

Board Research Initiative Request for Proposals

Combating Avian Metapneumovirus (aMPV) in the Poultry Industry

Background

Avian metapneumovirus (aMPV) unexpectedly became a top disease of concern for the poultry industry in 2024. Hundreds of aMPV detections have been reported from producers across the country in the first and second quarters of 2024 after very few detections of aMPV in the United States over the past two decades. Currently, there is not a commercial vaccine approved for the industry to utilize in the U.S., and options for addressing the disease challenge are limited. Therefore, a safe and effective mechanism allowing industry to respond to emerging disease challenges, such as aMPV, more quickly would benefit the industry.

Research Areas

- a. Investigate mitigation options such as vaccination and controlled early exposure
 - i. Evaluate killed, modified live, and other novel vaccine technologies
 - ii. Identify methods to expose young breeding candidates (turkey and chicken) prior to onset of lay to induce immunity.

Proposal Submission

Researchers should submit only a maximum two-page pre-proposal summary that describes the parts of the objectives they wish to address and what they propose to do. A title, the researcher's name, affiliation, and email address should be included in the pre-proposal. Details of procedures or specifics of the budget should not be included in the pre-proposal submission. Pre-proposals should be submitted electronically at: <https://www.uspoultry.org/programs/research/>.

DEADLINE FOR PRE-PROPOSAL SUBMISSION IS NOVEMBER 1, 2024.

The outcome of the pre-proposal review will be one of three responses from USPOULTRY:

- Send a full research proposal for consideration.
- Please make specific modifications in what you are proposing and send a full proposal.
- Do not send a full research proposal.

Full proposals will follow established USPOULTRY guidelines as seen at www.uspoultry.org. Funds can be used for graduate students, technicians, research supplies, and work and meeting travel. Funds cannot be used for professional (faculty or postdoc) salaries or equipment purchase. Up to 15% overhead is allowed. No budget, including overhead, may exceed \$125,000.