

# Vienna Toronto Lung Transplant Academy

- A comprehensive clinical training week in a high volume LuTX center
- Structured lectures
- Full participation in the ongoing clinical lung transplant program
- Wet lab with LuTX on ECMO and ex-vivo lung perfusion

[www.meduniwien.ac.at/lutxacademy](http://www.meduniwien.ac.at/lutxacademy)



Konrad Hoetzenecker



Marcelo Cypel

## Dear colleagues!

Lung transplantation (LuTx) is an established treatment for different forms of end-stage lung disease. Training and education of medical staff involved in this highly specialized treatment is of critical importance to achieve optimal results.

The programs in Toronto and Vienna, both high volume LuTx centers, offer a week full of an exceptional combination of clinical exposure to the ongoing programs, structured lectures, and experimental wet lab lung transplantation with use of ECMO and ex-vivo lung perfusion (EVLPE).

Konrad Hoetzenecker  
Surgical Director, Vienna Lung  
Transplant Program  
Professor for Lung Transplantation  
Medical University of Vienna/  
University Hospital Vienna

The course is designed for pulmonologists, surgeons, anesthesiologists, coordinators, and anyone else involved in the field. The intention is to appeal to colleagues from existing programs, who wish to deepen their knowledge of specific aspects, as well as to colleagues from programs that are just in the process of starting.

Participation is limited to a total of 12 people and acceptance will be on a first-come, first-served basis.

We wish all participants an interesting and exciting week with our teams!

Marcelo Cypel  
Surgical Director Ajmera Transplant  
Centre at UHN  
Canada Research Chair in Lung Trans-  
plantation  
University of Toronto, University Health  
Network

Vienna Toronto Lung Transplant Academy is an initiative of

Department of Thoracic Surgery, Medical University of Vienna/University Hospital Vienna  
and  
Toronto Lung Transplant Program/Toronto General Hospital

In cooperation of

Department of Biomedical Research

With the kind support of



# Vienna Toronto Lung Transplant Academy

## Practical information

### Course directors

Konrad Hoetzenecker  
Medical University of Vienna/  
University Hospital Vienna

Marcelo Cypel  
University of Toronto/Toronto General  
Hospital

Gyoergy Lang  
Medical University of Vienna/  
University Hospital Vienna

Shaf Keshavjee  
University of Toronto/Toronto General  
Hospital

### Course fee

4,500 EUR (Vienna site, including  
accommodation in 4\* hotel)  
3,000 USD (Toronto site, excluding  
accommodation)

including:

- attendance of the course and all clinical transplantations during the course week
- demonstration of experimental LuTX and EVLP (wet-lab training)
- handouts
- lunch on all days
- welcome and gala dinner
- accommodation in 4\* hotel (Vienna site)

### Registration

[www.meduniwien.ac.at/lutxacademy](http://www.meduniwien.ac.at/lutxacademy)

### Language

All courses and demonstrations will be held in English.

### Venue Vienna

Medical University of Vienna  
Department of Thoracic Surgery  
University Hospital Vienna, level 17A  
Waehringer Guertel 18-20,  
1090 Vienna, Austria

### Contact Vienna

Office: Agata Steranka  
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### Venue Toronto

University of Toronto  
Toronto General Hospital  
Ajmera Transplant Innovation Centre,  
room 9005  
200 Elizabeth St. 9N969  
Toronto ON M5G2C4, Canada

### Contact Toronto

Office: Marjan Vaseghi  
E-Mail: [marjan.vaseghi@uhn.ca](mailto:marjan.vaseghi@uhn.ca)

## Program

### Sunday, Evening

Arrival

## Course week highlights

### Lectures

- Indications and patient selection for LuTX
- Donor selection and organ procurement
- Ex-vivo lung perfusion
- Anesthesia in lung transplantation
- Surgical technique of lung transplantation including lobar transplantation
- Use of ECMO in lung transplantation
- How to avoid PGD
- ICU management of LuTX patients
- LuTX for PH & Surgical Approaches to improve right ventricular function
- Pediatric lung transplantation
- Immunosuppression in lung transplantation
- Acute cellular/humoral rejection and CLAD
- Early follow-up and surveillance bronchoscopies
- Long-term follow-up and infectious complications

### Clinical experience

- Radiology in lung transplantation
- Case presentation and discussion of recent cases
- Visits of transplanted patients on ICU and ward
- Patient assessment in the pre-transplant outpatient clinic
- Observing lung transplantation in the operation theatre
- Participation in donor selection and organ procurement

### Wet lab – hands-on-course

- Lung procurement in a pig model
- Experimental EVLP
- Lung transplantation with ECMO support in a pig model
- Surgical skill training on pig heart-lung blocks
- Technique of lobar transplantation

### Friday afternoon

End



- Between lectures, course participants will be organised into small working groups to participate in the clinical routine (outpatient clinic, bronchoscopy, ICU, ward, transplant coordination, operating theatres) according to their interests.

- The program is variable according to clinical needs and opportunities. Participants are fully involved in organ retrievals and clinical transplantations during the course period.

- Course participants will receive a manual describing the clinical standards and routine of LuTX at the division.