

## Research Fellow/Clinical Assistant Job

### Radiation Oncology, City of Hope National Medical Center

#### Job Summary:

The Radiation Oncology Department at City of Hope National Medical Center (COH) in the great Los Angeles area has an exciting opportunity to join our team as a research fellow with a lot of exposure to clinical practice of radiotherapy physics. City of Hope is currently ranked as the 8<sup>th</sup> "Best Hospital" for cancer in the United States by U.S. News & World Report. The Radiation Oncology Department at COH is the largest Radiation Oncology enterprise in the southern California with more than 25 Linear Accelerators (Linacs) including special designed machines such as MR-guided Linac and PET-guided linac, Varian Ethos with adaptive radiotherapy capabilities. Different imaging simulators are also available within the department including CT, PET/CT and MRI. Research is highly active here. The primary goal of this position is to implement novel MRI techniques for the application in radiation therapy, including imaging guidance of radiotherapy treatment planning, treatment delivery and assessment of treatment outcomes.

#### Primary Responsibility:

- MR pulse sequence development and image reconstruction
- Coordinate MR imaging studies to promote applications of MRI in the application of radiotherapy
- Assist practices of clinical radiation therapy physics related to dosimetry measurement, calibration and quality assurance. Training will be provided beforehand

#### Required Qualifications:

- Ph.D. degree in biomedical engineering, electrical engineering with a focus on MRI pulse sequence development
- Excellent coding skills in C++, Matlab or Python
- Prefer to have extensive MR pulse sequence development experiences in Siemens, GE or Phillips platform
- Assist practices of clinical radiation therapy physics related to dosimetry measurement, calibration and quality assurance. Training will be provided beforehand
- Excellent problem-solving skills and the ability to work independently and collaboratively
- A collaborative spirit, keen to work in a multidisciplinary team, and contribute to a dynamic research environment

Interested applicants please email your CV to Dr. Kun Qing at [kqing@coh.org](mailto:kqing@coh.org)

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