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Science Careers

From the journal *Science* AAAS

## POSITIONS OPEN

### OPEN-RANK, TENURE-TRACK FACULTY POSITION IN BACTERIOLOGY Department of Microbiology, Immunology, and Pathology Colorado State University Fort Collins, Colorado

The Department of MIP ([website: http://www.cvms.colostate.edu/mip/](http://www.cvms.colostate.edu/mip/)) is seeking to fill an open rank tenure-track position in Bacteriology at the **ASSISTANT, ASSOCIATE, or FULL PROFESSOR** level. This is an international search for a scientist who will join a dynamic department working on fundamental, clinical and bio-security aspects of a range of bacteria ([website: http://www.cvms.colostate.edu/ns/departments/mip/](http://www.cvms.colostate.edu/ns/departments/mip/)) with particular strengths in: mycobacteriology, notably in tuberculosis and leprosy; *Pseudomonas aeruginosa*; *Burkholderia pseudomallei*; and *Francisella tularensis*. Studies of these pathogens are closely affiliated with the Mycobacteria Research Laboratories, the Rocky Mountain Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research, and the Rocky Mountain Regional Biocontainment Laboratory. The new hire will reinforce existing disciplines in the Department or steer the Department into new areas of research. Candidates with the demonstrated promise or a history of establishing and maintaining a successful research program are being sought. We are particularly interested in individuals with research programs in drug development, resistance, and pathogenesis, but applicants in all areas of bacteriological research will be considered.

The successful candidate will participate in the MIP undergraduate, graduate, and professional teaching programs as appropriate, and will have multiple opportunities to collaborate and assume a leadership role in infectious disease research programs at Colorado State University (CSU). The exceptional research and teaching opportunities at CSU are enriched by the highly interactive and collaborative environment with world recognized Infectious Diseases programs and scientists on campus and the Centers for Disease Control laboratories on the CSU Foothills Campus.

Candidates must have the Ph.D., D.V.M., or M.D. degree and an established record of scholarly activity in bacteriology. Salary and startup package will be commensurate with experience and are negotiable.

More information concerning the position is available at [website: http://www.cvms.colostate.edu/mip/Jobs/bacteriologist.aspx](http://www.cvms.colostate.edu/mip/Jobs/bacteriologist.aspx).

Applications will be accepted until the position is filled. However, evaluations of applications will begin by February 14, 2011. Candidates should electronically submit: a letter of application, curriculum vitae, and the names, mailing, and e-mail addresses of at least three references to:

**Herbert P. Schweizer, Ph.D.**

**Chair of the Bacteriology Search Committee**  
E-mail: [herbert.schweizer@colostate.edu](mailto:herbert.schweizer@colostate.edu)

*CSU is an Equal Opportunity/Affirmative Action Employer and conducts background checks on all final candidates.*

## POSTDOCTORAL ASSOCIATE

The Lillehei Heart Institute is a premier institute at the University of Minnesota in Minneapolis with state-of-the-art technologies and core facilities focused on the molecular regulation of myogenesis, stem cell, and regenerative biology. We are accepting applications for highly motivated postdoctoral associates to work on NIH-funded research pertaining to the role of transcription factor mediated networks to direct the fate of stem and iPS cells to a mesodermal fate (i.e. cardiac, endothelial, skeletal muscle). Ph.D. and expertise with molecular biological-biochemistry techniques as well as the use of transgenesis and knockout technologies will be required for this position. Interested applicants should apply online to: **Daniel J. Garry, M.D.-Ph.D., Director of Lillehei Heart Institute, University of Minnesota** at [website: http://employment.umn.edu](http://employment.umn.edu) (reference job search #166342) and include curriculum vitae, statement of interest, and names of three references. *Candidates must be able to demonstrate authorization to work in the United States at the University of Minnesota by the start date. The University Of Minnesota is an Affirmative Action/Equal Opportunity Employer.*

## POSITIONS OPEN



### PIADC BIOSAFETY OFFICER

This is an exciting opportunity for an experienced Biological Safety Officer to work at the U.S. Department of Homeland Security Plum Island Animal Disease Center (PIADC). PIADC is the Nation's number one laboratory responsible for protecting livestock from foreign animal diseases. Scientists from both DHS and USDA work at this facility where they conduct basic and applied research to better understand foreign animal diseases, develop vaccines, and maintain and improve the Nation's foreign animal disease diagnostic capabilities.

We are seeking an energetic individual with proven experience in coordinating and guiding biological safety, radiation safety, and animal care programs to serve as a recognized authority regarding biological safety and biological containment in support of PIADC's scientific mission.

Candidates must be U.S. citizens and hold a degree in biological sciences, agriculture, natural resource management, chemistry, or related disciplines appropriate to the position, or a combination of education and experience. Additional requirements are outlined on the website identified below. The selected applicant must successfully complete security background checks, including for Select Agents, and will be subject to random and applicant drug testing.

To apply to the vacancy announcement and see a copy of the qualifications, please go to [website: http://jobview.usajobs.gov](http://jobview.usajobs.gov) and search for **announcement number DSHQ11-398615-ST**. Applicants must address and respond specifically to the Knowledge, Skills, and Abilities ("KSAs") criteria to be evaluated and considered for the position. This position has a salary range of \$77,585-\$119,935 per annum (GS-0401-12/13). Relocation costs may be paid. *DHS is an Equal Opportunity Employer.*

## POSTDOCTORAL RESEARCH ASSOCIATE POSITION

A postdoctoral research position is available to perform research on Orthopoxviruses and protein based assay development and immunology. The Centers for Disease Control and Prevention, Poxvirus and Rabies Branch (NCEZID/DHCPP/PRB) has begun development of panels of hybridomas previously generated against Orthopoxviruses including Variola, and will initiate screening of these clones to define virus specific monoclonal antibodies for use in immunological capture assays (e.g., ELISAs, LIAs). The research program has available preexisting resources and collections of Variola and related near-neighbor viral strains to develop, screen, and characterize hybridomas to identify monoclonal antibodies with specific reactivity to Variola and other Orthopoxviruses (PAN) of interest for diagnostic and detection potential. Specific tasks of the position will include; performing hybridoma screening to define clones with reactivity to Orthopoxviruses (PAN) and also those specific for Variola, the development of proteome arrays using Orthopoxvirus genome cloning, and ongoing transcriptional expression of Orthopoxvirus proteins in vitro for sustained array production, pilot capture assays to define detection capacities of monoclonal antibodies and refine ELISA based formats for development of Surveillance and Detection assays, assess select monoclonal antibodies for protein specific reactivity using proteome microarrays and isolation of subsequently identified virus clones, and develop rapid assay formats using identified monoclonal antibodies for surveillance and detection. Reagents of interest will be used in biological studies of Orthopoxviruses. Previous experience in protein microarrays and antibody assays and assay development is desirable. Some experience in molecular biology and clonal expression is also desirable. Please submit an application directly to e-mails: [kkarem@cdc.gov](mailto:kkarem@cdc.gov) or [volson@cdc.gov](mailto:volson@cdc.gov) that includes current curriculum vitae, list of publications and awards, and contact information for five references.