

Postdoctoral research in cancer cell signaling and  
metabolism  
Medical College of Wisconsin

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Posted Mar. 13, 2023, set to expire Jul. 13, 2023

<b>Job Title</b>	Postdoctoral research in cancer cell signaling and metabolism
<b>Department</b>	Biochemistry
<b>Institution</b>	Medical College of Wisconsin Milwaukee, Wisconsin
<b>Date Posted</b>	Mar. 13, 2023
<b>Application Deadline</b>	Open until filled
<b>Position Start Date</b>	Available immediately
<b>Job Categories</b>	Post-Doc
<b>Academic Field(s)</b>	Biology - Molecular Biology - Cell Biology Biology - General
<b>Apply By Email</b>	<a href="mailto:jjpark@mcw.edu">jjpark@mcw.edu</a>

**Job Description**

POSTDOC research opportunities are available immediately 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, especially 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, but mortalin can counteract this risk (PMID: 32156782; PMID: 32291414). Current projects investigate the molecular mechanisms underlying these processes, specifically focusing on the nature of mitochondrial stress and its impact on tumor cell metabolism. Postdoctoral research projects will stem from these findings and will also evaluate the potential of this stress to be exploited for tumor suppression. More about our ongoing research is available at <https://www.mcw.edu/departments/biochemistry/faculty/jong-in-park-phd>.

Prior experiences in cell signaling and metabolism using molecular/cellular biology and biochemistry

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techniques and Omics are desired, although not necessary. 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).

### **EEO/AA Policy**

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.

### **Contact Information**

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

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**Contact E-mail** [jjpark@mcw.edu](mailto:jjpark@mcw.edu)