



- *Division of Pediatric Pulmonary Medicine*
- *Department of Pediatrics*

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#### Conditions Treated:

#### Research Areas:

- *Host-pathogen interactions in the lung*
- *Inflammation*
- *Cystic Fibrosis (CF)*

My research is focused on pulmonary inflammation and the innate immune system of the lung, and how these are altering during chronic and acute disease states.

#### Education

2006 University of Illinois at Urbana-Champaign (Urbana, IL), BS

2010 University of Alabama at Birmingham (Birmingham, AL), PhD

#### Publications

Bratcher PE, Gaggar A. Factors influencing the measurement of plasma/serum surfactant protein d levels by ELISA. PLoS One. 2014 Nov 3

Bratcher PE, Gaggar A. Characterization and prevention of the adsorption of surfactant protein D to polypropylene. PLoS One. 2013 Sep 11

Bratcher PE, Weathington NM, Nick HJ, Jackson PL, Snelgrove RJ, Gaggar A. MMP-9 cleaves SP-D and abrogates its innate immune functions in vitro. PLoS One. 2012

Gaggar A, Hector A, Bratcher PE, Mall MA, Griese M, Hartl D. The role of matrix metalloproteinases in cystic fibrosis lung disease. Eur Respir J. 2011 Sep

Bratcher PE, Park IH, Oliver MB, Hortal M, Camilli R, Hollingshead SK, Camou T, Nahm MH. Evolution of the capsular gene locus of Streptococcus pneumonia serogroup 6. Microbiology. 2011 Jan

#### Doctor's Contact Information

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#### Locations

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