

Curriculum Vitae

Experiencia Laboral

- 06/2021-05/2026 Investigador Local Principal en proyecto de investigación “Combustión de desechos plásticos y efectos en la salud humana en zonas rurales de Guatemala, ECOLECTIVOS”, The Rolling School of Public Health, University of Emory/Centro de Estudios en Salud (CES), Universidad del Valle de Guatemala (UVG)
- 07/2025-12/2025 Investigador Principal en proyecto de investigación “Implementación de la herramienta ZooCAB (Zoonotic Connectivity Accross Borders)”, Centers for Disease Control and Prevention (CDC), Task Force, y Centro de Estudios en Salud (CES), Universidad del Valle de Guatemala (UVG)
- 03/2019-06/2020 Co-investigadora en tecnologías y combustibles de cocina “limpios”, The Rolling School of Public Health, University of Emory- Centro de Estudios en Salud (CES) /Universidad del Valle de Guatemala (UVG)
Proyecto de investigación: “Estimación de la exposición de niñas adolescentes a la quema de plástico en hogares rurales que participan en el ensayo de intervención de estufas de gas HAPIN en Jalapa, Guatemala”
- 08/2019-11/2019 Asistente de investigación, Indigenous Community-Based Health Research Lab: Morning Star Lodge, Regina, Saskatchewan, Regina, Saskatchewan
Proyectos de investigación: " CABHI: Testing Locally Developed Language Apps to Reduce Caregiver Stress and Promote Aging in Place as it Relates to Indigenous Population" & “Indigenous Women and Water Governance in Canada: An Examination of Traditional Roles and Current Policy”
- 09/2018-a la fecha Apoyo en actividades de docencia y tutoría, Universidad del Valle de Guatemala (UVG), Guatemala
- 05/2017-05/2022 Consultora externa sobre tecnologías y combustibles de cocina “limpios”, The Rolling School of Public Health, Universidad de Emory/Centro de Estudios en Salud (CES), Universidad del Valle de Guatemala (UVG)
Proyecto de Investigación: "Household Air Pollution Investigation Network (HAPIN)"
- 08/2015-10/2016 Co-investigadora en tecnologías y combustibles de cocina “limpios”, Universidad de California, San Francisco, Escuela de Enfermería; Departamento de Salud de la Familia/Centro de Estudios en Salud (CES), Universidad del Valle de Guatemala (UVG)
Proyecto de investigación: "Evaluando el modelo Gente Gas: ¿Un programa de mercadeo social de mujeres emprendedoras entrega estufas de gas licuado de petróleo a los pobres en Guatemala?" Traduciendo la Investigación en Acción (TRAction) y la Alianza Global para Estufas Limpias (GAC)
- 06/2014-02/2015 Asistente de investigación en tecnologías y combustibles de cocina “limpios”, Berkeley Air Monitoring Group, Honduras/EE.UU
Proyecto de investigación: “Desempeño e Impactos en Campo del Envirofit HM 5000 en Honduras”

- 06/2013-08/2013 Consultora externa en el campo de las Enfermedades Tropicales, Centro de Estudios en Salud (CES), Universidad del Valle de Guatemala (UVG)/Organización Mundial de la Salud (OMS), Guatemala
Proyecto de investigación: "Redes Innovadoras de Intervención para el Control de Vectores del Dengue" (II)
- 09/2011-11/2011 Consultora externa sobre tecnologías y combustibles de cocina "limpios", Escuela de Salud Pública de Ciencias de la Salud Ambiental, Berkeley/Centro de Estudios en Salud (CES)/Universidad del Valle de Guatemala (UVG), Guatemala/EE.UU.
Proyecto de investigación: "Impactos ambientales, sociales y económicos del uso de Turbococinas®"
- 12/2010-04/2011 Consultora externa en el campo de las Enfermedades Tropicales, Centro de Estudios en Salud (CES), Universidad del Valle de Guatemala (UVG)/Organización Mundial de la Salud (OMS), Guatemala
Proyecto de Investigación: "Redes Innovadoras de Intervención para el Control de Vectores del Dengue" (I)
- 02/2009-08/2010 Asistente de Investigación, Department of Public Health School of Population, Community and Behavioral Sciences, Guatemala/UK
Proyecto de investigación: "ACCES" en Guatemala

Educación

- 09/2019-12/2019 **Post-Doctoral Research fellowship**, *School of Public Health, University of Saskatchewan, Canada*
- 10/2010-11/2016 **Doctorate**, *Instituto de Antropología Social y Cultural, Freie Universität (FU), Berlín*
Certificado: Dr. phil. (1,0 magna cum laude)
Área de especialización: Médico-antropología
Título de la tesis: "Una Interacción Integral entre Enfermedad y Cultura: Reconocimiento y Tratamiento del Mal de Ojo en la zona rural de San Marcos, Guatemala"
- 10/2006-01/2009 **Master "Interdisciplinary Latin American Studies"**, *Latin America Institute (LAI), Freie Universität (FU), Berlin*
Certificado: Master of Arts
Área de especialización: Relaciones de género, formas de vida, transformaciones
Título de la tesis: "Leyes discriminatorias contra grupos LGBT en Costa Rica"
- 01/1997-11/2002 **Licenciatura**, Universidad de San Carlos de Guatemala (USAC), Guatemala
Certificado: Licenciatura
Área de especialización: Antropología cultural
Título de la tesis: "Descripción de los patrones de búsqueda y continuidad del tratamiento médico tradicional y convencional para la leishmaniasis cutánea en Poptún, El Petén, Guatemala"

Algunas cualificaciones adicionales

11/2025	Presentaciones con Impacto Tecnológico de Monterrey, Coursera
05/2025	Habilidades de pensamiento y solución de problemas Tecnológico de Monterrey, Coursera
2024/2025	Writing Workshops University of Georgia, UGA
11/2024	Negociación y Resolución de Conflictos Universidad de Palermo, Coursera
07/2022	Introduction to Clinical Research The Global Health Network
07/2022	Introduction to Informed Consent The Global Health Network
11/2019	Research Writing in the Sciences INASP/AUTHORAID
10/2019	Ethics and Integrity in Human Research University of Saskatchewan
06/2019	Human Research Ethics Online Training Module for the Social Sciences and Humanities Macquarie University
07/2016	Social and Behavioral Responsible Conduct of Research Course University of California, San Francisco
07/2015	Human Subjects Protecting Training University of California, San Francisco
02/2015	Intercultural counseling: Qualification in “Inclusive Resilience Conversation” Social Education Institute Berlin-Brandenburg
06/2011	Disseminator training Diakonisches Werk Berlin-Brandenburg-schlesische Oberlausitz

Congresos/Presentaciones

2024	Science Gallery Atlanta, <i>Resilient Earth</i> exhibition, Atlanta
2023	CUGH Satellite Session Implementation Science for Climate Adaptation in LMICs Planetary Health and the Humanities.
2022	Planetary Health and the Humanities: “ <i>Dumped: Impacts of Plastic Pollution Among Rural Indigenous Communities in Santa María Xalapán, Jalapa Guatemala</i> ”, Texas A&M University

- 2019 Seeking Sustainable Solutions in Food Security and Nutrition for Women and Children: A Tri-Country Approach: *"Illness as a health-care tool and space of resilience: The role of Evil Eye"*
Saskatoon, Canada
- 2016 LPG: The Catalyst of Social Change: *"Rethinking models of evaluation and intervention of LPG use: challenges of programmes designs"*
Bhubaneshwar, India
- 2014 5th Annual MAYS Meeting "Peer-To-Peer-Aid"
Medical Anthropology Young Scholars
Paris, France
- 2012 15th Anniversary Conference of the Work Group Medical Anthropology of the German Anthropological Association e.V.: *"Questioning and challenging the differences: A fieldwork experience in rural Guatemala"*
Wien, Austria
- 2009 Medical Anthropology at the Intersections: Celebrating 50 years of Interdisciplinary. Poster Session: *"Decision Making Regarding Care Seeking for Sick Children among Poor Rural Women in San Marcos Guatemala: The Role of "Mal de Ojo"*
New York, USA

Algunas Publicaciones

Plastic is Everywhere: A Pilot Study of a Behavioral Intervention to Promote Solid Waste Management among Indigenous Xinca Communities in Rural Jalapa, Guatemala. **Hengstermann M**, Thompson L, Díaz-Artiga A. Global Sustainability, 2026 (in review)

A village-level cluster randomized controlled implementation trial to measure the effectiveness of a behavioral intervention aiming to reduce women's exposures to household plastic waste burning in rural Guatemala: study protocol for the Ecolectivos trial. Thompson LM, Lovvorn A, Raheel H, **Hengstermann M**, et al. (2026). Trials <https://doi.org/10.1186/s13063-025-09338-z>

Development of personal air pollution exposure report-back materials to Household Air Pollution Intervention Network (HAPIN) trial participants in Guatemala and Rwanda: a qualitative study. Quinn A, **Hengstermann M**, (co-first authors), Díaz-Artiga A, et al. BMJ Glob Health. 2025;10(5): e017672. doi:10.1136/bmjgh-2024-017672

PRECIS-2 used as an implementation science tool for global environmental health: A cross-sectional evaluation of the Ecolectivos study protocol to reduce burning of household plastic waste in rural Guatemala. Thompson LM, Ferguson A, Raheel H, Lovvorn AE, **Hengstermann M.**, Lopez M R, Higgins M., Saikawa E, Handley MA (2024). PloS one, 19(12), e0316161. <https://doi.org/10.1371/journal.pone.0316161>

Voices from the Field: Studying a Plastic Waste Crisis Through an Anthropological Lens. **Hengstermann, M**, In: National Institute of Environmental Health Science (NIH) December 2022

Plastic waste generation and emissions from the domestic open burning of plastic waste in Guatemala. Bardales Cruz M, Saikawa E, **Hengstermann M**, Ramírez A, McCracken J, Thompson Lisa. Environ. Sci.: Atmos., 2023 (3), 156-167 DOI:10.1039/d2e00082b

Health Literacy and Information Fatigue. Understanding People's Beliefs and Behaviours as They Negotiate COVID-19 in Germany. In: Negotiating the Pandemic. Cultural, National, and Individual Constructions of Covid-19. **Hengstermann M**, In: Ali I. Davis-Floy R (Eds.), Routledge, 2022, 1st Edition, Chapter 6, London. <https://doi.org/10.4324/9781003187462>

Newcomer challenges with accessing healthcare services in Saskatchewan, Canada. Lane G, **Hengstermann M**, White, J. and Vatanparast, H. *Border Crossing*. London, UK, 2021, 11(2), pp. 155–172. DOI: 10.33182/bc.v11i2.1222.

Developing Visual Messages to Support Liquefied Petroleum Gas Use in Intervention Homes in the Household Air Pollution Intervention Network (HAPIN) Trial in Rural Guatemala. **Hengstermann M**, Díaz Artiga A, Oztóy-Sucúc R, Ruiz-Aguilar A, Thompson L, Aravindalochanan V, Balakrishnan K, Barr D, Burrowes V, Campbell Devan, Campbell J, Canuz E, Castañaza A, Chang H, Checkley W, Chen Yunyun, Chiang, M Clark, Maggie & Clasen, Thomas & Young, Bonnie. *Health Education & Behavior*. 2021 (48) DOI: 109019812199628. 10.1177/1090198121996280.

Designing a comprehensive behaviour change intervention to promote and monitor exclusive use of liquefied petroleum gas stoves for the Household Air Pollution Intervention Network (HAPIN) trial. Williams K, Thompson LM, Sakas Z, **Hengstermann M**, Quinn A, Díaz-Artiga A, Thangavel G, Puzzolo E, Rosa G, Balakrishnan K, Peel J, Checkley W, Clasen TF, Miranda JJ, Rosenthal JP, Harvey SA; Household Air Pollution Intervention Network (HAPIN) trial Investigators; HAPIN Investigators. *BMJ Open*. 2020 Sep 29;10(9):e037761. DOI: 10.1136/bmjopen-2020-037761. PMID: 32994243; PMCID: PMC7526279.

Implementation of a comprehensive behavior change framework to ensure adoption and exclusive use of LPG stoves during the HAPIN trial. Williams K, Thompson LM (co-first), Sakas Z, **Hengstermann M**, Diaz-Artiga A, Gurusamy T, Quinn A, Puzzolo E, Rosa G, Balakrishnan K, Rosenthal J, Miranda J, Clasen T, Harvey S and HAPIN investigators. *BMJ Open*. 2020 Sep;10(9):e037761. DOI: 10.1136/bmjopen-2020-037761.

'What is anthropology good for?' Anthropologists working in public health interstices. **Hengstermann M**, *Social Anthropology*, European Association of Social Anthropologists, Volume 28, Issue 2, May 2020 DOI: 10.1111/1469-8676.12804

The Dunning-Kruger effect of COVID-19. Hengstermann M, *Collecting COVID- 19. A crowd-sourced digital ethnography of COVID-19 Pandemic*, April 24, 2020

Adoption of Liquefied Petroleum Gas Stoves in Guatemala: A Mixed-Methods Study. Thompson LM, **Hengstermann M** (co-first authors), Weinstein JR, Díaz-Artiga A. *Ecohealth* 2018 Dec; 15(4): 745-756