

Board Research Initiative Request for Proposals

Released – 09/18/2017

Reovirus Vaccines for Turkeys

Background

In recent years segments of the turkey industry have seen an unusually high instance of lameness resulting from tenosynovitis. Reovirus appears to be the causative agent based on virus isolation and serology. Current evidence indicates that the reovirus isolates involved in this disease may be serologically distinct from the reovirus isolates used in currently available vaccines.

Research Questions

- Are the reovirus isolates which are currently causing tenosynovitis in turkeys distinctly serologically different from the reovirus isolates used to produce currently available vaccines?
- Can contemporary reovirus isolates from turkeys be used to produce inactivated and/or modified live vaccines to protect turkeys against tenosynovitis?

Areas of Focus

- Characterize recent reovirus isolates from cases of tenosynovitis in turkeys and select isolates which could be used in vaccine development.
- Develop and test inactivated and/or modified live vaccines to protect turkeys against tenosynovitis using recent isolates of reovirus from cases of tenosynovitis in turkeys.

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 Debbie Jorgensen at djorgensen@uspoultry.org. **DEADLINE FOR PRE-PROPOSAL SUBMISSION IS NOVEMBER 1, 2017.**

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.