The University of Nebraska, Lincoln and the Nebraska Center for Virology is seeking a postdoctoral fellow to conduct research on vaccine for the protection against viruses such as influenza and Zika virus. Our research focuses on designing novel vaccine candidates that can induce broadly protective neutralizing antibodies against viruses. We are currently focusing on developing vaccines against Zika and influenza (Human and Swine) virus. Our research is currently conducting research funded by the National Institutes of Health to develop and evaluate influenza virus vaccine candidates.

We are seeking to fill a Post-Doctoral Research Associate or Scientist position with a candidate that is highly self-motivated with a passion for investigating vaccines that have the potential to directly impact and improve the quality of life for both animals and humans.

Required Education and Experience:

- Ph.D. in Molecular Biology, Biochemistry, Virology, Microbiology, Immunology or other related fields.
- Experience in working with viruses (Adenovirus, influenza and Zika virus)
- Experience in working with laboratory animals (injecting, collecting blood samples).

Preferred Experience:

- Experience in various molecular biology, biochemistry and immunological techniques including PCR, gene cloning, recombinant protein expression and purification, and immunoassays (ELISA, Western blot, ELISPOT, FACS).
- Experience with bioinformatics and phylogenetics including PAUP, Geneious, MrBayes, etc.
- The successful candidate is expected to run research projects, write manuscripts, present data at national and international conferences.
- Responsibilities will also include assisting the PI in writing progress reports, grant proposals, protocols of animal experiments, assist in supervision of Ph.D. students and research associates

The candidate will be involved in various aspects of vaccine research and development, including structure-based immunogen design, molecular cloning and production of immunogens, immunization of small laboratory animals, evaluation of antibody and T cell responses, and molecular cloning and production of monoclonal antibodies.

Publications representing our research can be reviewed at the following link: https://www.ncbi.nlm.nih.gov/myncbi/1Li6-MS2f-hka/bibliography/public/

The Nebraska Center for Virology website: https://www.unl.edu/virologycenter/biomedical-research-excellence

The successful candidate will be self-motivated and possesses the ability to work both independently and collaboratively. The ability to communicate well orally and in writing is also essential for this position.

The position is available immediately. Interested individuals should submit the following items to: eweaver2@unl.edu

- Cover letter indicating research interests and long-term career goals.
- Curriculum Vitae/Resume.
- Contact Information for three references.