



# Plum Island Animal Disease Center Bibliography

Collection of Published Articles, 1954–2024



Science and  
Technology

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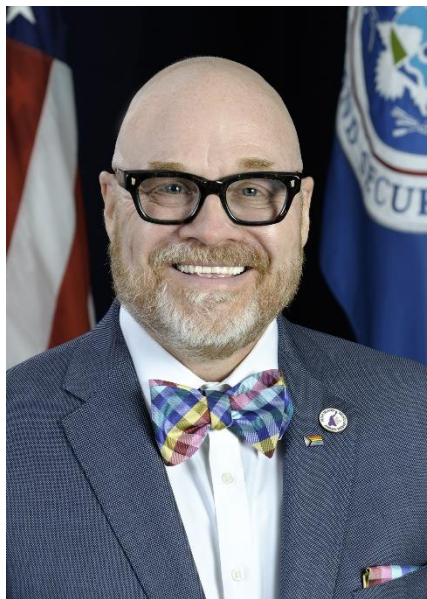
## Letter from the Director

Established by the Department of Agriculture (USDA) in 1954 and operating as a partnership with the Department of Homeland Security (DHS) since 2003, the Plum Island Animal Disease Center (PIADC) has worked for nearly 70 years to protect U.S. agriculture and livestock from transboundary animal diseases. These diseases pose significant threats to food and agriculture security, trade, and the economy. To combat these threats, PIADC scientists from the DHS Science and Technology Directorate (S&T), USDA Agricultural Research Service (ARS), and USDA Animal and Plant Health Inspection Service (APHIS) research detection technologies, diagnostics, therapeutics, and decontamination technologies, so that the Nation is prepared to respond to, control, and recover from an outbreak.

The research conducted by PIADC scientists is open, transparent, and accessible to the scientific community at-large through articles published in peer-reviewed scientific journals. This body of work has directly contributed to scientific breakthroughs, including the characterization, and contributions to the elimination, of Rinderpest—one of only two diseases eradicated by humankind—and the development of two functional vaccines to combat foot-and-mouth disease.

This bibliography represents a comprehensive list of articles written and contributed to by PIADC scientists and published in national and international scientific journals between 1954 and 2024. Where available, each citation includes the digital object identifier (DOI) and a hyperlink to the article. DOIs and hyperlinks may not be available for older articles. To obtain articles where there is no DOI or hyperlink, email [SandTNatLabs@hq.dhs.gov](mailto:SandTNatLabs@hq.dhs.gov).

As the laboratory marks its 70th year, we find ourselves looking toward the transition of our scientific mission to the National Bio and Agro-Defense Facility and the eventual closure of PIADC. I cannot overstate how much it means to me, and to all those who contributed to PIADC's mission over the years, to have been a part of this unique facility where our colleagues are like family, where everyone contributes to the success of the mission, and where our research has contributed to the safety and security of our Nation's agriculture. It is my hope that this bibliography will document PIADC's scientific legacy, while also providing a blueprint for the scientific community to achieve further advances.



**Tod Companion, PhD**  
**Director, Plum Island Animal Disease Center**

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