



Department of Biochemistry

## **Postdoctoral Research in Cancer Cell Signaling and Metabolism**

### **MEDICAL COLLEGE OF WISCONSIN**

A POSTDOC research opportunity is available to explore the mechanisms of cell signaling and metabolic alterations in cancer. Our research focuses on understanding how mortalin/HSPA9 facilitates tumor cell proliferation and survival in tumors driven by aberrant MEK/ERK activity. For example, we recently demonstrated that MEK/ERK deregulation puts tumor cells at risk of mitochondrial cell death and that mortalin can counteract this risk (PMID: 32156782; PMID: 32291414). We also strive to translate our findings into a novel therapeutic strategy (PMID: 38378752). Current projects investigate the molecular mechanisms underlying these processes, specifically focusing on the nature of mitochondrial stress and its impact on tumor cell metabolism and further advancing the therapeutic strategy. Postdoctoral research projects will stem from these findings. More about our ongoing research is available at <https://www.mcw.edu/departments/biochemistry/faculty/jong-in-park-phd>.

Prior experience in cell signaling, metabolism, and gene regulation using omics, molecular/cellular biology, and biochemistry techniques is desired, although unnecessary. Experiences with cancer cell biological studies using cell lines and murine xenograft models will also fit well. If interested, please send curriculum vitae, a cover letter describing research interests, and contact information of three references to [jjpark@mcw.edu](mailto:jjpark@mcw.edu).

The Medical College of Wisconsin is the largest private research institution in Wisconsin and is home to nine internationally and federally designated Centers of Biomedical Research. The Medical College of Wisconsin is an Equal Opportunity-Affirmative Action Employer M/F/D/V.

Dr. Jong-In Park  
Medical College of Wisconsin  
Department of Biochemistry  
8701 Watertown Plank Road  
Milwaukee, WI 53226  
Email: ([jjpark@mcw.edu](mailto:jjpark@mcw.edu))