

## Felipe Prosper

Professor Felipe Prosper graduated from the University of Navarra in 1989 and after his residency and PhD (1995), he completed a fellowship and postdoctoral training at the University of Minnesota.

Relocated to the Clinica Universidad de Navarra in 2001, he was responsible for the development of the Cell Therapy program, becoming the Head of the Hematology Department in 2003. In 2012, Professor Prosper was appointed as the Director of the programs of Hematology-Oncology and Regenerative Medicine at CIMA Universidad de Navarra.

Professor Prosper's principal research interest and key discoveries have been focused on two main research areas:

1. Molecular bases of the hematological malignancies: Within this research line, we have focused on understanding the role of epigenetic and transcriptional deregulation in myeloid malignancies, with an integrative study of diseases such as MDS and AML and Multiple Myeloma studying both hematopoietic progenitors as well as the bone marrow microenvironment, through low-input NGS technologies (RNA-seq, ATAC-seq, ChIP-seq) that allow for the study of minor populations, as well as single-cell RNA and DNA-seq approaches that allow to study the heterogeneity of these and other diseases.

2. Application of Cell Therapy and Regenerative Medicine in the field of human diseases: our group has been working on the potential of stem cells and iPS cells as therapeutics for a variety of applications and on the development of CART cells for the treatment of hematological diseases.

Overall, Dr. Prosper has published more than 380 peer review articles in top journals including New England Journal of Medicine, Nature Medicine, Nature Genetics, Blood, Journal of Clinical Oncology, Journal of Clinical Investigation, Leukemia, Genome Research or Oncogene among others with an H-factor of 78 and over 22.000 citations and has given more than 300 lectures.

His laboratory is funded through national and international grants including competitive programs such as, MMRF, IMF, European Union (FP6, FP7, H2020 and Horizon Europe programs), Spanish Ministry of Health and Ministry of Science among others; which sum up more than 50 grants. He has received multiple awards and prizes and has mentored over 33 PhD students and postdocs during his career.