Sara C. Sequeira, DVM/MSc

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EDUCATION

Aug 2022–Present	**PhD, Veterinary Preventive Medicine** The Ohio State University, Columbus, Ohio, US
Sep 2015–May 2022	**Doctor of Veterinary Medicine (DVM-MSc)** | Universidade de Lisboa, Lisboa, PT (thesis)

RESEARCH EXPERIENCE

Peer-reviewed publications:

1. **Sequeira SC**, Arevalo-Mayorga A, Locke SR, Habing G, Arruda AG. 2025. *Navigating complexity: Salmonella Dublin risks factors in a Midwestern U.S. calf movement system.* Journal of Dairy Science. In review following 2nd revision.

2. **Sequeira SC**, Paleja H, Koringa P, Golaviya A, Panchal KJ, Chapot L, Tomley F, Blake D, Pfeiffer D, Fournie G, Conan A. 2025. *A risk-based framework for Live Bird Shops (LBSs) in Gujarat, India: Identifying pathogen entry and exposure risk profiles.* Preventive Veterinary Medicine. In review following 2nd revision.

3. Locke SR, Wilson DJ, Arevalo A, **Sequeira SC**, Pempek J, Arruda AG, Habing G. 2025. *Understanding challenges and strengths in the post-dairy farm surplus calf value chain: an interview study*. Journal of Dairy Science. Accepted (waiting for publication)

4. **Sequeira SC**, Sebunia N, Page JR, Lasisi T, Habing G, Arruda AG. 2025. *A systematic scoping review and thematic analysis: How can livestock and poultry movement networks inform disease surveillance and control at the global scale?* PLoS One. DOI: 10.1371/journal.pone.0328518.

5. Phillips K, **Sequeira SC**, G. Habing, Arruda AG. 2025. *Characterizing state-level patterns of interstate certificates of veterinary inspection exceptions across the United States*. Preventive Veterinary Medicine. DOI: 10.1016/j.prevetmed.2025.106593.

6. **Sequeira SC**, Locke SR, Habing G, Arruda AG. 2025. *Combining different sources of movement data to strengthen traceability and disease surveillance*. Preventive Veterinary Medicine. DOI: 10.1016/j.prevetmed.2025.106442.

Selected conference presentations:

1. Philips K, **Sequeira SC**, Habing G, Arruda AG. *ICVI Exceptions in U.S. States: A Risk to Cattle Disease Traceability and Movement Networks*. The Conference of Research Workers in Animal Diseases (CRAWD). Chicago, Illinois, US. January 18-21, 2025.

2. **Sequeira SC**, Habing G, Arruda, AG. *How Does Missing Movement Data Impact Disease Spread?* Ohio Dairy Veterinarians Conference. Columbus, Ohio, US. January 9-10, 2025.

3. **Sequeira SC**, Sebunia N, Page J, Habing G, Arruda, AG. *A scoping review: How can animal movement networks inform disease surveillance and control?* 17th International Symposium of Veterinary Epidemiology and Economics (ISVEE). Sydney, AUS. November 11-15, 2024.

4. **Sequeira S**, Habing G, Arruda, AG. *What is the impact of incomplete contact networks in understanding disease transmission dynamics?* 17th International Symposium of Veterinary Epidemiology and Economics (ISVEE). Sydney, AUS. November 11-15, 2024.

5. **Sequeira SC**, Habing G, Arruda, AG. *Combining multiple sources of movement data strengthens traceability and disease surveillance.* The Conference of Research Workers in Animal Diseases (CRAWD). Chicago, Illinois, US. January 20-23, 2024.

Selected posters:

1. Locke SR, Arevalo A, **Sequeira SC**, Wilson DJ., Arruda AG., Pempek J., Habing G. *Understanding strengths and challenges in the surplus calf industry*. The Conference of Research Workers in Animal Diseases (CRAWD). Chicago, Illinois, US. January 18-21, 2025.

2. **Sequeira SC**, Paleja H, Koringa P, Golaviya A, Panchal K J, Chapot L, Tomley F, Blake D, Pfeiffer D, Fournie G, Conan A. *Characterizing Live Bird Shops' profiles in Gujarat, India: Key players or silent partners in disease transmission?* 17th International Symposium of Veterinary Epidemiology and Economics (ISVEE). Sydney, AUS. November 11-15, 2024.

3. **Sequeira SC**, Habing G, Arruda, AG. *What is the impact of incomplete animal movement networks in understanding disease transmission dynamics?* CVM Research Day at The Ohio State University. Columbus, Ohio, US. April 4, 2024.

4. Arevalo-Mayorga A, Locke S, **Sequeira SC**, Middleton G, Kopkey J, Habing G. *Improving detection of MDR Salmonella Dublin in cattle environments*. CVM Research Day at The Ohio State University. Columbus, Ohio, US. April 4, 2024.

5. **Sequeira SC**, Habing G, Arruda, AG. *Description of calf production systems and network patterns to improve disease surveillance*. CVM Research Day at The Ohio State University. Columbus, Ohio, US. April 6, 2023.

6. **Sequeira SC**, Paleja H, Koringa P, One Health Poultry Hub Consortium U, Tomley F, Pfeiffer D, Fournie G, Conan A. *Investigating poultry trade patterns to improve disease surveillance: A cross-sectional study in Gujarat.* 16th International Symposium of Veterinary Epidemiology and Economics (ISVEE). Halifax, Nova Scotia, CA. August 7-12, 2022.

Grants & Awards:

1. Awarded **grant as Co-Investigator (Sequeira SC)**– "Market matters - Market Matters: A Comprehensive Survey and Outreach-Based Roadmap for Enhancing Biosecurity in Livestock Markets. Funded by the 2025 Spending Plan of the National Animal Disease Preparedness and Response Program (NADPRP) - USDA. USD $422,462.

2. Awarded **3rd Place for best oral presentation at the Edward F. Hayes Advanced Research Forum 2025**, The Ohio State University, Ohio, US

3. Awarded with the **IDI-EEPH Trainee Travel Award 2024**, Infectious Disease Institute, The Ohio State University, Ohio, US

4. Selected **finalist of the Three Minute Thesis (3MT®) Competition**, held at CRAWD 2024, Chicago, Illinois, US

PROFESSIONAL APPOINTMENTS

Aug 2022 — Present	**Graduate Research Associate** Dept. Veterinary Preventive Medicine, The Ohio State University Columbus, Ohio, US
Jan 2021 — Sep 2021	**Research Assistant** Centre for Applied One Health Research and Policy, City University of Hong Kong Hong Kong SAR, CN
Sep 2020 — Dec 2021	**Epidemiology Intern** Faculdade de Medicina Veterinária, Universidade de Lisboa Lisbon, PT

Teaching:

2025 — Aug 2026	**Teaching Assistant | Healthy Populations 1A** College of Veterinary Medicine, The Ohio State University Columbus, Ohio, US

Leadership Involvement:

Aug 2025 — Aug 2026	**CGS Delegate | College of Veterinary Medicine representative** Council of Graduate Studies, The Ohio State University Columbus, Ohio, US
Sep 2024 — Present	**Student Board Member** The Association for Veterinary Epidemiology and Preventive Medicine Remote, US
Aug 2023 – Dec 2023	**Group Leader in the Epidemiology Modified Journal-Book Club** The Association for Veterinary Epidemiology and Preventive Medicine Dept. Veterinary Preventive Medicine, The Ohio State University

PROFESSIONAL DEVELOPMENT

2025
- *Leadership Foundations: Understanding Self and Team Dynamics.* In-person workshop (8 contact hours). The Ohio State University, Ohio, US
- *Agent Based & Hybrid Modeling Bootcamp & Incubator for Health & Health Care.* Remote workshop (1 week). University of Saskatchewan, CA (2025)

2024
- *Introduction to Practical Disease Modelling.* In-person workshop (4 days). University of Technology, Sydney, AU
- *Graduate Teaching Toolkit: Beginning Steps of Course Design.* In-person workshop. (1 day). The Ohio State University, US

2023
- *Modelling Food Safety and Animal Health Risks Using R.* Remote workshop (2 weeks). EpiX Analytics, US (2023)

SKILLS	**Typewriting and computers literate:**	MS Office (Word, Power Point), Zotero, Mendeley
	Data collection and management:	MS Office (Excel, Access), MySQL, Open Data Kit
	Statistical Analysis Software:	R Software, Stata, Microsoft Excel, NVIVO
	Geographic Information System Software:	R software, ArcGIS, QGIS, Gephi

LANGUAGES	**English** - Fluent (Advanced)	**Portuguese** - Native

HOBBIES	Travel, Photography, Sports (handball player for 10 years), Hiking, Nature (especially, the ocean);