Research Associate (Postdoctoral Fellow) Position Opening

Molecular imaging of brain tumors, with emphasis on MR CEST imaging

Lab of Michael Veronesi M.D., Ph.D.
University of Wisconsin School of Medicine and Public Health
Department of Radiology and Medical Physics
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- **Position Requirements**: Knowledge of:
  - Physics/engineering/analysis of MRI data, especially CEST
  - Artificial intelligence, including deep learning

- **Not required but should be of interest**:
  - Physics/engineering/analysis of PET data
  - Cancer biology and basic neuroscience/neuroanatomy
  - High motivation for scientific writing (i.e. manuscripts and proposals)

- **Preferred Skillset**:
  - MRI protocol development, acquisition, optimization
  - MRI Pulse sequence programming experience on GE and/or MR Solutions MRI scanners
  - Coding in Python and Matlab
  - Familiarity with radiomics/radiogenomics analysis

- **Position Duties**: A postdoctoral fellowship position is available in the Departments of Medical Physics and Radiology at the University of Wisconsin School of Medicine and Public Health. We are looking for candidates interested in molecular imaging (emphasis on MRI but can also be PET). The post-doctoral fellow will further the understanding of advanced multi-modality imaging specific to brain tumor diagnosis and theranostics at the University of Wisconsin School of Medicine and Public Health within the Department of Radiology
  
  - This is a translational research position such that the fellow will perform 75% clinical research and 25% preclinical research.
  - The clinical research will be performed on imaging results from human brain tumor patients following imaging on the GE PET/MR scanner (i.e. 18F-FET PET, 18F-FAPI, 18F-Fluciclovine on the PET side, and MR CEST, AI, radiomics on the MRI side).
  - The fellow will have access to faculty mentorship in the Dept. of Radiology, Dept. of physics, and Dept. of Engineering.
- The preclinical research will include use of a rat brain tumor model for development of diagnostic PET/MRI agents/sequences or theranostics with high translation potential.
- The fellow will facilitate a PhD candidate who will perform 75% preclinical research and 25% clinical research.
- The PhD Candidate will have a focus on brain tumor cell culture in vitro and animal model development in vivo coupled with in vivo imaging and therapy. The PhD candidate will have overlap with the Dept. of Neurosurgery and Neuro-Oncology.

- **Application Instructions**: Interested candidates should send a curriculum vitae (CV), a cover letter describing your research interests, background, and qualifications, and 3 references to: Michael Veronesi, MD, PhD, at mveronesi@wisc.edu and Shelley Blondeau at sblondeau@uwhealth.org

- **Website**: [https://www.veronesiresearchlaboratory.com/](https://www.veronesiresearchlaboratory.com/)

- **Salary**: NIH Rates

- **Percent Time**: 100%

- **Start Date**: 06/01/2023

- **Contact Name**: Michael Veronesi, MD, PhD

- **Contact Email**: mveronesi@wisc.edu