

Short narrative for each request

University of Alaska Fairbanks

INBRE Positions (in support of INBRE renewal)

Joint UAF/Public Health Laboratory (DHSS) position 0.5 Faculty FTE (6 months) in Virology (salary + benefits) \$75,000

This is the joint UAF/State of Alaska Public Health Laboratory position described during the planning for the new State Virology Laboratory on the UAF campus. This joint appointment is intended to foster UA and State of Alaska collaboration. Research and teaching will be in public health and/or of microbiological diagnostics, microbial genotypes, genomes, and genomics. Applications might include: 1) surveillance of existing, emerging, and re-emerging pathogens in people, animals, and environments in Alaska, 2) identification, characterization, and pathogenicity of new isolates, 3) development and validation of laboratory protocols for Alaska conditions, 4) changes in the prevalence of Alaska's disease pathogens in the face of climate change, 5) evaluation of vaccines and preventative health measures, and 6) safety of Alaska subsistence and other foods.

1.0 UAF Faculty FTE (9 months) in Virology and Infectious Diseases (salary + benefits) \$100,000

Potential research disciplines include pathogenesis, viral characterization, virus-host specificity, adaptations to vectors, epidemiology, or viral ecology in Alaskan environments. The applications could include: 1) changes in pathogens (zoonotic or vector-borne disease agents) that are correlated with changing climate, 2) viral prevalence and viability in Alaska field environments, 3) food-borne infections, 4) microbial metagenomics in the digestive tracts of Alaska wildlife and people, and 5) impacts of contaminants on digestive microfauna and microflora.

1.0 UAF Faculty (9 months) FTE in Immunology (salary + benefits) ... \$100,000

Research and teaching will be in basic and functional immunology and immune defenses against infection. The potential research and teaching disciplines could be at the level of organismal, cellular, or molecular immunology. Preference would be given to candidates who work on comparative immunology using animal models.

Post-doctoral research support\$200,000

Support for 2 post-doctoral candidates in INBRE2 theme areas of infectious disease or toxicology.

Center for Research Services

1.0 UAF staff (12 months) Veterinary Services technician (salary + benefits) \$95,000

Complete transfer of Veterinary Services to Center for Research Services to accommodate campus-wide mandate of research animal care program. Correct cost accounting error of placing this position in a recharge center. Correct regulatory requirement for lines of authority and eliminate conflict of interest problem. Full-time Veterinary Services Technician to oversee diagnostic/research service laboratories in the BiRD building. This technician provides support services to maintain the animal care program, coordinates research and teaching use of necropsy suite and diagnostic service labs. Provide regulatory support including training for faculty students, technicians, staff in experimental methods and analytical techniques. Reports to attending veterinarian.

1.0 UAF staff (12 months) Veterinary Services animal health technician (salary + benefits) \$95,000

Complete transfer of Veterinary Services to Center for Research Services to accommodate campus-wide mandate of research animal care program. Correct cost accounting error of placing this position in a recharge center. Correct regulatory requirement for lines of authority and eliminate conflict of interest problem.. Full-time Animal Health Technician to accommodate maintenance of research and clinical support services, including but not limited to: prescription and controlled substances, surgery and anesthesia support services (including training program), clinical and research imaging, and medical/husbandry records. Help with clinical/research service laboratories in the BiRD building. This technician provides support services to maintain the animal care program, coordinates research and teaching use of surgical suite and clinical pathology service lab. Support for experimental protocols involving research animals. Helps train faculty, students, technicians, and staff in experimental methods, animal handling techniques, blood draw, biopsy, anesthesia, surgery, and analytical techniques. Reports to attending veterinarian.

Center for Alaska Native Health Research

1.0 UAF Faculty FTE (9 months) for a tenure-track position in Behavioral Health Intervention: (salary + benefits) \$105,000

This new position was part of UAF’s institutional commitment to the COBRE renewal, which was funded in 2006. This faculty member will lead research and train Ph.D. students in community and clinical psychology to increase health and well being in Alaskan rural villages.

1.0 UAF Staff FTE (12 months) in Core Epidemiology and Biostatistics support (salary + benefits) \$116,000

This position serves faculty in analyzing and evaluating large data sets that follow from human subject research associated with CANHR. This is part of biomedical infrastructure support for NIH sponsored biomedical and health research grants.

1.0 UAF Staff FTE (12 months) for Coordination of Field Research in rural Alaska (salary + benefits). \$116,000

This is a research support position that is key for scheduling and coordinating research visits by UAF scientists to villages in rural Alaska. This is part of biomedical infrastructure support for NIH sponsored biomedical and health research grants.

Alaska Basic Neuroscience Program (SNRP)

1.0 UAF Faculty FTE (9 months) for a mid to senior level neuroscientist (salary + benefits) \$200,000

Continue to build on neurobiology research. Senior level neuroscientist with an established NIH funded research program. Preference given to individuals using animal models to study neuroprotective and repair mechanisms to brain and/or spinal injury.

0.5 UAF Faculty FTE (4.5 months) for a biochemist (salary + benefits) \$70,000

This is for a biochemist focusing on neuroprotective mechanisms of antioxidants. Strong background in nutritional biochemistry. Linkage between CNSM and AFES/SNRAS.

College of Natural Science and Mathematics

0.5 UAF Staff FTE Pre-professional Health Advisor/Coordinator for UAF science undergraduates. (salary + benefits) \$45,000

NOTE: Also listed in the Health Programs Budget Package

The College of Natural Science and Mathematics seeks a pre-professional health advisor to support students interested in pre-professional careers tracts (e.g., pre-medical, pre-dental, pre-veterinary, etc.). The advisor will be a point of contact for these students, providing information and linking students with appropriate faculty for additional advising and hands-on

opportunities. The advisor will also be expected to work with the local professional community to seek their help in appropriately advising students. This position would be an excellent link between research and our students and between UAF and the professional health community.

College of Liberal Arts and College of Natural Science and Mathematics

1.0 UAF Faculty FTE (9 months) for a senior faculty member in bioethics (salary + benefits) \$120,000

NOTE: Listed elsewhere?

This is a senior, tenurable, tripartite faculty appointment in bioethics. Applicants will have a record of relevant publications with sensitivity to indigenous cultures and an established externally sponsored research program. Teaching is assigned through the CLA Philosophy Department and CNSM.

University of Alaska Anchorage

INBRE Positions (in support of INBRE renewal)

Joint UAA/AK Public Health position 0.5 Faculty FTE (6 months) in Microbiology (salary + benefits) \$75,000

This is the joint UAA/State of Alaska Public Health position focused on Microbiology/Environmental Toxicology. Applications would include environmental correlates of pathogen and environmental sourced toxicological sequelae of human health.

1.0 UAA Faculty FTE (9 months) in Stress Physiology (salary + benefits) \$100,000

This new position in the UAA Department of Biological Sciences will augment departmental expertise in biomedicine by hiring a physiologist that focuses on the cellular and molecular basis of stress. The successful applicant's expertise will dove-tail with past federal initiatives (AK EPSCoR I: Extreme Physiology, INBRE I: Infectious Diseases and Toxicology) and is intended to fit with the INBRE II *Cellular basis of disease* focus area. Stress, broadly defined as any external source of damage to the cell or organism, impacts all aspects of human physiology and, by extension, health. This position will also create opportunities for collaboration with other programs beyond Biological Sciences at UAA, including Public Health, Nursing and Psychology.

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**1.0 UAA Faculty FTE (9 months) in Clinical/Translational Science
(salary + benefits) \$150,000**

Potential disciplines include cell, organ, and whole body effects of environmental or toxicological stress.

**1.0 UAA Staff FTE (9 months) in Health Careers and Pathways
(salary + benefits) \$75,000**

This position is designed to bridge HS students into college level biomed courses and careers, including summer programs, Pre-Med and Pre-Health student majors, and graduating seniors.

Office of the Vice Provost for Research

**1.0 UAA Staff FTE (12 months) for an animal research facility
manager (salary + benefits).....\$70,000**

**0.25 UAA position (3months) for an attending veterinarian
(salary and benefits) \$60,000**

UAA's Integrated Science Building will open in Fall 09 with a new animal research facility to support biomedical research. Facility needs a full time staff position to oversee the daily operation of the facility including animal husbandry, coordination of research projects, and coordination of the animal care program. A part time veterinarian is required to ensure regulatory fulfillment for provision of adequate veterinary care of research animals. Regulation requires that the attending veterinarian have a direct report to the designated institutional official who, at UAA, is the Vice Provost for Research.

College of Health and Social Welfare

**1.0 UAA Faculty FTE (9 months) in Alcohol and Addiction Research
(ICHS) (salary + benefits) \$110,000**

This position is focused on targeted research in addiction studies involving alcohol, drug, and controlled substances. Position will include education, training, and outreach

**1.0 UAA Faculty FTE (9 months) in Environmental Health (ICHS)
(salary + benefits) \$100,000**

This position is focused on research on the environmental correlates of public health, including epidemiological analysis, dose-response, toxicology remediation and intervention.

**1.0 UAA Staff FTE (12 months) in Biostatistics and Epidemiology
(ICHS) (salary + benefits) \$75,000**

This position will act as a central resource for biomedical research and researchers for research design, longitudinal and single-subject analysis, epidemiological analysis and design, and controlled experimental design

Office of Sponsored Research

1.0 UAA staff FTE (12 months) in Research Administration (salary + benefits) \$75,000

This position will be dedicated to specialized Research Administration for biomed research, translational science, and training.

University of Alaska Southeast

College of Arts and Sciences (in support of INBRE renewal)

UAS teaching buyout for 2 INBRE supported faculty \$50,000