

Postdoctoral Research Scholars

Jason H. Mateika PhD is an Associate Chair for Research in the Department of Internal Medicine and a Professor in the Department of Physiology at Wayne State University, and a Veterans Affairs Research Career Scientist. Dr. Mateika is presently funded by the US Department of Veterans Affairs and the National Institutes of Health for two primary proposals. He is seeking post-doctoral fellows interested in working on one of the proposals listed below.

The first proposal is designed to investigate the impact of genetically or spinal cord injury induced reductions in central nervous system serotonin on mechanisms that influence breathing stability and cardiovascular/autonomic function during sleep in mice. He is seeking post-doctoral fellows interested in this area of research. Ideally, the post-doctoral fellow will have expertise in one or more of the following methods: telemetry implantation, plethysmography, echocardiography, dissection, sectioning and immunohistochemistry.

Desired Qualifications:

1. Ability to work independently and as part of a collaborative team.
2. Excellent communication skills, both verbal and written.
3. Willing to perform in vivo experiments in an animal research laboratory.
4. Reliable and willing to work flexible hours.
5. Prior experience with telemetry implantation, plethysmography, echocardiography, dissection, sectioning and immunohistochemistry.

The second proposal is designed to explore if repeated daily exposure to mild intermittent hypoxia enhances the impact of continuous positive airway pressure on co-morbidities linked to sleep apnea in humans with intact or injured spinal cords. He is seeking post-doctoral fellows interested in this area of research. Ideally, the post-doctoral fellow will have expertise in one or more of the following methods: microneurography, non-invasive measures of respiratory, cardiovascular and autonomic function during wakefulness and sleep.

Desired Qualifications:

1. Ability to work independently and as part of a collaborative team.
2. Excellent communication skills, both verbal and written.
3. Willing to perform experiments in a human research laboratory.
4. Reliable and willing to work flexible hours.
5. Prior experience in microneurography and non-invasive measures of respiratory, cardiovascular and autonomic function during wakefulness and sleep.

Contact Information

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