



- Assistant Professor
- Department of Medicine
- Division of Pulmonary, Critical Care & Sleep Medicine

Conditions Treated:

Research Areas:

- Endothelial Barrier Function
- Nicotine and e-cigarette induced lung injury

Programs & Services:

- Department of Medicine
- Division of Pulmonary, Critical Care and Sleep Medicine (Adult)

Education

2002 Indiana University, PhD

Fellowship

2002 Indiana University,
2007 John Hopkins University,

Publications

Schweitzer KS, Chen SX, Law S, Van Demark M, Poirier C, Justice MJ, Hubbard WC, Kim ES, Lai X, Wang M, Kranz WD, Carroll CJ, Ray BD, Bittman R, Goodpaster J, Petrache I. 2015. Endothelial disruptive proinflammatory effects of nicotine and e-cigarette vapor exposures. Am J Physiol Lung Cell Mol Physiol. 309(2):L175-87.

Schweitzer KS, Hatoum H, Brown MB, Gupta M, Justice MJ, Beteck B, Van Demark M, Gu Y, Presson RG Jr, Hubbard WC, Petrache I. 2011. Mechanisms of lung endothelial barrier disruption induced by cigarette smoke: role of oxidative stress and ceramides. Am J Physiol Lung Cell Mol Physiol. 301(6):L836-46.

Schweitzer KS, Johnstone BH, Garrison J, Rush NI, Cooper S, Traktuev DO, Feng D, Adamowicz JJ, Van Demark M, Fisher AJ, Kamocki K, Brown MB, Presson RG Jr, Broxmeyer HE, March KL, Petrache I. 2011. Adipose stem cell treatment in mice attenuates lung and systemic injury induced by cigarette smoking. Am J Respir Crit Care Med. 183(2):215-25.

Petrache I, Kamocki K, Poirier C, Pewzner-Jung Y, Laviad EL, **Schweitzer** KS, Van Demark M, Justice MJ, Hubbard WC, Futerman AH. 2013. Ceramide synthases expression and role of ceramide synthase-2 in the lung: insight from human lung cells and mouse models. PLoS One;8(5):e62968.

Christofidou-Solomidou M, Pietrofesa RA, Arguiri E, **Schweitzer** KS, Berdyshev EV, McCarthy M, Corbitt A, Alwood JS, Yu Y, Globus RK, Solomides CC, Ullrich RL, Petrache I. 2015. Space radiation-associated lung injury in a murine model. Am J Physiol Lung Cell Mol Physiol. Mar 1;308(5):L416-28.

Doctor's Contact Information

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