2022	Woman of Distinction, Salute to Women Award, YWCA of Greater Lafayette
2021	Award for Exceptional Teaching and Instructional Support during the COVID-19 Pandemic, Purdue University
2021	Core of Engagement Award for Families Tackling Tough Times Together program, Team member, Purdue University
2021	Faculty Engagement Award for Families Tackling Tough Times Together program, Team member, College of Health and Human Sciences, Purdue University
2019	NIH/NCI Mentored Research Scientist Career Development Award
2017	Harvard President's Innovation Challenge Finalist & Runner-up, Jane Diagnostics (\$25k)
2016	Societal Impact Dissertation Award, College of Engineering, Boston University
2015	Graduate Student Paper of the Year, Department of Biomedical Engineering, Boston University
2014-2016	NIH/NIBIB Diversity Supplement Award
2014	USAID Research and Innovation Fellow
2011-2014	National Science Foundation Graduate Research Fellow
2008	MIT International Science and Technology Initiatives (MISTI-France) Grant Recipient
2007-2009	MIT Office of Minority Education – Laureate and Leader Award
2007	MIT "C. Michael Mohr" Undergraduate Research Award

MEMBERSHIP IN ACADEMIC, PROFESSIONAL, AND SCHOLARLY SOCIETIES

Academic Affiliations:

- Full Member, Regenstrief Center for Healthcare Engineering (RCHE), Purdue University
 - Co-lead, RCHE Subcenter for Community Health Worker Research and Evaluation
- Associate Member, Cancer Prevention and Control Program, Indiana University Simon Comprehensive Cancer Center
- Co-Director, Community Health Workforce Development Institute, Purdue University
- Faculty Associate and Public Health Advisory Council Co-lead, Purdue Center for Health Equity and Innovation (CHEqI), Purdue University
- Member, Purdue Institute of Inflammation, Immunology and Infectious Disease (PI4D)
- Member, Indiana University (IU) Center for HPV Research
- Member, Purdue Engineering-IU School of Medicine Engineering-Medicine Partnership

Professional Societies:

- American Public Health Association (APHA)
- IEEE Engineering in Medicine and Biology Society (EMBS)
- Biomedical Engineering Society (BMES)
- Interdisciplinary Association for Population Health Science (IAPHS)
- Association for Clinical and Translational Science (ACTS)
- International Papillomavirus Society (IPVS)

PUBLICATIONS

superscripts indicate co-author(s) mentored by Dr. Rodriguez: ^uundergraduate student, ^ggraduate student; ^ccommunity partner/community health worker

REFEREED JOURNAL ARTICLES

1. Brennan,^g L., Adekunle,^g T., Kasting, M., Forman, M. R., Champion, V., **Rodriguez, N.M.** (In press). Factors Associated with Clinician Willingness to Adopt HPV Self-sampling and Self-testing for Cervical Cancer Screening. *Journal of Clinical and Translational Science*.
2. DeMaria, A.L, Martinez, R., Otten, E., Schnolis, E., Hrubiak, S., Frank, J., Cromer, R., Ruiz, Y., **Rodriguez, N.M.** (2024). Menstruating while homeless during COVID-19: Navigating access to products, spaces, and services. *BMC Public Health*, 24, 909.
3. **Rodriguez, N.M.**, Ziolkowski, R.,^g Hicks, J.,^c Dearing, M.,^c Layton, J.,^c Balser, A.,^c Paton, G.,^c Loomis, G.^c (2024). Infectious Disease Preparedness in Homeless Populations: Recommendations from a Community-Academic Partnership. *Progress in Community Health Partnerships: Research, Education, and Action*, 18(1), 113-119.
4. **Rodriguez, N.M.**, Balian, L., Tolliver,^uC., Kataki,^u I., Rivera-De Jesus,^g J., Linnes, J.C. (2023). Human-centered design of a smartphone-based self-test for HIV viral load monitoring. *Journal of Clinical and Translational Science*, 7(1), e262.
5. Adekunle,^g T., Arreola,^u A., Sembian,^u S., Castro,^c R., Claire,^g L., Balian, L., **Rodriguez, N.M.** (2023). Feasibility and anticipated acceptability of community health worker-facilitated HPV self-sampling for cervical cancer screening around Lake County, Indiana. *Journal of Clinical and Translational Science*, 7(1), E157. doi:10.1017/cts.2023.578
6. **Rodriguez, N.M.**, Burleson G., Linnes, J.C., Sienko, K. (2023). Thinking Beyond the Device: An Overview of Human- and Equity-Centered Approaches for Health Technology Design. *Annual Review of Biomedical Engineering*. 25:1, 257-280.
7. **Rodriguez, N.M.**, Brennan, L.P.,^g Claire, L.,^g Balian, L.N., Champion, V.L., Forman, M.R. (2023). Leveraging COVID-era Innovation for Cervical Cancer Screening: Clinician Awareness and Attitudes Toward Self-Sampling and Rapid Testing for HPV Detection. *Plos One*, 18(3), e0282853.
8. **Rodriguez, N.M.**, Brennan, L.P.,^g Claire, L.,^g Balian, L.N., Kasting, M.L., Champion, V.L., Forman, M.R. (2023). Clinician practices, knowledge, and attitudes regarding primary human papillomavirus testing for cervical cancer screening: A mixed-methods study in Indiana. *Preventive Medicine Reports*. <https://doi.org/10.1016/j.pmedr.2022.102070>
9. **Rodriguez, N. M.**, Cromer, R., Martinez, R.G.,^g Ruiz, Y. (2022). Impact of COVID-19 on People Experiencing Homelessness: A Call for Critical Accountability. *American Journal of Public Health*. <https://doi.org/10.2105/AJPH.2022.306768>
10. **Rodriguez, N.M.**, Martinez, R.G.,^g Ziolkowski, R.,^c Tolliver, C.,^u Young, H.,^u Ruiz, Y. (2022). “COVID knocked me straight into the dirt”: Perspectives from people experiencing homelessness on the impacts of the COVID-19 pandemic. *BMC Public Health*, 22, 1327.

11. MacNeill, J.J.,^u Linnes, J.C., Hubach, R.D., **Rodriguez, N.M.** (2022). From crisis to crisis: Impacts of the COVID-19 pandemic on people living with HIV and AIDS service organizations in Indiana. *BMC Health Services Research*, 22(1), 1-11.
12. **Rodriguez, N.M.** (2022). Community Health Workers in the U.S.: Time to Expand a Critical Workforce. *American Journal of Public Health*. <https://doi.org/10.2105/AJPH.2022.306775>
13. **Rodriguez, N.M.**, Ruiz, Y., Meredith, A., Kimiecik, C.,^g Olatunde, O., Kimera, L.,^u Gonzalvo, J. (2022). Indiana Community Health Workers: Challenges and Opportunities for Workforce Development. *BMC Health Services Research*, 22(1), 1-24.
14. Gonzalvo, J., Meredith, A., Adeoye-Olatunde, O., Kimiecik, C., Pastakia, S., **Rodriguez, N.M.**, Ruiz, Y., Ott, C., Schellhase, Crawford, Crowe, Samuel, Conklin, Adams, Karwa, R. (2022) A Call to Action from The Purdue University Center for Health Equity and Innovation. *Journal of the American College of Clinical Pharmacy*. <https://doi.org/10.1002/jac5.1660>
15. Brennan, L.,^g **Rodriguez, N.M.**, Head, K., Zimet, G., Kasting, M. (2022). Obstetrician/Gynecologists' HPV Vaccination Recommendations among Women 26 and Younger. *Preventive Medicine Reports*, 27, 101772.
16. Pastrana, T., De Lima, L., Knaul, F., Arreola-Ornelas, H., **Rodriguez, N.M.** (2022). How universal is Palliative Care in Colombia? A health policy and systems analysis. *Journal of Pain and Symptom Management*. <https://doi.org/10.1016/j.jpainsymman.2021.07.007>
17. **Rodriguez, N.M.** (2021). Participatory innovation for human papillomavirus screening to accelerate the elimination of cervical cancer. *The Lancet Global Health*, 9(5), e582-e583.
18. **Rodriguez, N.M.**, Lahey, A.M.,^u MacNeill, J.J.,^u Martinez, R.G.,^g Teo, N.E.,^u Ruiz, Y. (2021). Homelessness during COVID-19: challenges, responses, and lessons learned from homeless service providers in Tippecanoe County, Indiana. *BMC Public Health*, 21(1), 1-10.
19. Casanova, F.,^g Knaul, F.M., **Rodriguez, N.M.** (2021). Harvesting health knowledge: breast cancer perceptions in the South Florida Latinx farmworker community. *Qualitative Health Research*, 31(8), 1423–1436.
20. **Rodriguez, N. M.**, Casanova, F.,^g Pages, G.,^u Claire, L.,^u Pedreira, M.,^u Touchton, M., & Knaul, F. (2020). Community-based participatory design of a community health worker breast cancer training intervention for South Florida Latinx farmworkers. *PloS one*. 15(10), e0240827.
21. Knaul, F.M.*, **Rodriguez, N.M.***, Arreola-Ornelas H., Olson, J.R. (2019). Cervical Cancer: Lessons Learned from Neglected Tropical Diseases. *The Lancet Global Health*, 7(3), e299-e300.
22. Bhadelia A., De Lima L., Arreola-Ornelas H., Jiang Kwete X., **Rodriguez N.M.**, Knaul F.M. (2019). Solving the global crisis in access to pain relief: lessons from country actions. *American Journal of Public Health*. 109(1), 58-60.
23. Velazquez Berumen, A., Jimenez Moyao, G., **Rodriguez, N.M.**, Ilbawi, A.M., Migliore, A., Shulman, L.N. (2018). Defining priority medical devices for cancer management: a WHO initiative. *The Lancet Oncology*, 19(12), pp.e709-e719.

24. Knaul, F.M, Arreola-Ornelas, H., **Rodriguez, N.M.**, Mendez-Carniado, O., Kwete, X.J., Puentes-Rosas, E., Bhadelia, A. (2018). Avoidable mortality: the core of the global cancer divide. *Journal of Global Oncology*, 4, 1-12.
25. Knaul, F. M., **Rodriguez, N. M.**, Bhadelia, A., Garcia, P., Atun, R. (2018). Progress on women's health—lessons and opportunities for global cancer control. *The Lancet Global Health*, 6, S9-S10.
26. Knaul, F. M., Bhadelia, A., **Rodriguez, N. M.**, Arreola-Ornelas, H., & Zimmermann, C. (2018). The Lancet Commission on Palliative Care and Pain Relief—findings, recommendations, and future directions. *The Lancet Global Health*, 6, S5-S6.
27. Knaul, F.M., Farmer, P., Krakauer, E., De Lima, L., Bhadelia, A., Kwete X.J., Arreola, H., Gomez, O., **Rodriguez, N.M.**, et al. (2017). Alleviating the access abyss in palliative care and pain relief—an imperative of universal health coverage: the Lancet Commission report. *The Lancet*, 391(10128), 1391-1454.
28. **Rodriguez, N. M.**, Brant, J. M., Pendharkar, D., Arreola-Ornelas, H., Bhadelia, A., Lopes, G., Knaul, F. M. (2017). Thinking Differently in Global Health in Oncology Using a Diagonal Approach: Harnessing Similarities, Improving Education, and Empowering an Alternative Oncology Workforce. *American Society of Clinical Oncology Educational Book*, 37, 416-425.
29. **Rodriguez, N. M.**, Wong, W. S., Liu, L., Dewar, R., Klapperich, C. M. (2016). A Fully Integrated Paperfluidic Molecular Diagnostic Chip for the Extraction, Amplification, and Detection of Nucleic Acids from Clinical Samples. *Lab on a Chip*, 16(4), 753-763.
30. Linnes, J. C., **Rodriguez, N. M.**, Liu, L., Klapperich, C. M. (2016). Polyethersulfone improves isothermal nucleic acid amplification compared to current paper-based diagnostics. *Biomedical microdevices*, 18(2), 30.
31. **Rodriguez, N. M.**, Linnes, J. C., Fan, A., Ellenson, C. K., Pollock, N. R., Klapperich, C. M. (2015). Paper-based RNA extraction, in situ isothermal amplification, and lateral flow detection for low-cost, rapid diagnosis of Influenza A (H1N1) from clinical specimens. *Analytical Chemistry*, 87(15), 7872-7879.
32. Linnes, J. C., Fan, A., **Rodriguez, N. M.**, Lemieux, B., Kong, H., Klapperich, C. M. (2014). Paper-based molecular diagnostic for Chlamydia trachomatis. *RSC Advances*, 4, 42245-42251.
33. **Rodriguez, N. M.**, Desai, R. A., Trappmann, B., Baker, B. M., Chen, C. S. (2014). Micropatterned multicolor dynamically adhesive substrates to control cell adhesion and multicellular organization. *Langmuir*, 30(5), 1327–1335.
34. Desai, R. A., **Rodriguez, N. M.**, Chen, C. S. (2014). Stamp-off to micropattern sparse, multicomponent features. *Methods in Cell Biology*, 119, 3-16.
35. Macdonald, M. L., **Rodriguez, N. M.**, Shah, N. J., & Hammond, P. T. (2010). Characterization of tunable FGF-2 releasing polyelectrolyte multilayers. *Biomacromolecules*, 11(8), 2053-2059.
36. Macdonald, M. L., **Rodriguez, N. M.**, Smith, R., & Hammond, P. T. (2008). Release of a model protein from biodegradable self-assembled films for surface delivery applications. *Journal of Controlled Release*, 131(3), 228-234.

MANUSCRIPTS UNDER REVIEW

1. **Rodriguez, N.M.**, Balian, L., Kataki,^u I., Tolliver,^u C., Rivera-De Jesus,^g J., Linnes, J.C. Stakeholder-engaged development of a rapid test for detection of acute HIV infection. (*R&R at Journal of Clinical and Translational Science*).
2. Ziolkowski,^{c,g} R., Balian, L., Sridhar,^g S., **Rodriguez, N.M.** Improving uptake of COVID-19 testing and vaccination in a homeless population: Impact of shelter-based community health worker-led education. (*R&R at BMJ Open*).
3. Schnolis,^u E., Hrubicki, S., Arora, A., Gamaleldin, K., Martinez,^g R., Cromer, R., Ruiz, Y., **Rodriguez, N.M.**, DeMaria, A.L. Enhancing Menstruation Resources for People Experiencing Homelessness: Understanding the Service Provider Perspective. (Under review)
4. Suresh Babu,^g M., Kasting, M.L., **Rodriguez, N.M.** Association between Health Insurance Coverage and Stage of Diagnosis for Cervical Cancer among Women in Indiana from 2011-2019. (Under review)
5. Ruiz, Y., Kimiecik, C., Reich, K. N., Congdon, M. R., Thompson, S., Martinez, R., **Rodriguez, N.M.** “Me I’m a survivor”: Resilience among people experiencing homelessness in the Midwest. (Under review).

BOOKS AND BOOK CHAPTERS

1. Krakauer, E.L., Kwete, X.J., Verguet, S., Arreola-Ornelas, H., Bhadelia, A., Mendez, O., **Rodriguez, N.M.**, et al. Chapter 12. “Palliative Care and Pain Control“ in Jamison, D.T., H. Gelband, S. Horton, P. Jha, R. Laxminarayan, C.N. Mock, and R. Nugent, editors. (2018). *Disease Control Priorities: Improving Health and Reducing Poverty*. Volume 9, *Disease Control Priorities* (third edition). Washington, DC: World Bank.
2. World Health Organization. “WHO List of Priority Medical Devices for Cancer Management”. (2017). Geneva, Switzerland. ISBN: 978-92-4-156546-2. (*Per WHO publishing guidelines, sole author is WHO. Contributors, including Dr. Rodriguez, are listed in acknowledgements. This book was the primary outcome of Dr. Rodriguez’s postdoctoral internship at WHO.*)
3. **Rodriguez, N.M.**, Martinez, R., Ziolkowski, R., Cromer, R., Balian, L., Ruiz, Y. Pandemic response in homeless populations: Lessons learned from a community-academic partnership in Indiana, USA. In Schiff, R., Wilkinson, A., Cullingham, S., & Buccieri, K. (Eds). (Forthcoming). *Pandemic planning and homelessness: Lessons from COVID-19*. Canadian Observatory on Homelessness.

INVITED TALKS

International

1. **Rodriguez, N.M.** Panelist, Women’s Cervical Cancer Screening. Diagnostics for Global Health Workshop, virtual conference. July 12, 2021.

2. **Rodriguez, N.M.**, Knaul, F.M. Alleviating the access abyss in palliative care and pain relief—an imperative of universal health coverage: Key findings and recommendations of the Lancet Commission report. IX Congreso Latinoamericano de Cuidados Paliativos (Latin American Palliative Care Congress). Santiago, Chile. April 2018.

National

3. **Rodriguez, N.M.** Human-centered design of a smartphone-based self-test for HIV viral load monitoring. BE695: Advanced Biomedical Design and Development. Boston University, virtual. November 29, 2023.
4. Linnes, J.L.,* **Rodriguez, N.M.*** Human-centered design of a smartphone-based self-test for HIV viral load monitoring. NIH Office of AIDS Research Virtual Workshop: Community Voices – Forging the Path Forward for HIV Self-testing and Personalized Viral Load Monitoring. November 1, 2023.
5. **Rodriguez, N.M.**, Ziolkowski, R. Community Health Worker Led COVID-19 Education and Rapid Antigen Testing for People Experiencing Homelessness. NIH Rapid Acceleration of Diagnostics – Underserved Populations (RADx-UP) Project Wide Virtual Meeting. October 19, 2023.
6. **Rodriguez, N.M.** Human-centered design of a rapid HPV test for cervical cancer screening in underserved populations. BE468: Clinical Applications of Biomedical Design. Boston University, virtual. October 12, 2023.
7. **Rodriguez, N.M.** Human-centered Design of an HPV Rapid Test for Cervical Cancer Screening in Underserved Populations. Cancer Prevention and Control Colloquia Series, National Cancer Institute, NIH. Bethesda, MD. April 4, 2023.
8. **Rodriguez, N.M.** Community Engagement in Engineering Design. BE695: Advanced Biomedical Design and Development. Boston University, virtual. November 30, 2022.
9. **Rodriguez, N.M.** Human-centered (re)design of an HPV rapid diagnostic test for cervical cancer screening. Precision Diagnostics Center Seminar. Boston University, Boston, MA. October 20, 2022.
10. **Rodriguez, N.M.** Community Engagement in Engineering Design. BE468: Clinical Applications of Biomedical Design. Boston University, Boston, MA. October 13, 2022.
11. **Rodriguez, N.M.** Toward Equity-Centered Innovation: Opportunities at the Intersection of Public Health and Engineering. University of Pittsburgh School of Public Health & Swanson School of Engineering Mini Symposium Keynote Lecture., Pittsburgh, PA. Apr 21, 2022.
12. **Rodriguez, N.M.** Addressing Health Disparities through Community-designed Health Technologies. COH599 Public Health Foundation, National University, virtual. Oct 6, 2021
13. Gonzalvo, J., Meredith, A., Olatunde, O., **Rodriguez, N.M.**, Ruiz, Y. Indiana Community Health Workforce Development Institute. Big Idea Leadership Summit, virtual. June 2021.
14. **Rodriguez, N. M.** Building Community through Engineering: Community-based Participatory Research for the Design and Translation of Health Technologies. PITT STRIVE (Success, Transition, Representation, Innovation, Vision, and Education) Program Annual Retreat, Keynote Lecture. University of Pittsburgh Swanson School of Engineering, virtual. August 6, 2020.
15. **Rodriguez, N. M.** A paperfluidic, point-of-care, molecular diagnostic platform for global health. Biomedical Nanotechnology Institute at the University of Miami (BioNIUM). Miami, FL. February 2018.

16. **Rodriguez, N. M.**, De Lima, L. Case Analysis on Palliative Care and Pain Control Coverage in the Colombian Health System. Working group meeting on Palliative Care Case Studies in Latin America and the Caribbean, Pan American Health Organization (PAHO), Washington, D.C., December 2016.
17. **Rodriguez, N. M.** Biomedical Innovation for Global Health. Maximizing Access to Research Careers – Undergraduate Student Training in Academic Research (MARC U-STAR) Program, University of Puerto Rico, Humacao, Puerto Rico. October 2016.

State

18. **Rodriguez, N.M.** Human-centered Design of a Rapid HPV Test for Cervical Cancer Screening in Underserved Populations. Indiana University Simon Comprehensive Cancer Center, Grand Rounds Lecture. Indianapolis, IN. May 5, 2023.
19. **Rodriguez, N.M.** Human-centered Design of an HPV Rapid Test for Cervical Cancer Screening. Indiana University School of Medicine, Center for HPV Research. Feb 28, 2023.
20. **Rodriguez, N.M.** Can COVID-era innovation improve cervical cancer screening? Indiana University Simon Comprehensive Cancer Center, Cancer Prevention and Control Program Meeting. Mar 9, 2022.
21. **Rodriguez, N.M.** Achieving Health Equity through Human-centered Technology and Workforce Innovation. Experience Innovation Center (XCenter), Discovery Park. Oct 26, 2021
22. **Rodriguez, N.M.** COVID-19 Vaccine Considerations for People Experiencing Homelessness. Lafayette Transitional Housing Center (LTHC) Homeless Services. March 8, 2021.
23. Gonzalvo, J., Meredith, A., **Rodriguez, N. M.**, Ruiz, Y. Indiana Community Health Workforce Needs Assessment Findings and Recommendations. Indiana Rural Health Association, Lunch and Learn. February 25, 2021.
24. **Rodriguez, N.M.** COVID-19 and Homelessness in Tippecanoe County, Indiana. LTHC Homeless Services Board of Trustees Meeting. February 10, 2021.
25. **Rodriguez, N.M.** COVID-19 and Homelessness in Tippecanoe County, Indiana. Indiana Region 4 Homelessness Prevention and Intervention Network (HPIN) Meeting. January 21, 2021.
26. **Rodriguez, N. M.** Community-based Participatory Design of an HPV Rapid Test for Cervical Cancer Screening. Center for HPV Research, Indiana University School of Medicine, Indianapolis, IN. January 15, 2020.

Purdue

27. **Rodriguez, N.M.**, Cromer, R. Troubling claims: Examining data and discourse in a federal report about COVID-19 and homelessness. Hutton Lectures in Rhetoric & Composition. Purdue University, West Lafayette, IN. Dec 1, 2022
28. **Rodriguez, N. M.** Biomedical Innovation for Global Health. WorldHealth Purdue Roundtable. Purdue University, West Lafayette, IN. Mar 9, 2022.
29. **Rodriguez, N.M.** Technology as a Tool for Health Equity. Health Equity Summit organized by Dr. Jerome Adams. Purdue University. Jan 28, 2022
30. **Rodriguez, N.M.** COVID-19 and Homelessness in Lafayette, Indiana: A community-based approach to pandemic response. Center for Health Equity and Innovation. April 20, 2021.

31. **Rodriguez, N.M.** Human-centered and community-based approaches to health technology development. Engineering Health Access, Purdue College of Engineering Webinar. April 14, 2021
32. **Rodriguez, N. M.** COVID-19 and Homelessness in Lafayette, Indiana: A community-based approach to pandemic response. Critical Data Studies Teach-in, Purdue University. February 5, 2021.
33. **Rodriguez, N. M.** Community-based Participatory Design of an HPV Rapid Test: Addressing Cervical Cancer Disparities in the South Florida Migrant Farmworker Population. Human Development and Family Studies (HDFS) Colloquium, Purdue University, West Lafayette, IN. January 24, 2020.
34. **Rodriguez, N. M.** Community-based Design and Implementation of Health Technologies to Address Cancer Disparities. School of Health Sciences (HSCI) Research Seminar Series, Purdue University, West Lafayette, IN. October 1, 2019.
35. **Rodriguez, N. M.** Community-based Participatory Research Methods for the Design and Translation of Health Technologies to Address Women’s Cancer Disparities. Advanced Methods at Purdue (AMAP) Flash Presentations. Purdue University. West Lafayette, IN. September 17, 2019.
36. **Rodriguez, N. M.** Community-based Participatory Design and Translation of an HPV Point-of-Care Diagnostic to Address Cervical Cancer Disparities. BME Seminar, Weldon School of Biomedical Engineering. Purdue University. West Lafayette, IN. September 4, 2019.
37. **Rodriguez, N. M.** Community-based Participatory Research for the Design and Translation of Health Technologies to Address Women’s Cancer Disparities. Department of Public Health. Purdue University, West Lafayette, IN. March 6, 2019.

CONFERENCE ACTIVITY

REFEREED ORAL PRESENTATIONS

International

1. **Rodriguez, N.M.*** Human-centered design of an HPV rapid test for cervical cancer screening in underserved populations. 30th EUROGIN International Multidisciplinary HPV Conference. Bilbao, Spain. February 8, 2023.
2. **Rodriguez, N.M.,*** Fan, A., Linnes, J. C., Chen, C. S., Klapperich, C. M. A Fully Integrated Paper-Based Assay for the Extraction, Isothermal Amplification, and Detection of Pandemic (H1N1) Influenza A RNA. African Society for Laboratory Medicine (ASLM) Conference, Cape Town, South Africa, December 2014.

National

3. DeMaria, A.L., Otten, E., Schnolis, E., Hrubiak, S., Martinez, R., Cromer, R., Ruiz, Y., **Rodriguez, N.M.** Understanding the menstrual health needs of people experiencing homelessness during the COVID-19 pandemic in Lafayette, Indiana. American Public Health Association Annual Meeting. Atlanta, GA. November 15, 2023.

4. Linnes, J.C., **Rodriguez, N.M.**, Serrano, M. Engineering Health Equity: Perspective and Pedagogy of Interdisciplinary Teaching and Learning and Impact on Learners' Social Identity. American Society for Engineering Education. Baltimore, MD. June 25, 2023.
5. Ziolkowski, R.,^{*§} Balian, L., **Rodriguez, N.M.** Community Health Worker Led COVID-19 Education and Rapid Testing for People Experiencing Homelessness. American Public Health Association (APHA) Annual Meeting. Boston, MA. November 7, 2022.
6. Kimiecik, C.,^{*§} Kimera, L.,^u Meredith, A.H., Gonzalvo, J.D., Ruiz, Y., **Rodriguez, N.M.** Expanding a robust CHW workforce in Indiana: Key challenges and recommendations from a statewide needs assessment and cross-state comparisons. American Public Health Association (APHA) Annual Meeting, virtual. October 21, 2021.
7. Martinez, R.G.,^{*§} **Rodriguez, N.M.** The impacts of COVID-19 on Homelessness in Tippecanoe County. Society for Applied Anthropology Annual Meeting. March 23, 2021.
8. Casanova, F.,^{*§} **Rodriguez, N.M.** Training Community Health Workers to Promote Breast Health and Early Detection of Breast Cancer among the South Florida Farmworker Community. American Public Health Association (APHA) Annual Meeting, virtual. October 26, 2020.
9. **Rodriguez, N.M.**,^{*} Casanova, F.,[§] Pages, G.,^u Promoting Breast Health and Early Detection of Breast Cancer: A training for CHWs. Florida Community Health Worker Coalition Southeast Regional Symposium. West Palm Beach, Florida. April 26, 2019.
10. **Rodriguez, N.M.**,^{*} Casanova, F.,[§] Olson, J.R.,[§] Training Community Health Workers to Promote Breast Health and Early Detection of Breast Cancer among the South Florida Farmworker Community. Florida Community Health Worker Coalition Annual Summit. Orlando, Florida. September 2018.
11. **Rodriguez, N.M.**,^{*} Knaul, F.M. Diagonal Response to Women's Cancers: Innovations to improve education, training, and awareness. American Society of Clinical Oncology Annual Meeting. Chicago, Illinois. June 2017.
12. Rodriguez, N. M.,^{*} Fan, A., Linnes, J. C., Chen, C. S., Klapperich, C. M. Paper-based extraction, amplification, and detection of Pandemic (H1N1) Influenza A RNA for molecular diagnosis at the point of care. Biomedical Engineering Society (BMES) Annual Meeting, San Antonio, Texas, October 2014.

State

13. Gonzalvo, J. D.,^{*} Kimiecik, C.,^{§*} Meredith, A. H.,^{*} **Rodriguez, N.M.**,^{*} Ruiz, Y^{*}. Indiana community health workers: Challenges and opportunities for workforce development. Indiana Public Health Association (IPHA) Conference & Annual Meeting, virtual. April 9, 2021.

REFEREED POSTER PRESENTATIONS

International

1. **Rodriguez, N.M.**,^{*} Brennan, L.P.,[§] Claire, L.,[§] Balian, L.N. Towards Self-Sampling and Rapid HPV Testing For Cervical Cancer Screening: A Mixed-Methods Analysis of Indiana Clinicians' Willingness to Adopt. 35th International Papillomavirus Conference & Basic Science, Clinical Science and Public Health Workshops (IPVC 2023). Washington D.C., USA. April 17-21, 2023.

National

2. Claire,^g L., Balian, L., **Rodriguez, N.M.** Cervical Cancer Disparities: Knowledge, Screening and Willingness to adopt testing modalities among Hispanic/Latinx Women in Lake County, Indiana. Association for Clinical and Translational Science (ACTS) Annual Meeting. Las Vegas, NV. April 2024. [accepted abstract]
3. Suresh Babu,^g M., Kasting, M.L., **Rodriguez, N.M.** Association between Health Insurance Coverage and Stage of Diagnosis for Cervical Cancer among Women in Indiana from 2011-2019. American Association for Cancer Research (AACR) Annual Meeting. San Diego, CA. April 8, 2024. [accepted abstract]
4. Tipton, J., **Rodriguez, N.M.** Igniting Innovation in Oncology Care Through Oncology Nursing and Engineering Collaboration. Oncology Nursing Society 49th Annual Congress. Washington, DC. April 26, 2024. [accepted abstract]
5. Brennan, L.^{g,*} Hamacher,^u F., Linnes, J.C., **Rodriguez, N.M.** Rapid Test for high risk HPV to Sensitively Detect HPV 16 for Cervical Cancer Screening. Biomedical Engineering Society Annual Meeting. Seattle, WA. October 2023.
6. Hamacher, F.^{u,*} Brennan, L., Linnes, J.C., **Rodriguez, N.M.** Development of a Sample Adequacy Control for a Human Papillomavirus 16 Rapid Test. Biomedical Engineering Society Annual Meeting. Seattle, WA. October 2023.
7. Adekunle, T.^{g,*} Arreola, A., Sembian, S., **Rodriguez, N.M.** Feasibility and Anticipated Acceptability of Community Health Worker-facilitated HPV Self-sampling for Cervical Cancer Screening in Lake County, Indiana. Association for Clinical and Translational Science Annual Meeting. Washington, D.C. April 18, 2023.
8. Otten, E., Schnolis, E., Hrubciak, S., Martinez, M., Cromer, R., Ruiz, Y., **Rodriguez, N.**, DeMaria, A. Understanding the Menstrual Health Needs of People Experiencing Homelessness during the COVID-19 Pandemic in Lafayette, Indiana. American Academy of Health Behavior, Annual Meeting. San Francisco, CA. March 12, 2023.
9. Brennan, L.,^{*g} Linnes, J.C., **Rodriguez, N.M.** HPV Rapid Test Design Informed by Clinician Preferences for Cervical Cancer Screening. Biomedical Engineering Society (BMES) Annual Meeting. San Antonio, TX. October 14, 2022.
10. **Rodriguez, N.M.*** Indiana healthcare provider perspectives on cervical cancer screening innovations: A mixed methods study. National Cancer Institute – Center to Reduce Cancer Health Disparities (NCI CRCHD) Professional Development Workshop, virtual. July 21, 2021.
11. Casanova, F.,^{*g} **Rodriguez, N.M.** Training Community Health Workers to Promote Breast Health and Early Detection of Breast Cancer among the South Florida Farmworker Community. Miami Clinical and Translational Science Institute Annual Executive Advisory Committee Meeting. Miami, FL. February 20, 2020.
12. Sawaya, A.,^{*} Anand, R., Venkatapuram, S., **Rodriguez, N.**, & Dewar, R. (2017). Disparity in Delivery: Why Is What Is Good for the Goose, Not Good for the Gander? Cervical Cancer Screening Program Strategies in LMICs Are Inferior. *Annals of Global Health*, 83(1).

13. **Rodriguez, N. M.,*** Linnes, J. C., Liu, L., Wong, W. S., Klapperich, C. M. A Low-Cost Paper-Based HPV Molecular Diagnostic for Cervical Cancer Screening in Low- and Middle-Income Countries. National Cancer Institute – Center for Global Health Symposium for Global Cancer Research, Boston, MA, March 2015.
14. **Rodriguez, N. M.,*** Dewar, R., Khadapkar, R., McDonald, T., Parkash, V., Das, B. R. Cost feasibility of high-risk Human Papillomavirus (HPV) based population screening for cervical cancer is variable among Low and Middle Income Countries and depends on demographics & availability of locally trained cytopathology man-power. Association for Molecular Pathology (AMP) Annual Meeting, Washington, D.C., November 2014.
15. Rodriguez, N. M.,* Desai, R. A., Chen, C. S. Engineering patterned co-cultures using dynamically adhesive substrates to study cell-cell interactions. Biomedical Engineering Society (BMES) Annual Meeting, Atlanta, GA, October 2012.
16. Macdonald, M. L., Brenner, N., Endale, G., **Rodriguez, N.,** & Hammond, P. T. (2007, August). COLL 109-Use of electrostatically self-assembled nanolayers for growth factor delivery from implant surfaces. In *Abstracts of Papers of the American Chemical Society* (Vol. 234). 1155 16th St, NW, Washington, DC 20036 USA: Amer Chemical Soc.
17. Macdonald, M. L., Brenner, N., Endale, G., **Rodriguez, N.,** Langer, R., & Hammond, P. T. (2007, August). POLY 536-Toward sequential growth factor delivery from scaffold surfaces. In *Abstracts of Papers of the American Chemical Society* (Vol. 234). 1155 16th St, NW, Washington, DC 20036 USA: Amer Chemical Soc.

State

18. Claire, L.,^{§*} Brennan, L.[§] Balian, L., **Rodriguez, N.M.** Clinician practices, knowledge, and attitudes regarding primary HPV testing and self-sampling for cervical cancer screening. Indiana University Simon Comprehensive Cancer Center, Cancer Research Day. Indianapolis, IN, October 12, 2022.

RESEARCH FUNDING

ACTIVE RESEARCH GRANTS

Extramural:

1. NIH – Office of the Director (New Innovator Award)
DP2MD019356
Addressing Cervical Cancer Disparities Among Women Experiencing Homelessness
09/01/2023 - 8/31/2028
Total Amount of Award: \$2,299,750
Principal Investigator
2. NIH – National Center for Advancing Translational Sciences
UL1TR002529
Indiana Clinical and Translational Sciences Institute
05/01/2023 - 04/30/2024
Total Award Amount: \$904,258
Directly responsible for: \$3949
Co-investigator (PI: George Wodicka)

3. Health Resources and Services Administration (HRSA)

T29HP46719

Community Health Worker Training Program

09/15/2022 – 09/14/2025

Total Amount of Award: \$2,407,068

Co-Investigator (PI: Cody Mullen)

4. Indiana Department of Health – Office of Minority Health

Workforce Development in COVID Response Program

COVID-19 Health Equity Community Health Workers Council

07/01/2021 - 08/31/2024

Total Amount of Award: \$427,425

Directly responsible for: \$125,393

Co-principal Investigator

5. NIH - National Cancer Institute

K01CA241073

Community-based Participatory Design of an HPV Rapid Diagnostic Test for Cervical Cancer Screening

09/01/2019 – 08/31/2024

Total Amount of Award: \$916,169 (includes one administrative supplement)

Principal Investigator

6. NIH - National Institute on Drug Abuse

DP2DA051910

Point-of-use Acute HIV Infection Diagnostic for Substance Using Populations

07/01/2020 - 06/30/2024

Total amount of award: \$2,325,000

Directly responsible for: \$279,000

Co-Investigator (PI: Jacqueline Linnes)

7. NIH - National Institute of Allergy and Infectious Diseases/National Institute of Mental Health

R33AI140474/R61AI140474

Smartphone-based diagnostic for HIV self-testing

08/01/2018 - 07/31/2023

Total amount of award: \$1,815,166

Directly responsible for: \$29,476

Co-Investigator (PI: Jacqueline Linnes)

Intramural:

8. Kinley Trust

Equitable Cancer Screening: Knowledge, Attitudes, Experience, and Training Needs among Community Health Workers in Indiana

05/01/2023 – 04/30/2024

Total Amount of Award: \$25,000

Directly responsible for: Budget was not divided by role

Co-Investigator (PI: Haocen Wang)

9. Showalter Trust
Addressing Cervical Cancer Disparities Among Homeless Women
07/01/2023 – 07/31/2024
Total Amount of Award: \$75,000
Principal Investigator

COMPLETED RESEARCH GRANTS

Extramural:

10. Indiana Clinical and Translational Sciences Institute
Community Health Partnerships Trailblazer Award
Examining multilevel determinants of cervical cancer and acceptability of screening innovations to address disparities among Hispanic women in Lake County, Indiana
10/01/2021 - 09/30/2023
Total Amount of Award: \$25,000
Principal Investigator

11. NIH-National Institute on Minority Health and Health Disparities / Duke University
Rapid Acceleration of Diagnostics for Underserved Populations (RADx-UP) Rapid Research Pilot Program
U24MD016258 (subaward A03-4966)
Community Health Worker Led COVID-19 Education and Rapid Antigen Testing for People Experiencing Homelessness
07/01/2021 - 12/31/2022
Total Amount of Award: \$296,250
Principal Investigator

12. Indiana Clinical and Translational Sciences Institute
Community Health Partnerships Trailblazer Award
Mitigating COVID-19 Impacts on the Homeless Population of Tippecanoe County
10/01/2020 - 09/30/2022
Total amount of award: \$25,000
Principal Investigator

13. Indiana Clinical and Translational Sciences Institute
Community Health Partnerships Trailblazer Planning Grant
Indiana Community Health Workforce Development Institute
10/01/2020 - 09/30/2021
Total amount of award: \$5,000
Directly responsible for: Budget was not divided by role
Co-principal Investigator

14. United Way Greater Lafayette
COVID Response Fund
A Community Health Worker Led Approach to COVID-19 Impact Mitigation for the Homeless Population of Tippecanoe County
08/01/2020 - 07/31/2021)
Total amount of award: \$41,312

Principal Investigator

15. Miami Clinical and Translational Science Institute

Training Community Health Workers to Promote Breast Health and Early Detection of Breast Cancer in the South Florida Farmworker Community

11/01/2018 – 10/31/2019

Total amount of award: \$40,000

Principal Investigator

16. Florida Breast Cancer Foundation

Engaging and Educating Community Health Workers to Promote Breast Health and Early Detection of Cancer Among Disadvantaged Spanish Speaking Female Migrant Workers in South Florida

05/01/2018 – 04/30/2019

Total amount of award: \$100,000

Principal Investigator

Intramural:

17. Center for Health Equity and Innovation / Office of Engagement, Purdue University

Forging an academic-community partnership to understand the factors that influence and exacerbate homelessness among families in Tippecanoe County

04/01/2021 - 03/31/2022

Total Amount of Award: \$25,000

Directly responsible for: Budget was not divided by role

Co-principal Investigator

18. Kinley Trust

Understanding the Menstrual Health Needs of People Experiencing Homelessness during the COVID-19 Pandemic in Lafayette, Indiana

05/01/2021 – 05/31/2022

Total Amount of Award: \$20,000

Directly responsible for: Budget was not divided by role

Co-principal Investigator

19. Purdue University College of Health and Human Sciences (HHS)

COVID Rapid Response Grant

Homelessness during COVID-19: Community-based participatory research to inform pandemic responsiveness for marginalized and vulnerable populations

06/01/2020 – 05/30/2021

Total amount of award: \$10,000

Principal Investigator

20. Purdue Institute of Inflammation, Immunology and Infectious Disease / HHS

Advanced Detection Technology Initiative

Implementation of an innovative rapid diagnostic test for HIV in underserved and high-risk populations

04/01/2020 – 03/31/2021

Total amount of award: \$15,000

Directly responsible for: \$15,000

Co-principal Investigator

TECHNOLOGY TRANSFER

U.S. and International Patents

Klapperich, C. M., **Rodriguez, N. M.**, Linnes, J. C. (2021). “Detection Device Having Capture Region and Detection Region,” U.S. Patent No. 11,136,620. Washington, DC: U.S. Patent and Trademark Office.

TEACHING

Courses Taught

PURDUE UNIVERSITY, INSTRUCTOR OF RECORD:

Health, Tech, and Equity (Undergraduate, Enrollment: 18; Spring 2024)
Foundations of Global Health (Graduate, Enrollment: 20; Fall 2021, Fall 2022, Fall 2023)
Engineering Health Equity (Undergraduate, Enrollment: 10; Spring 2023)
Health in the Time of Pandemics (Undergraduate, Enrollment: 50; Fall 2020, Fall 2021)
Community-Engaged Health Disparities Research (Undergraduate Ind Study; Fall 2020, Fall 2021)
Introduction to Global Health (Graduate, Enrollment: 12; Fall 2019, Fall 2020)

UNIVERSITY OF MIAMI, INSTRUCTOR OF RECORD:

Introduction to Global Health and Health Systems (Undergrad/Grad, Enrollment: 75; Spring 2019)

PURDUE UNIVERSITY COURSE GUEST LECTURES:

PUBH 24000: Global Health, Fall 2022
PUBH 10000: Introduction to Public Health, Fall 2022, Spring 2024
BME 49000: Biomedical Engineering Senior Design, Fall 2022
HSCI 201: Principles of Public Health Science (School of Health Sciences), Spring 2020, 2021, 2022
ANTH 10000: Introduction to Anthropology, Fall 2021
BME 59500: Point-of-Care Diagnostics, Fall 2021
TECH 22000: Designing Technology for People, Purdue Polytechnic Institute (Fall 2019, 2020, 2021)
PHRM 49000: Experiences in Public Health (College of Pharmacy), Spring 2021
BME 39000: Professional Development and Design in Biomedical Engineering, Spring 2020
HDFS 59000: Child and Family Health Policy, Spring 2020

PhD Thesis Committees:

Chair/Co-chair:

- Xue (Tracy) Case – Public Health, Purdue University, 2023-present, Chair
- Samantha Robles - Biomedical Engineering, Purdue University, 2023-present, Co-Chair
 - Awarded the Purdue Ross Fellowship and Presidential Doctoral Excellence Award (2023-2027)
- Mrithula Suresh Babu – Public Health, Purdue University, 2022-Present, Chair
 - Awarded the Purdue Ross Fellowship (2022-2026)
 - Mrithula Suresh Babu and Layla Claire were awarded a \$5000 HHS DEI research grant in 2023 for their project, “*Community Assessment of Women’s Cancer Prevention among Hispanic populations in Tippecanoe County*”
- Layla Claire – Public Health, Purdue University, 2021-Present, Chair
 - Awarded the Purdue Doctoral Fellowship (2021-2025)

- Selected for the Purdue BRIDGE Program (Summer 2021)
- Awarded “Most Community-Engaged Research Poster” Award at the 2022 IUSCCC Cancer Research Day.
- Luke Brennan - Biomedical Engineering, Purdue University, 2020-present, Co-Chair
 - Awarded the Leslie Bottorff Fellowship Program (2021)
 - Co-sponsored submission of NIH F30 grant (submitted December 2022)

Committee Member:

- Katherine Buchman, Public Health, Purdue University, 2024-present
- Alfu Laily, Public Health, Purdue University, 2023-present
- Fatimah Lawal, Public Health, Purdue University, 2023-present
- Lucy Tecle, Biomedical Engineering, Purdue University, 2023-present
- Rebecca Martinez, Anthropology, Purdue University, 2022-present
- Sayeh Jalali Dowlatshahi, Biomedical Engineering, Purdue University, 2022-present
- Lauren Christopher, Anthropology, Purdue University, 2022-present
- Navaporn Sritong, Interdisciplinary Biomedical Sciences Program, Purdue University, 2022-present
- Carlyn Kimiecik, Public Health, Purdue University, 2020-present
- Felicia Casanova, Sociology, University of Miami, 2018-2021

MS Thesis Committees:

Chair/Co-chair:

- Rebecca Ziolkowski, Public Health, Purdue University, 2022-Present, Chair

Committee Member:

- Graylin Skates, Anthropology, Purdue University, 2023-present
- Azeez Aina, Pharmacy Practice, Purdue University, 2023-present
- Rebecca Martinez, Anthropology, Purdue University, 2020-2022

Other Graduate Research Mentees:

- Shreya Sridhar, MPH candidate, Public Health, Purdue University, 2022-2023
- Tiwaladeoluwa Adekunle, PhD candidate, Health Communication, Purdue University 2021-2023
 - Awarded a Burroughs Wellcome Fund Trainee Travel Award to present our work at the Association for Clinical and Translational Science 2023 annual meeting
- Mallili Morvans, MPH candidate, Public Health, Purdue University, 2021

MPH Culminating Projects/Practicum:

- Carly Evich, Family and Community Health, Purdue University, 2020-2021
- Henry Ludwig, Family and Community Health, Purdue University, 2019-2020
- Michael Rose, Health Policy, Harvard T. H. Chan School of Public Health, 2018
- Fabiana Rodriguez, Global Health, Harvard T. H. Chan School of Public Health, 2017

Undergraduate Research Assistants:

- Abigail Higgins, Public Health, Purdue University, 2023-present
- Brooke Yorio, Biological Engineering, Purdue University, 2023-present
- Jillian Kelley, Biochemistry, Purdue University, 2023-present
- Francesca Hamacher, Biomedical Engineering, Purdue University, 2022-present
- Sathveka Sembian, Biomedical Engineering, Purdue University, 2022-present
- Ishita Katakai, Medical Laboratory Sciences, Purdue University, 2022-present
- Francesca Kimera, Louis Stokes Alliance for Minority Participation Program, 2021-Present

- Cealia Tolliver, Pharmacy Practice, Purdue University, 2021-Present
- Alyssa Arreola, School of Interdisciplinary Studies, Purdue University, 2022-2023
- Chimdi Offodile, Medical Laboratory Sciences, Purdue University, 2022
- Darya Mansoori, Public Health Internship, Purdue University, 2022
- Maggie Hessler, Public Health Internship, Purdue University, 2022
- Elise Oquendo, Public Health Internship, Purdue University, 2022
- Andres Torres, Purdue-Colombia Partnership, 2021
- Jordan Mick, Public Health Internship, Purdue University, 2021
- Hope Young, Public Health Internship, Purdue University, 2021
- Jessie Zhao, Public Health Internship, Purdue University, 2021
- Anders Hovstadius, Public Health Internship, Purdue University, 2021
- Justin MacNeill, Biomedical Engineering, Purdue University, 2020-2021
- Alexa Lahey, Pharmacy, Purdue University, 2020-2021
- Nina Teo, Pharmacy, Purdue University, 2020-2021
- Doug Satoski, Biomedical Engineering, Purdue University 2020
- Tessa Bauman, Purdue University, 2020
- Gabriela Pages, Public Health, University of Miami, 2017-2019
- Layla Claire, Sociology, University of Miami, 2018-2019
- Marian Pedreira, Public Health, University of Miami, 2018-2019

ENGAGEMENT AND SERVICE

INTERNATIONAL:

- Invited expert for the World Health Organization’s Working for Health Action Plan, 2022-2030 Consultation, held virtually on December 14, 2021. The Action Plan responds to the 74th World Health Assembly resolution WHA 74.14 , ‘Protecting, safeguarding and investing in the health and care workforce’, which calls for a clear set of actions for accelerating investments in health worker education, skills, employment, safeguarding and protection to 2030.

NATIONAL:

National Institutes of Health (NIH) Grant Reviews

- Study Section Member, National Cancer Institute: U01 Cancer Prevention, Detection, Diagnosis, and Treatment Technologies for Global Health, Special Emphasis Panel/Scientific Review Group 2024/05 ZCA1 TCRB-Q (M1) R. February 2, 2024.
- Study Section Member, National Cancer Institute, P20/U54 grant mechanism, Building Collaborative Partnerships and Advancing Cancer Health Equity (2023/08 ZCA1 SRB-2 (A1) S), to be held June 21-22, 2023.
- Study Section Member, National Institutes of Health, Community Partnerships to Advance Science for Society (ComPASS) Community-Led, Health Equity Structural Intervention (CHESI), (2023/05 CFOT (01) 1). April 17-18, 2023.
- Study Section Member, National Cancer Institute: U01 Cancer Prevention, Detection, Diagnosis, and Treatment Technologies for Global Health Special Emphasis Panel/Scientific Review Group, (2023/01 ZCA1 TCRB-D (J1) S). Oct 14, 2022.
- Continuing Umbrella of Research Experiences (CURE) Mentored Mock Review, Grant Reviewer, National Cancer Institute, Center to Reduce Cancer Health Disparities. July 13, 2022.
- Study Section Member, National Institute of Allergy and Infectious Disease (NIAID), Grant Mechanism R61/R33 (PAR-21-070; “Detection of HIV for Self-Testing”). Special Emphasis Panel/Scientific Review Group 2022/10 ZAI1 DNV-A (S1) 1. Jun 30, 2022.

- Study Section Member, National Cancer Institute, Small Business Innovation Research solicitation: SBIR Topic 440 – “Cancer Prevention and Diagnosis Technologies for Low-resource Settings”. Feb 23, 2022.
- Study Section Member, National Institute of Allergy and Infectious Disease (NIAID), Grant Mechanism R61/R33 (PAR-21-070; “Detection of HIV for Self-Testing”). ZAI1 JP-A (S2). June 24, 2021.

Positions on National Professional Associations

- Interdisciplinary Association for Population Health Science (IAPHS) Awards Committee Member (2022-present)
- American Public Health Association, Community Health Worker Section, conference abstract reviewer (2021, 2022)

STATE (INDIANA):

- Indiana Clinical and Translational Science Institute (CTSI) Taskforce on Equity, Diversity, Inclusion and Justice, member (2021)
- Indiana Cancer Consortium, Indiana Cancer Plan Early Detection Committee Member (2022-2023)

PURDUE:

Purdue University Latino Faculty and Staff Association - Professional Development Chair (2021-Present)
 Department of Public Health, Association of Schools and Programs of Public Health (ASPPH) DEI Representative (2023-Present)
 Department of Public Health, Diversity and Inclusion Committee member (2020-Present)
 Department of Public Health, Senior Faculty Search Committee member (2022-2023)
 Department of Public Health, Graduate Committee member (2019-2022)
 Department of Public Health, Health Equity Cluster Faculty Search Committee member (2021-2022)
 Department of Public Health, Head Search Committee member (2020-2021)
 Department of Public Health, Undergraduate Committee member (2019-2020)
 Department of Public Health, Seminar Series organizer (2019-2020)

JOURNAL EDITORIAL BOARDS:

- Plos Global Public Health (2022-present)

AD HOC JOURNAL REVIEWS:

- American Journal of Public Health
- Bulletin of the World Health Organization
- The Lancet Regional Health – Americas
- The Lancet Regional Health – Europe
- The Lancet Regional Health – Western Pacific
- American Journal of Preventive Medicine
- Preventive Medicine
- Qualitative Health Research
- BMC Public Health
- Preventing Chronic Disease
- Progress in Community Health Partnerships: Research, Education, and Action
- International Journal of Environmental Research and Public Health
- International Journal of Human - Computer Studies

- International Journal of Community Well-Being
- Lab on a Chip
- Biosensors
- Revista Universidad y Salud (Colombia)
- Journal of Purdue Undergraduate Research

COMMUNITY ORGANIZATION BOARD POSITIONS:

- LTHC Homeless Services, Board Member, 2021-2023
- Indiana Community Health Workers Association (INCHWA), Board Member, 2021-Present
- Tippecanoe County Board of Health, Board Member, 2023-Present

MEDIA EXPOSURE

“Demostramos que la mujer puede liderar cualquier campo.” Mujer e igualdad. El Heraldillo. Barranquilla, Colombia. November 13, 2023. <https://www.elheraldo.co/mujer-e-igualdad/natalia-rodriguez-ganadora-del-premio-al-nuevo-innovador-demostramos-que-la-mujer>

NIH to award over \$187 million for exceptionally creative biomedical and behavioral research projects. National Institutes of Health Press Releases. October 3, 2023. <https://commonfund.nih.gov/press-release/nih-award-over-187-million-exceptionally-creative-biomedical-and-behavioral-research>

Purdue Public Health Researcher Receives NIH Director’s New Innovator Award. Purdue College of Health and Human Sciences News. October 3, 2023. <https://www.purdue.edu/hhs/news/2023/10/purdue-public-health-researcher-receives-nih-directors-new-innovator-award/>

Medicaid health plan community health workers have positive impact on care. Science Daily. April 1, 2022. <https://www.sciencedaily.com/releases/2022/04/220401122149.htm>

Engaging communities to advance healthcare through human-centered design. Purdue Engineering Review. June 17, 2021. <https://medium.com/purdue-engineering/engaging-communities-to-advance-healthcare-through-human-centered-design-f204b5e6c88e>

Health experts say people who desperately wanted to get vaccinated already have. WBAA. April 26, 2021. <https://www.wbaa.org/post/health-experts-say-people-who-desperately-wanted-get-vaccinated-already-have#stream/0>

Purdue Public Health study focuses on COVID-19’s effect on area homeless. Purdue College of Health and Human Sciences News. April 16, 2021. <https://www.purdue.edu/hhs/news/2021/04/purdue-public-health-study-focuses-on-covid-19s-effect-on-area-homeless/>

40 ideas: Significantly expand community health workers in central Indiana. Indiana Business Journal. January 12, 2021. <https://www.ibj.com/articles/40th-ideas-significantly-expand-community-health-workers-in-central-indiana>

LANGUAGES

English (native proficiency); Spanish (native proficiency)
 French (limited working proficiency)