



Who's Who in One Health



www.mriglobal.org

1. Organization Name

MRIGlobal

2. Narrative Description

MRIGlobal (formerly Midwest Research Institute) performs capability/capacity building research, training, and science management funded by US Government and others. Our One Health work includes laboratory biosafety and biosecurity, diagnostics, and quality management systems for those working in animal and human health sectors. MRIGlobal also participates in additional unfunded One Health activity: mentoring and presenting/publishing relevant work.

3. Purpose

MRIGlobal offers life sciences, biosafety and biosecurity, engineering services; and laboratory capabilities that enhance health security worldwide. Our work integrates expertise in laboratory operations, infectious disease diagnostics and surveillance, research and development, test & evaluation, partnerships, and training. MRIGlobal is a 501(c)(3) not-for-profit organization since 1944. Our organization has 400 employees and high-biocontainment facilities in Gaithersburg, Maryland, and at its headquarters in Kansas City, Missouri.

4. Type of Organization

- MRIGlobal is a private, non-profit organization since 1944.

5. Scope

See narrative description

6. Country and State and City

MRIGlobal
65 West Watkins Mill Rd
Gaithersburg, MD 20878 USA

7. Primary Funders

DTRA BTRP; DOS BEP, Foundation for Innovative Diagnostics (FIND), NIH.

8. One Health Courses being taught

N/A, see below item 10.

9. Other One Health Activities/Initiatives

N/A, see below item 10.

10. One Health Certificate or Training Programs

N/A, see below item 10

11. Organization Website

www.mriglobal.org

12. Participants and Key Collaborators

MRIGlobal participants include Jane Alam, Sharon Altmann, Lolly Gardiner, Alex Hamill, Brendan Karlstrand, Mar Mar, Julia Michelotti, Jean Ndjomou, Gene Olinger, Lance Presser, Scott Shearrer, Nadia Wauquier, Kenny Yeh.

Key collaborators include American Society of Microbiology, CAMRIS, Jacobs, Penn State University, Raytheon, University of North Carolina, and many other academic universities, small businesses, and non-profit organizations.

13. Brief History of Your Organization's One Health Involvement

Since 2002, MRIGlobal has been involved in biodefense, biological threat reduction, and global health security related work which emphasize the animal-human-environmental interactions and connections underscored by the One Health approach. Our work performing projects related to One Health include capability/capacity building training for biosafety and biosecurity, clinical diagnostics, quality management systems, and managing scientific research projects that reinforce animal and human health institutions especially in low-middle income countries. This work is also reflected in several peer-reviewed publications, conference presentations, leadership in GHSA consortium and related professional societies, and related mentorships (e.g. GHSA-NGS, ISOHA).

14. Additional Information

Contact information: if you have additional questions, interest in learning more or collaborating MRIGlobal, please contact Kenny Yeh (kyeh@mriglobal.org; 2022154454).

Recent publications

Michelotti JM, Yeh KB, Beckham TR, Colby MM, Dasgupta D, Zuelke KA, Olinger GG. (2018). The Convergence of High-Consequence Livestock and Human Pathogen Research and Development: A Paradox of Zoonotic Disease. *Trop Med Infect Dis* 3, 55. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6073383/pdf/tropicalmed-03-00055.pdf>

Olinger GG, Yeh KB. (2018). Avian Influenza Is a Catalyst for Economic and Political Destabilization in Iran. *Health Security*, 16(2):143. <https://www.liebertpub.com/doi/10.1089/hs.2018.0016>

Yeh KB, Monagin C, Fletcher J. (2017). Promoting Scientific Transparency to Facilitate the Safe and Open International Exchange of Biological Materials and Electronic Data. *Trop Med Infect Dis*, 2, 57. <https://www.mdpi.com/2414-6366/2/4/57>

Recent conference presentations

Ndjomou, J., Wauquier, N., Shearrer, S., Alam, J., Asbun, C., Karlstrand, B., Mar, M., Presser, L., Altmann, S., 2019. Integration of Human and Veterinary Diagnostic Laboratory Personnel Capacity Building Efforts in Guinea and Senegal, in: USDA ARS 5th International Biosafety & Biocontainment Symposium: Biorisk and Facility Challenges in Agriculture. Baltimore, MD.

Wauquier, N., Shearrer, S., Karlstrand, B., Mar, M., Michelotti, J., Altmann, S., 2019. Enhancing incident and emergency response planning capacity at the Laboratoire National de l'Élevage et de Recherches Vétérinaires, Senegal, in: USDA ARS 5th International Biosafety & Biocontainment Symposium: Biorisk and Facility Challenges in Agriculture. Baltimore, MD.

Alam, J., Wauquier, N., Shearrer, S., Asbun, C., Gardiner, L., Karlstrand, B., Mar, M., Presser, L., Altmann, S., 2019. Capacity Building Efforts in Senegal: Value of Unifying Human and Veterinary Diagnostic Laboratory Personnel, in: 1st Global Health Security Conference. Sydney, Australia.

Alam, J., Asbun, C., Gardiner, L., Karlstrand, B., Mar, M., Ndjomou, J., Presser, L., Wauquier, N., Shearrer, S., Altmann, S., 2019. Achieving a Foundational Culture of Quality & Safety at National-level Laboratories in Senegal, Guinea and Liberia., in: 1st Global Health Security Conference. Sydney, Australia.

Mentorships:

Biosafety officer mentorship and safety program support, including assisting with the development of key plans, policies, and procedures, for the National Livestock and Veterinary Research Laboratory in Dakar, Senegal. Successfully mentored students through 2018-2019 ISOHA pilot and 2017-2018 NextGenGHS programs.