We're Hiring

Postdoctoral Fellowship
in Artificial Intelligence & Radiation Dosimetry

Division of Cancer Epidemiology and Genetics

Postdoctoral Fellowship
Artificial Intelligence & Radiation Dosimetry

The Dosimetry Unit (DU) of the Radiation Epidemiology Branch (REB), Division of Cancer Epidemiology and Genetics (DCEG), National Cancer Institute (NCI), is seeking a postdoctoral fellow with training in computer science, artificial intelligence, and/or data science to develop and apply deep learning methods, including automated image segmentation and natural language processing, for radiation dosimetry and epidemiologic research. DU investigators develop advanced methods and tools to estimate radiation dose and quantify uncertainty in large population studies, in collaboration with epidemiologists and statisticians.

The successful candidate will receive interdisciplinary training in radiation dosimetry, radiation epidemiology, medical imaging, and biostatistics, and will be mentored toward increasing scientific independence during the fellowship.

The Division of Cancer Epidemiology and Genetics is a research division of the National Cancer Institute (NCI), one of the focal points for cancer research at the National Institutes of Health (NIH). The Division is the world's largest cancer epidemiology research group. Its renowned epidemiologists, geneticists, and biostatisticians conduct population and multidisciplinary research to discover the genetic and environmental determinants of cancer and new approaches to cancer prevention.

Qualifications: Applicants must hold or expect to soon attain a PhD (or equivalent) in computer science, data science, artificial intelligence, medical physics, nuclear engineering, biomedical engineering, , or a related field. Review of applications will continue until the position is filled.

U.S. citizens, U.S. permanent residents, and international applicants are eligible. Applicants must have received their doctoral degree within five years of the start of the program. International applicants should visit training.nih.gov for more information.

Candidates are subject to a background investigation. DHHS and NIH are equal opportunity employers.

Equal Opportunity Employment: Selection will be based solely on merit, with no discrimination for non-merit reasons such as race, color, religion, gender, sexual orientation, national origin, political affiliation, marital status, disability, age, or membership or non-membership in an employee

For more information contact:
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To apply:
Submit a cover letter, CV, and names of three referees to Dr. Choonsik Lee (choonsik.lee@nih.gov)

Learn about training in DCEG:
dceg.cancer.gov/fellowship-training

NIH is an equal opportunity employer