



The laboratory of Dr. Andrea Bonetto in the Department of Pathology at University of Colorado Anschutz Medical Campus is looking for 1 ambitious and talented postdoc to take part in basic, translational and clinical research aimed at investigating the musculoskeletal consequences of cancer and its treatments (*i.e.*, cachexia), with a special focus on the inter-organ complications affecting muscle, bone and liver. These studies are funded by multiple sources, including NIH/NIAMS. The laboratory is also interested in unraveling the molecular causes responsible for the muscle and bone abnormalities resulting from metabolic dysfunctions and aging. The laboratory uses state-of-the-art technologies and tissue-specific mutant mouse models to examine the molecular mechanisms that trigger cancer-induced musculoskeletal defects. The projects are highly collaborative and multidisciplinary with excellent opportunities for advanced training and scientific development. Interested candidates will have extensive experience in skeletal muscle physiology, ideally a background in cancer biology or exercise physiology, and experience characterizing mouse models, as also evidenced by their publication records. A background in bone biology or willingness to develop an interest in skeletal physiology and muscle-bone crosstalk are preferred. The candidates will join a dynamic and fast-paced research environment and will be responsible for the development of novel research methods, will conduct experiments using *in vitro* and *in vivo* approaches, will perform project planning, data interpretation, authorship of presentations and publications, lab management, and training of personnel. The PI is committed to supporting the candidate's career development and research progress, including fostering and facilitating grant submissions, attending and presenting at scientific meetings, and exploring new project areas and collaborations.

Qualifications:

Minimum Education: PhD in relevant field required (e.g., biomedical sciences, cancer biology...).

Minimum Experience: The candidate must be willing to work with mice. Laboratory experience in skeletal muscle physiology or cancer biology, and experience characterizing mouse models is required. Experience in bone biology or willingness to develop an interest in skeletal physiology are preferred.

Required skills: Basic computer skills and proficiency with Microsoft Office, Prism (or other data analysis and statistical software) required. Experience with mammalian cell culture, cell biology and basic molecular biology techniques are preferred. Comfortable with handling rodents. Able to work both independently and as part of a team. Organized and detail oriented with excellent documentation as well as verbal and written communication skills. Must be able to record data and findings meticulously and thoroughly.

Preferred Qualifications:

- A record of oral and/or poster presentations at national meetings is preferred.
- A record track of publications in reputable scientific journals (as first author or co-author) is preferred.
- Experience with *in vivo* tumor and cachexia modeling, animal handling and tissue dissection is preferred.
- Experience with omics analysis platforms (proteomics, RNAseq, metabolomics) is preferred.
- Experience in bone biology or willingness to develop an interest in skeletal physiology are preferred

Application Materials and Instructions:

Please contact apply here <https://cu.taleo.net/careersection/2/jobdetail.ftl?job=33017&lang=en> and include:

1. A letter of application which specifically addresses the job requirements and outlines qualifications
2. A current CV/resume
3. List of at least three professional references.