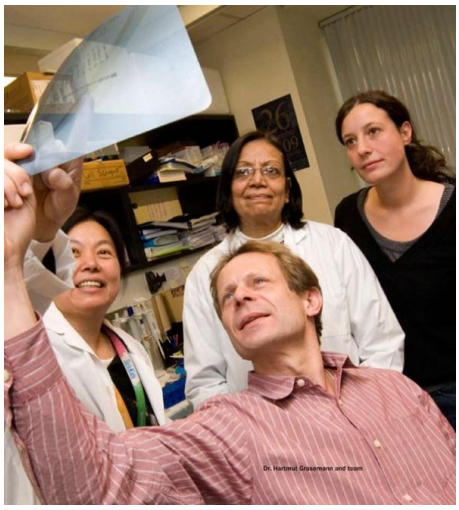
Hartmut Grasemann, MD, PhD



- The Hospital for Sick Children, Respiratory Medicine, Staff Respirologist
- Research Institute, Physiology & Experimental Medicine, Associate Scientist
- University of Toronto, Paediatrics, Associate Professor

My lab is interested in arginine metabolism and the role of nitric oxide for lung function and defense against bacterial infections in patients with Cystic fibrosis (CF). Airways of patients with CF are nitric oxide deficient. We are studying whether augmentation of nitric oxide production in the airways would improve pulmonary function.

Nitric oxide production can be increased by either supplementing L-arginine, a substrate for nitric oxide synthases or by inhibition of competing pathways.

As a paediatric respirologist, research is important to me because it has contributed and continues to contribute to new ideas, knowledge and better patient care. It was a coincidental finding that airway nitric oxide concentrations in CF patients are decreased. This discovery was made around 15 years ago, and since then, we have been trying to understand why this is and what the consequences are.

Click here for a complete list of Dr. Hartmut Grasemann's publications at NCBI PubMed.

SickKids Hospital > Hartmut Graseman Profile

University of Toronto > Division of Respirology > Hartmut Grasemann Profile