

# **Dr. Tom Waddell**

**Thoracic Surgeon at University Health Network**

Toronto, ON, CA

Leading authority on stem cell and regenerative approaches to lung disease

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## **Biography**

Dr. Waddell is the Pearson-Ginsberg Chair, Division of Thoracic Surgery, University of Toronto and Head of the Division of Thoracic Surgery at University Health Network, including Toronto General Hospital. Dr. Waddell received his MD from the University of Ottawa in 1987, where he received the Gold Medal in Surgery. He completed surgical internship at St. Michael's Hospital before joining the University of Toronto General Surgery Residency Program. He pursued basic laboratory training for 5 years as part of the Surgical Scientist Program, completing his MSc with Alec Patterson in 1992 and his PhD with Greg Downey in 1995.

He received numerous honours for his research work including the Governor General's Gold Medal and the Royal College Prize for Resident Research. He completed General Surgery training in 1997 and his Thoracic Surgery fellowship in 1998. Following completion of clinical training he undertook an additional year of laboratory research as a McLaughlin Fellow at Imperial College in London, England. He was appointed as Assistant Professor in 2000, promoted to Associate Professor in 2004, and was promoted to Full Professor in 2010. He has earned numerous distinctions, including the Blalock Scholarship from the American Association for Thoracic Surgery, a CIHR New investigator Award, a CFI New Opportunities Fund Award, the George Armstrong Peters Prize in the Department of Surgery, a Wightman-Berris Individual Teaching Award, and was recognized with the R. Fraser Elliott Chair in Transplantation Research in 2005 and the Richard and Heather Thomson Chair in Translational Research in 2010. In 2011, he received the highest research honour from the University of Toronto Department of Surgery, the Lister Prize.

He runs a large lab with funding from the Thoracic Surgery Foundation for Research and Education, CIHR, Heart and Stroke, the Canadian Cystic Fibrosis Foundation, the Roche Organ Transplantation Research Foundation, the PSI Foundation and the Ontario Institute for Cancer Research. His laboratory focuses on alternative approaches to the chronic shortage of donor lungs, especially stem cell and regenerative medicine approaches to lung disease. He leads the lung group for the McEwen Centre for Regenerative Medicine. His clinical interests include lung transplantation and lung volume reduction surgery, lung cancer and especially minimally invasive and robotic thoracic surgery.

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## **Industry Expertise**

Research, Health Care - Services, Health Care - Providers, Health Care - Facilities, Health and Wellness, Advanced Medical Equipment

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## **Areas of Expertise**

Clinical Research, Medical Education, Healthcare Management, Healthcare Information Technology, Molecular Biology, Lung Transplantation, Thoracic Surgery, Ecls, Minimally Invasive Thoracic Surgery

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## **Affiliations**

University of Toronto : Chair, Division of Thoracic Surgery, University of Toronto : Professor, Department of Surgery

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## **Event Appearances**

### **Course Director**

40th Annual Toronto Thoracic Surgery Refresher Course

**Minimal Dose Computed Tomography Is Superior to Chest X-ray For the Follow-up and Treatment of Patients with Resected Lung Cancer**

AATS Annual Meeting

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## **Education**

### **University of Toronto**

Ph.D. Neutrophil Signalling

### **University of Toronto**

M.Sc. Lung Injury

### **University of Toronto**

Residency Surgery

### **St. Michael's Hospital**

Internship Surgery

### **University of Ottawa**

MD Medicine

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## **Accomplishments**

### **The Lister Prize**

The University of Toronto Department of Surgery's highest honour

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