



# Travel Grant Report Form

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## Name and origin of applicants

[Hans Henrik Lawaetz Schultz]

## Purpose granted

[Exchange to the Leuven Transplant group]

## Amount granted

[10.000 DKK]

## Time and place of visit

[14<sup>th</sup> of December- 17<sup>th</sup> December,

Lab of lung transplantation  
Department of Pneumology,  
Box 706, Herestraat 49, 3000 Leuven]

## Report

[The Leuven Lung transplant group is with 60 transplants a year a high volume centre, and a world leading research institution in the field of chronic lung allograft dysfunction. The Leuven transplant group and their research lab have published several papers on radiological and histological findings of explanted lungs, and are one of the cornerstones in describing the pathophysiological and radiological changes in lungs with Bronchiolitis obliterans syndrome and restrictive allograft syndrome. My PhD has the same subject, and I had the opportunity to take part in the processing, slicing and Micro CT scans of a lung explanted from a transplanted patient and the 3D image processing of the micro CT scans. I also witnessed the design and structure of their research database, as well as I evaluated the early results of one of our joint research projects awaiting publication. On Tuesday the 16th of December we had a Joint research meeting with researchers and directors from the 17 lung transplant centres (including Copenhagen) in the 10 participating countries in the European Union's Horizon 2020 application for funding of research of lung transplant outcome.

Besides the Lab work I took part in patient contact in the out-patient clinic on monday, along with Dr Robin Vos, as well as i saw their newly transplanted patients in the lung transplant ward, and ICU.]

## Evaluation

[Personal evaluation and "lesson learned":

The visit was a great success in the connection with the lung transplant research group. They are 10 researchers full-time dedicated, and they - as well as the clinicians, update their database ongoing as an integrated part of the clinic. At each patient-doctor encounter the clinician update clinical data such as blood samples and pulmonary function tests, and pharmacological status. The researchers extend the database ongoing with BAL fluid sampling, genomics (DNA and micro-RNA, biomarkers, tissue sampling, and with CT scans and Micro CT scans of explanted lungs. It has been an experience of value, and a possible aim for our clinic to update our data in the same way. Furthermore it has paved the way for further joint research

I want to thank Scandia transplant for the travel grant that made it possible for me to visit Leuven and thereby facilitate idea exchange for further joint research]