

Research Technician- Roberts Lab

We are seeking a highly-motivated, Research Technician to join the a new lab of Dr. Sheryl Roberts at the Karmanos Cancer Institute (KCI) and Wayne State University. This individual will work as part of a team of chemist, biologist, and imagers seeking to harness the power of nuclear medicine for therapy and track its therapeutic responses using optoacoustics. The lab focuses on novel imaging techniques with new sensor technologies. More information on the Roberts lab can be found on their website: <https://imaginglab.org/>

Your Role

The successful candidate will participate in:

Lab Management and Training

- Assists the Principal Investigator (PI) in the management of the laboratory
- Reinforce the management, general cleanliness and safety rules of the lab.
- Supporting our new lab and ongoing scientific projects in the lab
- Manage, develop, and implement strategies for purchasing and inventory
- Maintain the general management, up-keep and clean-up of the cell culture and cell culture room
- Management of capital equipment and yearly maintenance
- Monitor the project budget
- Facilitate the environment for other lab member's research (i.e. personnel management)
- Actively contributes to and participates in continuous improvement initiatives
- Willingness to go above and beyond to ensure the smooth function of the lab both in short term (day-to-day basis) and in long-term.
- Interact with other groups and Cores to facilitate projects
- Support research projects in the lab with Senior Scientist and PI
- Improve existing and establish new experimental pipelines (purification, imaging, mice surgeries, protocol)
- If applicable, expected to present their work in internal group meetings and external seminars/conferences

Scientific Research

- Perform their own research project in the lab
- Conduct collaborative project
- Improve existing and establish new experimental pipelines (purification, imaging, mice surgeries, protocol)



- Expected to present their work in internal group meetings and external seminars/conferences

You have

Preferred Qualifications

- Bachelor of Science degree in Biology, Biochemistry, Physics or related field.
- Pre-medical students are also encouraged to apply
- A minimum of one year of undergraduate research experience is required.
- Ability to coordinate complex assignments on a day-to-day basis.
- Demonstrates time management, management, aptitude, and motivation to master the required skills, essential duties, and responsibilities. Reasonable training and supervision will be provided.
- Self-motivated, proactive, detail-oriented, and able to perform complex tasks effectively and independently. Ability to follow instruction with an eagerness to learn and grow professionally.
- Current GPA and contact information for three references are required.

Laboratory Skills

- Strong organizational skills and ability to work rigorously, both independently and in collaboration
- Strong communication, interpersonal skills and resilience
- High motivation, proactive, solution-oriented approach
- Candidates with experience in cell culture, imaging and animal work is preferred

Interested Candidates are invited to submit a Cover Letter describing previous research experience and career goals, curriculum vitae, along with names of three referees to:

Sheryl Roberts, MChem, Ph.D.
Assistant Professor in Oncology, School of Medicine,
Wayne State University
[sherylroberts\(at\)wayne.edu](mailto:sherylroberts(at)wayne.edu)

When submitting your application, please include contact information for three professional references