

## PROJECT SUMMARY

**Instructions:**

The summary is limited to 250 words. The names and affiliated organizations of all Project Directors/Principal Investigators (PD/PI) should be listed in addition to the title of the project. The summary should be a self-contained, specific description of the activity to be undertaken and should focus on: overall project goal(s) and supporting objectives; plans to accomplish project goal(s); and relevance of the project to the goals of the program. The importance of a concise, informative Project Summary cannot be overemphasized.

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**Title:** Integrated Strategies To Control And Reduce The Impact Of Prrs

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**PD:** Rowland, Raymond R R

**Institution:** Kansas State University

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**CO-PD:** Benfield, David A

**Institution:** Ohio State University

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**CO-PD:** Murphy, Patrick

**Institution:** Kansas State University

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**CO-PD:** Morrison, Robert

**Institution:** University Of Minnesota

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**CO-PD:** Zaabel, Pamela

**Institution:** National Pork Board

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**Institution:**

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**CO-PD:**

**Institution:**

The control and elimination of porcine reproductive and respiratory syndrome (PRRS) will alleviate a major source of economic loss and animal suffering. For this reason, USDA funded PRRS CAP1 that enabled the collective talents of scientists, veterinarians, producers, and allied industry researchers to develop innovative strategies for the control and eventual elimination of PRRS in the U.S. The recent appearance of highly pathogenic PRRSV in Asia and its potential threat to U.S. swine herds bring a new sense of urgency to this project. The current application documents progress under CAP1 and describes significant changes for the current project, CAP2. The activities are the result of extensive stakeholder input and, when integrated into a logic model, identify well focused outcomes and impacts as well as a detailed road map for the control and elimination of PRRS. Objectives 1 through 3 are dedicated to developing the necessary tools and knowledge and include investigations of vaccines/immunity, epidemiology/ecology and host genetics. Objective 4, Extension, is focused on projects and ideas directed at eliminating PRRS from farms and regions. And finally, Objective 5 encompasses active education and outreach programs. In coordination with the National Pork Board, which provides significant infrastructure support, the CAP2 is actively managed by a Stakeholder Board in collaboration with a project director, co-project directors and a diverse group of PRRSV research scientists and stakeholders.

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