

Job description:

The Medical Physics division of the Department of Radiation Oncology at University of Colorado Cancer Center is seeking a postdoctoral researcher in the area of cone beam computed tomography (CBCT).

We have been developing novel x-ray imaging technologies to improve tissue visualization and quantitative accuracy in CBCT. We are moving towards a first-in-human clinical trial of our technology in CBCT-guided radiation therapy. In this project, the postdoctoral fellow will be primarily responsible for the development of new image quality improvement algorithms and optimization of novel imaging hardware in our CBCT platform. Other responsibilities involve conducting CBCT imaging experiments, data analysis, and preparation of manuscripts for peer-reviewed publications.

Skills in one or more of the following areas are highly desired:

- Physics of x-ray detectors/image sensors
- Optimization and modeling of imaging systems
- CT image reconstruction and data correction methods
- Image processing algorithms

Demonstrated skills and persistence in problem solving are more important than domain-specific experience in either CBCT imaging or radiation therapy. A track record of peer-reviewed publications is required.

Candidates should have a Ph.D. in physics, medical physics, electrical engineering, biomedical engineering, or a related field.

This position is funded by the National Cancer Institute. Salary is commensurate with skills and experience. The University of Colorado offers a full benefits package. The position is for one year and renewable contingent on performance.

Interested candidates should send a cover letter, CV, and contact information of three references to Cem Altunbas, Ph.D. at cem.altunbas@cuanschutz.edu

About the employer:

University of Colorado Cancer Center is a NCI-designated Cancer Center, and it is located in the Anschutz Medical Campus, a world-class, academic health center with state-of-the-art health care facilities. The city of Denver offers both 300 days of sunshine per year and the perfect blend of outdoor adventure and urban sophistication. *University of Colorado is an equal opportunity/affirmative action employer.*