Dr. Haibo Zhang is a Professor of Anesthesia, Medicine and Physiology at the University of Toronto. He is a Staff Scientist in the Keenan Research Centre for Biomedical Science of St. Michael's Hospital. Dr. Zhang was elected as Fellow of Canadian Academy of Health Science in 2017. His translational research program focuses on the mechanisms and therapy of acute lung injury and sepsis, and bioengineered organ systems. He has published over 250 peer-reviewed articles and is the recipient of enormous research grants and research awards. He has trained over 90 MSc and PhD students, and post-doctoral fellows. He has served on the Standing Committee of Critical Care Assembly, the American Thoracic Society, an Associate Editor for Intensive Care Medicine, an official journal of European Society of Intensive Care Medicine. He served as at College of Reviewers at Canadian Institutes of Health Research and on expert panels for European granting agencies (Austria, Belgium, Germany, Holland, Israel, Italy and UK).