

Short Term Scientific Mission (STSM) Report

STSM details

Title	Analysis of eczema patient samples
Participant	Maeve McAleer
Host / Location	Dr Sanja Kezic, Academic Medical Centre, Coronal Institute, Amsterdam, Netherlands
Period	9 – 13 March 2015
Reference code	ECOST-STSM-TD1206-090315-057776

Background

Our group studies atopic dermatitis in infants and children. We have recruited a cohort of 100 infants with moderate to severe atopic dermatitis. These infants had moderate to severe atopic dermatitis and were treatment naïve at recruitment. These children were followed up after treatment to induce remission. We have detailed genetic and skin biophysical measurements on these children. We also have tape strips of their stratum corneum and blood serum and PBMCs.

Objectives of the STSM

The purpose of the STSM was to analyse samples of the stratum corneum collected from the patients with atopic dermatitis, before and after therapy, by a novel technique. This technique is available at the Coronal Institute and not possible in Ireland. The aim was to discover the profile of inflammatory mediators in the skin. This of particular importance in atopic dermatitis. Furthermore, this is important in occupational contact dermatitis, where atopic dermatitis is the major predisposing risk factor.

Assignments during the STSM

- ✓ tape strip extractions
- ✓ multiplex ELISA using mesoscale technology

What I learned on the STSM

On the short-term scientific mission I learned more about the the technique, I analysed my samples and I generated data.

What I gained from the STSM for my current job

The STSM has progressed my PhD, by allowing me to analyse my samples, which I could not have done in Ireland.

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