



Travel Grant Report Form

Name and origin of applicants

[State name and origin of applicants]

Akademiska hospital, Uppsala Sweden, Clinical department of immunology, Tissue typing laboratory

Ulrika Orebrand, Laboratory Technician and Safia Khatoon, Laboratory Technician

Purpose granted

[State purpose of the study granted in the application]

Professional day for laboratory technicians in the network of Scandiatransplant

Amount granted

[Amount granted in DKK]

5500 DKK

Time and place of visit

[State time and place of visit]

Aarhus 2023-03-02

Report

[Report of the visit/study – 300 words]

Professional day for laboratory technicians in the network of Scandiatransplant is a meeting that's organized by different labs included in the network and this year it was hosted by Aarhus.

The Aarhus laboratory told us about their workflow in Next Generation Sequencing and about their future workflow regarding Third Generation Sequencing. The benefits using Third Generation Sequencing are the high resolution results of the HLA typing, the cons using it for deceased, acute donors are at this point the workflow with more hands on time and the amount of time it takes to receive the results compared to for example realtime PCR.

Ilse Duus Weinreich told us about interesting things going on in Scandiatransplant and showed us some statistic over time.

Later on we had a lecture about the immunological challenging STAMP patients and how their possibilities have changed for the better since the start of STAMP. The improvement be due to for example the 11 loci typings and the help of the transplantability score (TS). The STEP-program is another possibility that can help the highly immunized patients. A break in the STEP chain is very problematic and affects several patients and donors. It was interesting to hear some statistic from both the STAMP- and STEP-program, how it went for the patients.

We also heard about their routines in HLA-typing of biopsies when that is relevant and why. Regarding the Luminex field the pro-zone effect in Luminex was discussed. A presentation of the comparison between ordinary and rapid test with Luminex was made and followed by a discussion of the results and the benefits of this time saving improvement. We also had a discussion about virtual crossmatch, how the different laboratory works and how the future looks.

We got a guided tour in the laboratory which always is interesting and gives you ideas to bring home. At the end of the day we had group talks in different fields for example, deceased donor/on call, antibody testing, CDC and Flow crossmatch and finally we highlighted the most important things that had been discussed in the different constellations.

Evaluation

[Personal evaluation and "lesson learned"]

It is very valuable to be able to be a part of these types of meeting where laboratory staff are able to discuss topics that are included in everyday workflow in our narrow HLA field.
