

Postdoc, Research Engineer and Graduate Students
positions in Biomedical Imaging
Wright State University

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Posted Jan. 19, 2021, set to expire May 21, 2021

Job Title	Postdoc, Research Engineer and Graduate Students positions in Biomedical Imaging
Department	Biomedical, Industrial and Human Factors Engineering
Institution	Wright State University Dayton, Ohio
Date Posted	Jan. 19, 2021
Application Deadline	Open until filled
Position Start Date	Available Immediately
Job Categories	Graduate Student Post-Doc
Academic Field(s)	Robotics Optics & Optical Engineering Engineering Physics Engineering Mechanics Electrical and/or Electronics Bioengineering (all Bio-related fields) Engineering - Other
Job Website	https://biomil.org
Apply By Email	ulas.sunar@wright.edu

Job Description

Immediate positions are available from NIH funded projects related to cancer imaging and neuroimaging. With the collaborative efforts by Wright State University, SUNY-University at Buffalo, University of Cincinnati, Ohio State University, we focus on noninvasive optical imaging of cancer at preclinical and clinical settings. We are looking for candidates to take an active part in optical imaging.



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The position offers a stimulating work environment integrating engineering and physics with medicine, engineering and biology. The candidate will have a unique opportunity in both basic lab and translational research by collaborating with scientists and clinicians located in close proximity at the common infrastructure and collaborative institutes including Medical and Research Centers in these institutes.

More info for the project:

<https://webapp2.wright.edu/web1/newsroom/2020/07/28/wright-state-researcher-ulas-sunar-wins-1-7-million-grant-to-demonstrate-novel-approach-for-imaging-and-treating-ovarian-cancer>

Sample Publications:

Functional brain Imaging: <http://onlinelibrary.wiley.com/doi/10.1002/jbio.201700165/abstract>

<https://www.osapublishing.org/boe/abstract.cfm?uri=boe-7-10-3871>

Cancer Imaging: Nature Scientific Reports: <https://www.nature.com/articles/s41598-017-15790-y>

<https://www.osapublishing.org/boe/abstract.cfm?uri=boe-8-6-3045>

Deep Learning/Machine Learning:

<https://www.osapublishing.org/boe/fulltext.cfm?uri=boe-11-10-5557&id=439593>

<https://www.osapublishing.org/boe/fulltext.cfm?uri=boe-7-10-3871&id=349824>

Qualifications: The qualified candidates should be highly motivated and enthusiastic, with interests in optical imaging and biophotonics. Strong background in one of the following fields is needed: Biomedical Engineering, Electrical Engineering, Computer Science, Physics, Optical Engineering or related fields. At least one of the skills below is required.

- Experience in structured light illumination, spatial light modulators (DMD), digital light projection (DLP) [Highly desired]
- Experience in endoscopy, microscopy
- Optical, opto-mechanical, electro-optic systems, CCD cameras, LEDs, lasers.
- Strong programming skills with Labview and Matlab for data acquisition and signal/image processing.
- Experience in (tissue) optics, biomedical optics.

To Apply: Please email your CV and cover letter describing your background to:

Ulas Sunar, PhD

Associate Professor,

Dept. of Biomedical, Industrial & Human Factors Engineering

Ohio Research Scholar, Endowed Chair in Medical Imaging

Biomedical Imaging Lab: <https://biomil.org>

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Contact Information

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

Contact Ulas Sunar
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Wright State University
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