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Cigarette Smoke-Induced Lung Endothelial and Alveolar Epithelial Injury
Submission Deadline: November 1, 2010

The American Journal of Physiology—Lung Cellular and Molecular Physiology is soliciting submission of original manuscripts addressing the physiological, cellular, and molecular mechanisms by which cigarette smoke exposure causes an acute and chronic increase in lung endothelial and alveolar epithelial injury.

This Call for Papers is in recognition of the importance of learning the mechanisms by which environmental factors can alter the barrier properties of the lung endothelium and the alveolar epithelium. Appropriate research submissions would focus on how acute, subacute, or chronic cigarette smoke exposure can alter fluid and protein flux across the lung endothelium and/or the alveolar epithelium. The studies could be focused on inflammatory, oxidant, biochemical, and/or novel pathways of injury. The call also includes interest in how cigarette smoke exposure may alter host defense against pathogens (bacterial and viral) that in turn can cause lung injury and pulmonary edema. In addition, submissions on how cigarette smoke exposure alters alveolar fluid clearance and mechanisms of alveolar epithelial permeability and vectorial fluid and solute transport would be responsive to this call. This Call also encourages submissions in the Translational Physiology category with inclusion of human subjects.

To be eligible for inclusion in the Call for Papers, manuscripts must be submitted by November 1, 2010.

Note to Authors: All manuscripts should be submitted online via eJournalPress, http://ajplung.msubmit.net; during the online submission, under the “Keywords, Categories, & Special Section” tab, please choose “Cigarette Smoke-Induced Lung Endothelial and Alveolar Epithelial Injury” under “categories.”

The manuscript will undergo normal peer review. If published, the article will be highlighted together in print with other papers appearing in response to this Call and will carry a banner indicating the paper was submitted in response to this Call for Papers. Submissions will be reviewed as they are received and will be published online immediately upon acceptance.

If you have any questions or already have a manuscript in this area submitted to the American Journal of Physiology—Lung Cellular and Molecular Physiology and would like to have it included in this series, please contact the Editor-in-Chief, Dr. Michael Matthay (e-mail: michael.matthay@ucsf.edu).
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