The Tumor Immunology Laboratory in the Animal Cancer Center seeks a motivated post-doctoral fellow to participate in tumor immunotherapy studies investigating the role of inflammatory monocytes in regulation of tumor immunity and metastasis in mouse cancer models. The project will also include clinical investigations in pet dogs with spontaneously occurring cancers. The Animal Cancer Center conducts investigations of cancer biology and pre-clinical therapeutics and many researchers at the ACC utilize the canine cancer model as a highly relevant translational model for human cancer.

**Job Responsibilities:**
- Develop and perform cell based immunoassays with dog and mouse primary immune cells and cancer tissues (cytotoxicity, phagocytosis, proliferation, cytokine release, immunohistochemistry and cytology).
- Establish and run cancer animal disease models, and utilize these models to test drug compounds, explore target biology, and understand drug mechanism of action.
- Use *in vivo* models to characterize the mechanism of action of selected immune modulatory drugs.
- Use advanced imaging based approaches to monitor the homing and tissue migration of immune cells.
- Conduct multi-color and intracellular flow cytometry, and perform data analysis.

**Qualifications:**
- Ph.D. in Immunology, Cell Biology or Biochemistry, with experience in developing *in vitro* and *in vivo* assays relating to myeloid cells and T cells and their function is required.
- Minimum 3 years laboratory experience immune studies, including isolating and characterizing myeloid cells and T cells using both *in vitro* and *in vivo* model systems.
- Substantial prior experience with *in vivo* tumor modeling, inhibition and detection of immune cells including myeloid cells, T helper subsets, cytotoxic T cells and antigen presentation and costimulation.
- History of creative science demonstrating well organized design and execution of studies.
- Flexible and cooperative spirit with strong commitment to team efforts.
- Strong oral, written, and presentation skills.
- Personal and professional commitment to diversity as demonstrated by involvement in teaching, research, creative activity, service to the profession and/or diversity/inclusion activities.

**Working Conditions and Physical Requirements:**
- May require working with blood and cell lines of human and animal (dog, mouse) origin.
- May require work with hazardous materials.
- May require occasional evening and weekend work.
The preceding job description indicates the general nature and level of work performed by employees within this classification. Additional and incidental duties related to the primary duties may be required from time to time.

Interested applicants must submit a cover letter, a curriculum vitae or resume, and three reference letters electronically to morna.mynard@colostate.edu. References will not be contacted without prior notification of candidates. Applications must be received by June 17, 2014 to receive full consideration – please reference the Tumor Immunology post-doctoral fellow position.

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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.