

PROPOSITIONS

TO THE THESIS “HEPATIC NK CELLS IN LIVER TRANSPLANTATION”

By Viviana Moroso

1. Hepatic NK cells derive from hematopoietic CD34⁺ stem cells that are continuously recruited from peripheral blood. *This thesis*
2. Liver-specific NK cells contain a unique subset of CD56^{bright} cells that are physiologically activated, highly cytotoxic and differ from CD56^{bright} NK cells in other tissues. *This thesis*
3. After LTX, donor hepatic NK cells determine both short-term chimerism, by detaching from the graft and entering the recipient's circulation, and long-term chimerism by persisting in the grafted liver. *This thesis*
4. Depletion of donor liver NK cells prior to liver transplantation does not affect spontaneous graft tolerance in the PVG to DA rat strain combination. *This thesis*
5. Donor-versus-recipient NK-cell alloreactivity does not play a substantial role in LTX acceptance. *This thesis*
6. NK cells represent a wonderful biological paradox in that they appear fully competent to kill target cells yet are clearly self-tolerant. *J.P Di Santo, Nature Immunology, 2008*
7. Expression frequencies of individual KIRs are independent of MHC class I and are instead established and maintained by a dynamic, yet not very well defined, transcriptional program. *Bryceson, Editorial to the Journal of Innate Immunity, 2011*
8. If you gather scientific knowledge but are unable to convey it to others [the public] in a correct and compelling form, you might as well not even have bothered to gather the information. *Randy Olson, “Don't be such a scientist: talking substance in an age of style”, 2009*
9. The scientific paper is a fraud. It gives a totally misleading narrative of the processes of thought that go into the making of scientific discoveries. *From a BBC talk in 1964 by Sir Peter Medawar (Nobel Laureate in Medicine - 1960)*
10. We only see what we know. *Johann Wolfgang von Goethe*
11. The beauty of a sunset, the delight of a meal, the sight from the top of a mountain...are nothing if you can't share them with whom you love.