Confocal Core Co-Director/Senior Research Associate

Job ID# 29859 - apply on UMKC website:
https://info.umkc.edu/hr/careers/academic-positions/

Position:
We are seeking a highly motivated and dedicated individual to join us as a Senior Research Associate and Co-Director of the Confocal Imaging Core in the UMKC School of Dentistry. The individual will be part of a dynamic research team working within the mineralized tissue research program in the Department of Oral and Craniofacial Sciences, School of Dentistry, University of Missouri, Kansas City and will also support the research of investigators on the UMKC campus. The individual will work on NIH funded projects with an emphasis on live cell confocal and multiphoton imaging. These projects are focused on the role of exosomes in bone cell function and in muscle-bone interactions in normal, aging and diseased states in bone, examining mitochondrial function in these same models as well as projects investigating the dynamic properties of bone cells and live cell imaging of extracellular matrix assembly. The individual will also be encouraged to establish their own independent research projects.

Qualifications:
The successful candidate should have a Ph.D. in a biomedical sciences related discipline and have extensive expertise in confocal and multiphoton microscopy. Prior experience in live cell imaging and intravital imaging is highly desirable. Familiarity with image analysis software, such as ImageJ, Imaris and LAS-AF would be desirable and experience in video bioinformatics would also be a plus. The individual must be able to work in a team research setting and to train other researchers and students on using the instruments, therefore excellent communication skills are necessary as well as a commitment to a career in research in the health-related professions.

Responsibilities:
- Co-Direct and manage a confocal imaging core facility that supports researchers in the UMKC School of Dentistry and other investigators on the UMKC campus.
- Operate and maintain the confocal and multiphoton microscopes (note – they are under service contract)
- Provide training to new users of the confocal and multiphoton microscopes, oversee independent users and provide operator-assisted imaging for users as required
- Schedule use of the microscopes and perform billing of user fees on a monthly basis.
- Assist with research projects in the laboratory of the Core Director, Dr. Sarah Dallas.
- Consult with new users to assist with designing their experiments and advising them on the optimal imaging approach for their research.
- Assist with preparation of manuscripts, reports and grant applications.
- Present research findings at national and international meetings

Application instructions:
To apply, please submit a brief cover letter, a current CV and contact information for 2-3 referees. Applications should be submitted through the UMKC website https://info.umkc.edu/hr/careers/academic-positions/
Select “view jobs” then search for the job ID# 29859
For further information contact Dr. Sarah Dallas: dallass@umkc.edu