



DEADLINE FOR SUBMISSION: Tuesday, August 11, 2020, 5:00 pm CST

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The National Pork Board's Request for Proposals for Foreign Animal Disease Surveillance 2020 is now available online [here](#). The Board is soliciting research proposals dealing with the following areas within Animal Well-Being:

SWINE HEALTH AND PRODUCTION- FOREIGN ANIMAL DISEASE SURVEILLANCE

The National Pork Board's (NPB) Surveillance Working Group is requesting proposals addressing foot and mouth disease (FMD), African swine fever (ASF), classical swine fever (CSF), or swine vesicular disease diagnostic tests or sample types. Specific research areas of interest are listed below. All proposals submitted must address the specific research topic of interest described below.

Research Objective: Develop validated diagnostic tests and sample types that can be used for surveillance and investigation testing for African swine fever, foot and mouth disease, classical swine fever, and swine vesicular diseases.

1. Investigate new/novel surveillance ante mortem sampling types as individual or pooled sampling strategies. (Examples might include but are not limited to rectal swabs, oral swabs, nasal swabs or oropharyngeal swabs, etc.) Does not include oral fluids.
2. Investigate new/novel surveillance postmortem sampling types as individual or pooled sampling strategies. Priority should be given to samples that can be collected without the need for a full necropsy. (Examples might include but are not limited to muscle swabs, etc.)
3. Evaluate the use of processing fluids* as a possible diagnostic sample for detection of infection from a less virulent ASF strain. Project must include the comparison of viral load in processing fluids to the viral load of the tissue or blood in the animals sampled.
4. Fit for purpose validation of classical swine fever antibody detection tests with increased diagnostic sensitivity and specificity that complement DIVA capable vaccines.
5. Comparison of diagnostic sensitivity and specificity over time post inoculation of commercially available PCR diagnostic kits (FMD or CSF) to the standardized protocols

approved for use in the National Animal Health Laboratory Network for FAD diagnostics using oral fluid specimens.

6. Investigate new/novel surveillance sampling types for ASF or CSF that can be collected from pigs/carcasses at slaughter (examples might include but are not limited to muscle swabs, pooled blood, meat juice etc.)

*Processing fluids are defined as the serosanguinous fluid recovered from piglet castration and tail docking.

The NPB Surveillance Working Group has \$600,000 to fund foreign animal disease research. There is no exact funding limit for submitted proposals, but the budget request should be appropriate and justified for the work that is being proposed. Researchers are encouraged to find matching funds or in-kind contributions to the project. Proposals should provide a clear overall vision and objectives for the entire project with a detailed plan of work and budget outline. Contracts will start 12/1/2020 and the deadline for research completion and submission of results to NPB is no later than 12/1/2021.

Principal Investigators (PIs) must follow all instructions according to the Instructions and Format document and submit research proposal in the required format through the Application Website in order to be considered. A link to this document containing this information and the Application Website can be found at pork.org/research. Proposals that do not directly address the listed priorities will be rejected without consideration of funding. NPB's Surveillance Working Group will review eligible proposals and determine which proposals will be funded. Further inquiries regarding this solicitation can be directed to Pam Zaabel by email pzaabel@pork.org or by phone: 515/223-2764.

If you have questions specific to the site and submission process, please contact Bev Everitt at beveritt@pork.org or 515-223-2750.

If you encounter problems with the site, note specific information about the browser type and version you are using, what you were doing when the problem occurred and the exact text of any error messages you encounter.

Beverly L. Everitt

Research Program Coordinator

National Pork Board

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