Post-doctoral position in Lung Injury and Pulmonary Mechanobiology

We are seeking a highly motivated post-doctoral fellow to study the molecular pathogenesis of the acute respiratory distress syndrome (ARDS) and ventilator-induced lung injury in a multi-disciplinary laboratory. The Englert Lab is funded by the NHLBI and focuses on elucidating the molecular mechanisms by which mechanical ventilation can lead to the development of lung injury with the ultimate goal of improving the treatments of critically-ill patients. The ideal candidate will independently perform studies utilizing established pre-clinical models and micro-physiologic systems while also having an opportunity to refine and develop novel systems. Our laboratory is well-resourced to conduct these studies and has access to human biospecimens to confirm relevance of findings from in vitro and in vivo models in human disease. The candidate will have an opportunity to learn or become more proficient in the techniques used in the lab including: physiologic measurements of lung function, fluorescence imaging, surfactometry, transcriptomics, and standard biochemical/molecular approaches.

The applicant should preferably have a strong background in molecular biology and a track record of publications. Prior experience using animal models of lung injury and/or primary isolation and culture of lung-derived cells are highly desirable. A competitive salary and benefits will be offered based on the NIH postdoctoral pay scale. The candidate will be expected to attend and present at local and national scientific meetings and funds are available for travel. Approximately 95% of the postdoctoral scholar’s time will be devoted to research. Approximately 5% of the postdoctoral scholar’s time will be devoted to mentoring of students in the laboratory.

Please send a description of career goals and CV to: joshua.englert@osumc.edu
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