



# ICGEB

International Centre for Genetic  
Engineering and Biotechnology

Developing  
Knowledge

## ICGEB International SEMINAR PROGRAMME 2017

Friday, 27 January 2017 | 12:00 noon | ICGEB Seminar Room, W building | Padriciano, 99, Trieste, ITALY



### Eric ELDERING

*Department of Experimental Immunology,  
Academic Medical Center,  
Amsterdam, THE NETHERLANDS*

Obtained a degree in Biology in 1987 and the PhD in 1992 with a thesis entitled "Structure Function studies on the serpin C1 inhibitor". Postdoctoral work at the institute Pasteur in Paris, at Sanquin and the Academic Medical Center (AMC) in Amsterdam led to tenure at the AMC in 2002, and full professorship in Molecular Immuno-Hematology in 2012. Our group at the Department of Experimental Immunology investigates apoptosis regulation in normal and pathological immune cells. Currently, there are two main lines of research. First, hemato-oncology mainly focused on Chronic Lymphocytic Leukemia (CLL), together with the Department of Hematology (professors Arnon Kater and Marie José Kersten). These fundamental and translational studies focus on novel treatment strategies that circumvent microenvironmental- and p53-induced chemoresistance. We do research on BH3 mimetics, kinase inhibitors and anti-CD20 antibodies. More recently, we started biochemical and genetic analyses of (novel) cancer mutations in CLL such as TP53, ATM, SF3B1 and Notch1. A second research line focuses on how apoptosis regulators shape the immune response. We uncovered a novel role for the Bcl-2 family members Noxa and Mcl-1 in selection of the fittest antigen-responsive clones from the naïve lymphocyte pool. Currently we study Bcl-2 family members in the context of B cell activation, effector and memory T cell formation, and changes in cellular metabolism. The seminar will focus on 1) the division of labor among Bcl-2 members in the human B cell germinal center, and 2) BH3 mimetics as drugs and profiling tools in CLL.

***"Bcl-2 members as drug target and biomarkers for response to Ibrutinib and Venetoclax in CLL"***

*Host: D. Efremov*

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More information at:

[seminars@icgeb.org](mailto:seminars@icgeb.org) | tel.: 040-3757377



Open event - Free entrance

