

# Molecular Biology Workshop Programme



Marie Curie ITN CELLEUROPE

Improving HSCT by Validation of Biomarkers & Development Of Novel Cellular Therapies



**Aim:** To develop researcher knowledge of Molecular Biology and its application, alongside introducing new developments and technology in the field

**Venue:** The Medical School, Newcastle University, NE2 4HH

## Monday 29<sup>th</sup> June

(AM) MED.L3.2, Level 3, William Leech Building, The Medical School

(PM) Room B250, Bioscience West Wing, International Centre for Life

9.30 – 9.45	Coffee and Tea Overview of the Workshop Programme Prof. Anne Dickinson, Newcastle University
9.45–10.30	A History of Molecular Biology Jean Norden, Newcastle Hospitals Foundation Trust
10.30–10.50	Break- Coffee and Tea
10.50–11.20	Cytokine polymorphisms in GvHD Prof. Anne Dickinson, Newcastle University
11.20–12.00	Questions and Answer Session
12.00 -13.00	Lunch
13.00– 13.30	Walk to NewGene Laboratories, International Centre for Life
13.30– 14.00	The Background to Molecular Diagnostics and Sequencing Technologies Dr Ann Curtis, Scientific Director, NewGene
14.00-14.30	Next Generation Sequencing at NewGene Jane Lisgo, NewGene
14.30–14.45	Break- Coffee and Tea
14.45-15.30	Laboratory Tour Dr Ann Curtis/Jane Lisgo, NewGene

## Tuesday 30<sup>th</sup> June

MED.L3.2, Level 3, William Leech Building, The Medical School

9.30 – 10.15	Statistical Analysis of Genetic Data Dr. Kim Pearce, Newcastle University
10.15–10.45	Pharmacogenomics Dr Ann Daly, Newcastle University
10.45– 11.00	Break- Coffee and Tea
11.00–12.00	Affymetrix Technology Michael Evans, Affymetrix UK
12.00 -13.00	Lunch
13.00– 14.00	Nanostring Overview Jim White, Nanostring
14.00– 14.20	Tour of Nanostring Facility - MG260, Academic Haematology, Ground Floor, William Leech Building, The Medical School Kile Green, Newcastle University
14.20-15.00	Practical demonstration and analysis of Nanostring data Final question/answer session and close Dr Rachel Crossland, Newcastle University
15.00–15.15	Close- Coffee and Tea