

## Katie Lebold, MD PhD

Resident in Emergency Medicine

### Publications

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#### PUBLICATIONS

- **Inflammatory mechanisms linking maternal and childhood asthma.** *Journal of leukocyte biology*  
Lebold, K. M., Jacoby, D. B., Drake, M. G.  
2020; 108 (1): 113-121
- **Optogenetic Control of Airway Cholinergic Neurons In Vivo.** *American journal of respiratory cell and molecular biology*  
Pincus, A. B., Adhikary, S., Lebold, K. M., Fryer, A. D., Jacoby, D. B.  
2020; 62 (4): 423-429
- **IL-5 Exposure In Utero Increases Lung Nerve Density and Airway Reactivity in Adult Offspring.** *American journal of respiratory cell and molecular biology*  
Lebold, K. M., Drake, M. G., Hales-Beck, L. B., Fryer, A. D., Jacoby, D. B.  
2020; 62 (4): 493-502
- **Eosinophils increase airway sensory nerve density in mice and in human asthma** *SCIENCE TRANSLATIONAL MEDICINE*  
Drake, M. G., Scott, G. D., Blum, E. D., Lebold, K. M., Nie, Z., Lee, J. J., Fryer, A. D., Costello, R. W., Jacoby, D. B.  
2018; 10 (457)
- **Eosinophil and airway nerve interactions in asthma.** *Journal of leukocyte biology*  
Drake, M. G., Lebold, K. M., Roth-Carter, Q. R., Pincus, A. B., Blum, E. D., Proskocil, B. J., Jacoby, D. B., Fryer, A. D., Nie, Z.  
2018; 104 (1): 61-67
- **Toll-Like Receptor 7-Targeted Therapy in Respiratory Disease.** *Transfusion medicine and hemotherapy : offizielles Organ der Deutschen Gesellschaft fur Transfusionsmedizin und Immunhamatologie*  
Lebold, K. M., Jacoby, D. B., Drake, M. G.  
2016; 43 (2): 114-9
- **The influences of parental diet and vitamin E intake on the embryonic zebrafish transcriptome** *COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY D-GENOMICS & PROTEOMICS*  
Miller, G. W., Lisa Truong, Barton, C. L., Labut, E. M., Lebold, K. M., Traber, M. G., Tanguay, R. L.  
2014; 10: 22-29
- **Interactions between alpha-tocopherol, polyunsaturated fatty acids, and lipoxygenases during embryogenesis** *FREE RADICAL BIOLOGY AND MEDICINE*  
Lebold, K. M., Traber, M. G.  
2014; 66: 13-19
- **Novel liquid chromatography-mass spectrometry method shows that vitamin E deficiency depletes arachidonic and docosahexaenoic acids in zebrafish (Danio rerio) embryos** *REDOX BIOLOGY*  
Lebold, K. M., Kirkwood, J. S., Taylor, A. W., Choi, J., Barton, C. L., Miller, G. W., La Du, J., Jump, D. B., Stevens, J., Tanguay, R. L., Traber, M. G.  
2014; 2: 105-13
- **Chronic vitamin E deficiency promotes vitamin C deficiency in zebrafish leading to degenerative myopathy and impaired swimming behavior** *COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY C-TOXICOLOGY & PHARMACOLOGY*  
Lebold, K. M., Loehr, C. V., Barton, C. L., Miller, G. W., Labut, E. M., Tanguay, R. L., Traber, M. G.  
2013; 157 (4): 382-89
- **The alpha-Tocopherol Transfer Protein Is Essential for Vertebrate Embryogenesis** *PLOS ONE*  
Miller, G. W., Ulatowski, L., Labut, E. M., Lebold, K. M., Manor, D., Atkinson, J., Barton, C. L., Tanguay, R. L., Traber, M. G.

2012; 7 (10): e47402

- **Urinary alpha-carboxyethyl hydroxychroman can be used as a predictor of alpha-tocopherol adequacy, as demonstrated in the Energetics Study** *AMERICAN JOURNAL OF CLINICAL NUTRITION*  
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- **Poor lysosomal membrane integrity in proximal tubule cells of haptoglobin 2-2 genotype mice with diabetes mellitus** *FREE RADICAL BIOLOGY AND MEDICINE*  
Asleh, R., Nakhoul, F. M., Miller-Lotan, R., Awad, H., Farbstein, D., Levy, N. S., Nakhoul, N., Iancu, T. C., Manov, I., Laue, M., Traber, M. G., Lebold, K. M., Levy, et al  
2012; 53 (4): 779–86
- **Zebrafish (Danio rerio) fed vitamin E-deficient diets produce embryos with increased morphologic abnormalities and mortality** *JOURNAL OF NUTRITIONAL BIOCHEMISTRY*  
Miller, G. W., Labut, E. M., Lebold, K. M., Floeter, A., Tanguay, R. L., Traber, M. G.  
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- **Vitamin C Deficiency Activates the Purine Nucleotide Cycle in Zebrafish** *JOURNAL OF BIOLOGICAL CHEMISTRY*  
Kirkwood, J. S., Lebold, K. M., Miranda, C. L., Wright, C. L., Miller, G. W., Tanguay, R. L., Barton, C. L., Traber, M. G., Stevens, J. F.  
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- **Tocol-omic' Diversity in Wild Barley, Short Communication** *CHEMISTRY & BIODIVERSITY*  
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- **alpha-Tocopherol injections in rats up-regulate hepatic ABC transporters, but not cytochrome P450 enzymes** *FREE RADICAL BIOLOGY AND MEDICINE*  
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- **Vitamin E Deficiency Decreases Long-Chain PUFA in Zebrafish (Danio rerio)** *JOURNAL OF NUTRITION*  
Lebold, K. M., Jump, D. B., Miller, G. W., Wright, C. L., Labut, E. M., Barton, C. L., Tanguay, R. L., Traber, M. G.  
2011; 141 (12): 2113–18
- **Validity of Urinary Metabolites alpha-CEHC and alpha-CMBHC as Biomarkers of alpha-Tocopherol Consumption: Correlations with Dietary and Plasma alpha Tocopherol**  
Lebold, K. M., Traber, M. G., Ang, A., Chen, J., Arab, L.  
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- **The role of the alpha-tocopherol transfer protein during zebrafish embryogenesis**  
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- **Impact of Vitamin E Deficiency and Gender Differences on Fatty Acid Metabolism in Zebrafish**  
Lebold, K. M., Jump, D. B., Wright, C. L., Miller, G. W., Labut, E. M., Barton, C. L., Tanguay, R. L., Traber, M. G.  
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- **Individual Differences in Hyperlipidemia and Vitamin E Status in Response to Chronic Alcohol Self-Administration in Cynomolgus Monkeys** *ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH*  
Lebold, K. M., Grant, K. A., Freeman, W. M., Wiren, K. M., Miller, G. W., Kiley, C., Leonard, S. W., Traber, M. G.  
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- **Zebrafish as a model to determine the mechanisms of vitamin E function**  
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