Biomedical Imaging Informatics Faculty Position

Moffitt Cancer Center, the top-ranked NCI-designated comprehensive cancer center in the Southeastern United States, is seeking a faculty member to lead a quantitative imaging research initiative within the newly formed Division of Quantitative Sciences. This position offers an exciting opportunity to build upon Moffitt’s significant data and analytics assets, accelerating scientific discovery and translation to the clinic.

Position Highlights:

The Division of Quantitative Sciences at Moffitt Cancer Center is seeking an open-rank, tenure-track faculty member with research interests related to biomedical imaging informatics, including radiomics, and/or pathomics with machine and deep learning. The Division currently includes the Department of Biostatistics and Bioinformatics and the Department of Integrated Mathematical Oncology, housing 20 faculty and approximately 40 staff engaged in a wide range of statistical and mathematical modeling, bioinformatics, and informatics research and collaborations on clinical and biological studies in cancer, including novel therapeutic and drug discoveries, prognostic and predictive biomarker developments, chemoprevention, high throughput genomics, proteomics, next-generation sequencing data-based investigations, epidemiological studies, comparative effectiveness research, clinical trial designs, and personalized medicine studies.

Moffitt Cancer Center’s Department of Radiology, recently ranked among the top cancer centers for NIH awards by the Academy for Radiology and Biomedical Imaging Research, offers an intellectually stimulating environment for faculty to develop and apply image-computing solutions to highly translational and clinically relevant problems in oncology. The 35 clinical faculty housed within the Department of Radiology, are actively engaged in research related to image analytics and extracting segmented images at the point of care, with enthusiasm for scientific team collaboration. Moffitt’s Department of Pathology includes an esoteric lab with a full suite of advanced capabilities in a CLIA environment, including AQUA and multispectral quantitative imaging. Moffitt also has a variety of Shared Resources to support basic and applied research, including the Imaging Response and Assessment Team (IRAT) Core and a high performance computing facility.

Endless opportunities to link quantitative imaging data with clinical and molecular data are possible with Moffitt’s enterprise wide data warehouse, the Health and Research Informatics (HRI) Platform. HRI currently houses information on more than 500,000 unique patients, including treatment information available from the electronic health records and Cancer Registry on more than 200,000 cancer patients, patient-reported data on 150,000 patients, and vast amounts of research and clinical grade sequencing and expression data on more than 20,000 patients. Moffitt’s biobank is one of the largest in the world, with more than 56,000 fresh frozen tumor tissues and 40,000 blood samples available for research through Moffitt’s Total Cancer Care (TCC) protocol. The TCC protocol also serves as the basis for the Oncology Research Information Exchange Network (ORIEN), a collaboration involving more than 14 academic cancer centers across the country, of which Moffitt is a founding member.

The faculty member is expected to lead an independent research program, leveraging Moffitt’s vast data resources to accelerate discoveries across the basic, clinical and population sciences at Moffitt Cancer Center. Moffitt is affiliated with the University of South Florida, with collaborative opportunities in the Department of Computer Science and Engineering. A University appointment is available in the appropriate rank as applicable. Methodological research in informatics is also expected.
The Ideal Candidate:

- We seek candidates who can lead a research program as Principal Investigator in biomedical imaging while also contributing to the many current clinical studies at Moffitt, as evidenced by a history of peer-reviewed publications and involvement in grant supported research projects.
- Preference will be given to applicants with an outstanding record conducting team science with experience in biomedical imaging, computational imaging, radiomics, pathomics, and machine learning as it applies to oncology.

Responsibilities:

- Collaborate on a variety of cancer clinical and hospital-related research projects
- Communicate clearly and openly
- Build relationships to promote a collaborative environment
- Maintain a rigorous extramurally funded research program

Credentials and Qualifications:

- Successful candidates must have an MD or Ph.D. in biomedical informatics, biomedical engineering, computer science, imaging science, electrical engineering or related field and relevant research training and experience in medical imaging analysis.

Academic rank beyond Assistant Member will be commensurate with experience and qualifications. Appointment at the Associate Member rank requires a minimum of five years of experience at the Assistant Member level. The position is tenure-earning. Salary is competitive with similar institutions.

To apply, visit our website MOFFITT.org/Careers and refer to requisition number #26001
Please be sure to attach your CV and cover letter.

Questions about the opportunity may be directed to the search committee chair, Dr. Dana Rollison at Dana.Rollison@Moffitt.org

Equal Employment Opportunity

Moffitt Cancer Center 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, or protected veteran or disabled status. We seek candidates whose skills, and personal and professional experience, have prepared them to contribute to our commitment to diversity and excellence.