

## **Image Processing Research Scientist (Faculty) Position at Corewell Health**

The Research Institute and Department of Radiation Oncology at Corewell Health are offering a full-time Research Scientist position focusing on image processing in the newly established MR Imaging and Physics Research Program. Based on the candidate's track record in research, an appropriate joint academic appointment (Assistant Professor or above) in the Oakland University William Beaumont School of Medicine and/or Physics Department will be offered along with this Research Scientist position. The annual salary will be commensurate with the candidate's qualification and experience, and a generous start-up fund is offered for the initial three-year appointment.

Corewell Health is a health organization consisted of many major hospitals in the State of Michigan. This position is located in the William Beaumont University Hospital campus in Royal Oak, near Detroit, Michigan. A state of art 3T Philips system, a 1.5T MR-Linac system with Philips console, and a 3T animal MR system are available for MR research. In addition, several clinical MRI systems with GE and Siemens platforms can also be used for research.

### Job Description

With ample opportunities to collaborate with MR physicists, basic scientists, and clinicians in the Corewell Health system, as well as researchers in Oakland University, Oakland University William Beaumont School of Medicine, and University of Michigan, the successful candidate will have the freedom to establish his/her own image processing program/lab at Corewell, using techniques such as advanced mathematical modeling, machine learning, and artificial intelligence to advance methodologies for medical imaging data processing that have values for clinical translation. The main responsibilities include:

- Establishing own research program/lab.
- Writing research manuscripts.
- Grant applications to support the candidate's research program/lab. After the initial three-year appointment, partial salary of this position is expected to be covered by grants and contracts.
- Opportunities to mentor graduate and medical physics resident trainees.
- Participation in departmental research activities such as meetings and seminars.

### Qualifications and Skills

- PhD in computer science, engineering, applied math, physics, or related fields.
- Minimum of two years of post-doctoral research experience in image processing.
- Proven track record of academic productivity as demonstrated by publications in scientific journals.
- Motivations to build or continue a research career by establishing an independent research program/lab.
- Excellent computer programming skills.
- Fluency in written and oral English.
- Excellent communication and inter-personal skills for working in a diverse environment.
- Track record in obtaining extramural funding is preferred, but not required.

To Apply

Please submit a cover letter, a full CV, a list of three references with contact information, and a career statement to [wei.huang@corewellhealth.org](mailto:wei.huang@corewellhealth.org). The career statement should include your past achievements and a summary of your future research related to this position.

Corewell Health is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information.