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Science



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Science Careers

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## PRIZES



Ministry of Science  
and Technology



Israel Prime Minister's Office



Keren Hayesod  
United Israel Appeal

## Call for nominations for the first annual Eric and Sheila Samson Prime Minister's Prize for Innovation in Alternative Fuels for Transportation

The **US \$1 million** prize will be awarded for global innovation or a major scientific or technological breakthrough in the field of alternative fuels for transportation.

Nominees for the prize should be actively engaged in innovative, paradigm-shifting research in the field of alternative fuels for transportation, worthy of significant and widespread attention. The recipient(s) can be of any nationality, race, ethnicity, or sex.

**Deadline for nominations: Extended until June 30th, 2013**

For nomination information and forms see  
<http://tinyurl.com/pmprize>

## POSITIONS OPEN



[www.ars.usda.gov](http://www.ars.usda.gov)

### Research Microbiologist (Immunology) or Research Veterinary Medical Officer GS-12/13

Salary Range of \$68,809 to \$106,369

The Food Safety and Enteric Pathogens Research Unit at the National Animal Diseases Center in Ames, Iowa, is seeking a permanent full-time Research Microbiologist (Immunology) or a Research Veterinary Medical Officer to conduct research on the interactions between intestinal commensal microbes, notably food-borne pathogen *Campylobacter* species, and mucosal defense mechanisms of turkeys.

The scientist will use traditional, genomic, and transcriptomic immunological techniques to describe the development of turkey intestinal mucosal defenses after hatch and in response to different environmental conditions; will perform individual and collaborative team research to design and evaluate food safety control strategies for *Campylobacter* in turkeys, such as prebiotic and innate immunological approaches; will evaluate immune responses and efficacy following exposure to *Campylobacter* immunogens. The research has the goal of identifying non-antibiotic strategies to reduce *Campylobacter* colonization of poultry on the farm, the first link in the human food chain. Team members and collaborators include microbiologists, molecular biologists, pathologists, veterinarians, and animal scientists.

NADC is the premier research institute within the USDA for studying diseases of large animals and has recently undergone a \$500 million upgrade of laboratory facilities. NADC resources for the position include flow cytometry, mass spectroscopy, laser capture microdissection microscopy, a nucleic acid center operating Roche FLX, Illumina, MiSeq, AP3100 sequencers, an electron microscopy/histology facility, bioinformatics resources, and both conventional and gnotobiotic large animal support. NADC researchers also have access to resources and collaborators at nearby Iowa State University. At the NADC, scientists are able to investigate microbe-host interactions at every level—molecular, microbe, and natural host.

Beginning **June 24, 2013**, details of this position, including salary, qualification requirements and application directions will be described in Job Announcement ARS-X13E-0092 posted on the USAJOBS website, [www.usajobs.gov](http://www.usajobs.gov). **U.S. citizenship is required.** Applications can be faxed, e-mailed or mailed (post-marked) until **August 16, 2013**.

**Contacts:** Application procedure: Kim Grandon, [Kim.Grandon@ars.usda.gov](mailto:Kim.Grandon@ars.usda.gov); 515-337-7277  
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