

Dr. Arthur Slutsky obtained Bachelor's and Master's degrees in engineering from the University of Toronto, and an MD degree from McMaster University. He did post-doctoral training at the Brigham and Women's hospital in Boston where he was an Assistant Professor of Medicine at Harvard University. He is currently Professor of Medicine, Surgery and Biomedical Engineering (University of Toronto).

His research has been highly translational, focusing on basic discoveries including: (1) importance of atelectrauma (injury caused opening-closing of lung units), (2) discovery of biotrauma (pulmonary mediators released during mechanical ventilation can lead to distal organ dysfunction), and (3) ventilator-induced pulmonary fibrosis. These findings were followed by clinical research and multi-centered RCTs addressing lung protection.

Dr. Slutsky has published >700 papers, 70 books/chapters which have increased the understanding of ARDS, mechanical ventilation, and ECMO. He has a (Google Scholar) H-index of 153, and his work has received >140,000 citations.