

Board Research Initiative Request for Proposals

***Ornithobacterium rhinotracheale* in Turkey Production**

Background

Ornithobacterium rhinotracheale (ORT) causes a highly contagious respiratory disease in poultry and has been identified as a top disease of concern by industry veterinarians in the turkey industry since 2016. Currently, there is no commercial vaccine approved for the industry to utilize, and options for preventing infection are limited to production practices such as biosecurity and water management. In addition, treatment options for ORT are limited. Because of the similarity of symptoms of ORT infections to other respiratory pathogens, infections may often be misdiagnosed. Therefore, a reliable and accurate diagnostic tool would benefit the poultry industry.

Research Areas/Questions

1. Isolate appropriate strains through strain characterization to allow for vaccine development.
2. Develop prevention practices and products which will reduce ORT infections.
3. Can diagnostic methods be identified or further developed to more accurately identify flocks which have been infected with ORT?

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 in Microsoft Word format to research@uspoultry.org.

DEADLINE FOR PRE-PROPOSAL SUBMISSION IS NOVEMBER 1, 2023.

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.