

Dr. Jeffrey C. Mariner is a veterinary epidemiologist with Cummings School of Veterinary Medicine at Tufts University with 27 years experience working on infectious disease control in the developing world. He developed a thermostable rinderpest vaccine that was subsequently adopted by the Global Rinderpest Eradication Program (GREP) as the vaccine of choice in the eradication of rinderpest. As part of the field implementation of control programs, Dr. Mariner championed community-based approaches to vaccination and participatory approaches disease surveillance that addressed key constraints to disease control in remote and often politically unstable areas of the world. The integration of thermostable vaccine biotechnology and innovation in animal health institutions were key contributions to the completion of the eradication of rinderpest in 2011, only the second disease to be globally eradicated.

Dr. Mariner currently coordinates the Participatory Epidemiology Network for Animal and Public Health (www.penaph.net) and conducts research on One Health topics and disease impact as well as action research on appropriate surveillance and control measures for Peste des Petits Ruminants (PPR), a virus closely related to rinderpest that causes small ruminant plague. Dr. Mariner is the principle investigator on work leading to the development of a practical thermostable PPR vaccine through application of the technologies that resulted in the thermostable RP vaccine used in the global eradication of RP. Dr. Mariner has been very active in strategy formulation, analysis and advocacy for global PPR eradication, an initiative that has just been launched by the international agencies concerned with animal health.