Title: Research Associate III, Advanced Veterinary Diagnostic Imaging Research Associate

Employment type: Administrative Professional

Department: Environmental and Radiological Health Sciences, Veterinary Teaching Hospital, Radiology Section, Colorado State University

Colorado State University’s department of Environmental and Radiological Health Sciences (ERHS) in the College of Veterinary Medicine and Biomedical Sciences invites nominations and applications for the position of Advanced Diagnostic Imaging Research Associate in the Veterinary Teaching Hospital (VTH). This is a full time, 12-month, Administrative Professional position.

Overall nature of the position is to provide the lead role in the technological aspects of computed tomography and PET/CT. Responsibilities will include conducting CT and PET/CT studies for the clinical, teaching and research programs, coordination and management of the daily functions and use of the PET/CT facility. The Associate is expected to maintain a high standard of quality and to add new knowledge and expertise in clinical and research applications with veterinary CT and PET/CT.

The Research Associate is under the administrative direction of the CT/PET-CT/MRI Service Chief and the Section Chief for Veterinary Diagnostic Imaging, and works under the daily direction of the section radiologists to provide CT and PET/CT imaging. The Associate will also make an important contribution to the education of faculty, residents, staff and Professional Veterinary Medical (PVM) students in the proper and safe use of CT and PET/CT equipment and radiopharmaceuticals, in conducting CT and PET/CT studies, and in uses of CT and PET/CT for research. The Associate will also cross-train in magnetic resonance imaging (MRI) to provide support in that facility as needed.

Responsibilities of the Associate:

- Conduct CT, PET/CT scans including radiation therapy CT planning scans in support of clinical teaching and research,
- Schedule imaging studies and oversee CT, PET/CT calendar of use
- Perform complex image post-processing, analyze CT, PET/CT images with viewing and analytical software,
- Utilize digital image management systems including PACS and RIS, image data archival, and reports,
- Develop new protocols and procedures in CT, PET/CT animal imaging for clinical and research applications,
- Manage imaging databases and data from animal studies,
- Maintain/oversee proper care and sanitation of the CT, PET/CT facility,
- Maintain programs of CT, PET/CT quality assurance and control,
- Cross-train and provide imaging support as needed in MRI
Function as the Radiation Principal User by scheduling equipment certification and ensuring compliance with radiation safety practices, including safe handling of radiopharmaceuticals for PET/CT studies,

Organize and coordinate clinical and research work flow with other areas of the VTH,

Coordinate and participate in CT, PET/CT laboratory meetings,

Aid in the conduct of prospective research and retrospective case studies, including participation in literature review, data, manuscript preparation for publications and grants

Manage, organize, coordinate, and budget research projects,

Educational tasks to include, but not be limited to:
  - Organize and gather materials for educational CT, PET/CT imaging rounds,
  - Provide formal and informal presentations on safety and technical aspects of CT, PET/CT to faculty, residents, other personnel and students
  - Conduct clinical CT, PET/CT studies for PVM student education,

Oversee the maintenance and repair of CT, PET/CT equipment as well as identify, investigate maintenance and service contracts as approved by the Service and Section Chief,

Identify vendors and assist in the negotiation of major equipment purchases.

Monitor inventory on a monthly/yearly basis, and investigate best prices.

Serve as technical liaison to other departments within the VTH.

Communicate with industry and scientist user groups,

Other duties as required and/or requested.

Required Qualifications
  - Bachelor’s degree
  - Minimum of 5 years of experience with CT including body CT and angiographic techniques, or other advanced imaging experience
  - Current ARRT certification

Preferred Qualifications
  - Additional post-primary ARRT certification in CT highly desired
  - Previous experience with multi-slice CT, PET/CT and/or MRI
  - Experience in working in a digital imaging, RIS/PACS environment
  - Demonstrated history of working well in a team environment; strong communication skills, good personal interaction in a hospital setting at various levels (faculty, administration, staff, clinicians, and trainees)
  - Experience with radiopharmaceutical handling and patient injection, radiation safety protocols and monitoring

Salary: Commensurate with education, background and experience.
Application Procedure: Nominations and applications will be accepted until the position is filled; however, for full consideration, complete applications must be received no later than 5:00 p.m. mountain daylight time on February 15, 2013. Complete applications must include a letter of application addressing required and preferred qualifications and interest in the position; resume; names and contact information (including telephone numbers) of three references. Please provide nominations and applications electronically to Karen Waldchen (Karen.Waldchen@colostate.edu) An e-mail confirmation will be sent once application materials are received.

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Colorado State University is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final candidates being considered for employment. Background checks may include, but are not limited to, criminal history, national sex offender search and motor vehicle history.