

**Participant 9: TCD - Professor Mark Lawler** Professor in Experimental Haematology, St James's Hospital and Trinity College Dublin

Prof. Lawler is Director of the Cancer Research program at the recently established Institute for Molecular Medicine at St James's Hospital, which is part of the Dublin Molecular Medicine Centre. He has published widely in the area of haematological malignancy and is an international expert on the application of chimerism analysis following allogeneic stem cell transplantation. In addition he is director of the Cancer Molecular Diagnostics laboratory at St James's Hospital and it is envisaged that any assays developed during the course of the project will be tested for their applicability in this laboratory. He is also an active participant of the FPV EUROCHIMERISM and Concerted Action project standardising chimerism protocols across EU research centres.

Prof. Lawler has over 20 years experience in the training of researchers both at pre-doctoral and post-doctoral levels. This includes expertise in chimerism and MRD application in haematological malignancy and applications in cell and molecular approaches to experimental drug development in haematological malignancy. Core facilities are available for genomics proteomics and transcriptomics in the newly established Institute of Molecular Medicine a 4,500 sq m state of the art facility which is part of a new initiative the Dublin Molecular Medicine Centre, a centre dedicated to translational research in four main areas - Cancer, Inflammation, Genetics of Common Diseases and Vascular Biology. Part of the remit of the DMMC is to promote research through education and Prof Lawler is co-ordinator of the MSC in Molecular Medicine which forms part of the core curriculum of the PhD training program as well as being a stand alone MSC in Molecular Medicine.

**Prof Mark Lawler (TCD)** employs one PhD research fellow to develop and standardise chimerism studies between centres. Consumables, training, including the running of workshops and travel are included in the budget.

Early or experienced researchers could be accommodated although with the availability of core modules in the MSC in Molecular Medicine, early stage researchers would probably be more suitable

**Network Team:**

**Dr Karen Molloy** Senior Clinical Scientist 50% Chimerism analysis

**Dr Perna Tewari** Postdoctoral Research Fellow 100% Molecular biology of myeloma, CLI

**Dr Kathy Gately** Senior Research Fellow Molecular Biology of CML, Microarray, Real Time PCR

**Dr Mireille Crampe** Clinical Scientist Chimerism, Flow Cytometry

**Ms Fiona Cassidy** Medical laboratory Aide Tissue handling

**Ms Emma Delaney** Clinical Scientist Genotyping

**Ms Jacqui Ryan** Research Associate MRD analysis

**Relevant references**

1. Lawler M., Humphries P., McCann SR. Evaluation of mixed chimerism following allogeneic bone marrow transplantation by in vitro amplification of dinucleotide repeat sequences using the polymerase chain reaction. **Blood** (1991) 77; 2504-2514.
2. Lawler M. Prospective chimerism analysis, the time is now but can we respond?. **Leukemia**. 2001;15:1992-1994