

## Stellingen

Behorend bij het proefschrift

### The Role of Sp1 and Sp3 Transcription Factors in Hematopoiesis

1. Sp1 and Sp3 function redundantly in the adult hematopoietic system.  
*This thesis*
2. Mx1-Cre mediated simultaneous depletion of Sp1 and Sp3 results in severe hematopoietic defects.  
*This thesis*
3. Sp1 and Sp3 are crucial for B cell development as they redundantly regulate genes involved in cell proliferation, differentiation and survival.  
*This Thesis*
4. Combined depletion of Sp1 and Sp3 in the mouse megakaryocyte lineage provides a phenocopy of Bernard Soulier Syndrome.  
*This thesis*
5. Transcription factor Sp1 is essential for embryonic development but dispensable for cell growth and differentiation.  
*Marin et. al. Cell. 1997 May 16;89(4):619-28.*
6. Severe placental defects may be the underlying cause of most developmental abnormalities observed in Sp1::Sp3 compound heterozygous mouse embryos.  
*Krüger et. al. Dev Dyn. 2007 Aug;236(8):2235-44.*
7. Cardiac malformation may contribute to the post-natal lethality observed in Sp3 deficient embryos.  
*Van Loo et. al. Mol Cell Biol. 2007 Dec;27(24):8571-82*
8. The CRISPR/Cas system allows for the one-step generation of animals carrying mutations in multiple genes, an approach that will greatly accelerate the in vivo study of functionally redundant genes and of epistatic gene interactions.  
*Wang et. al. Cell. 2013 May 9;153(4):910-8.*
9. "The process of scientific discovery is, in effect, a continual flight from wonder".  
*Albert Einstein*
10. "A successful man is one who makes more money than his wife can spend. A successful woman is one who can find such a man".  
*Lana Turner*
11. "Our scientific power has outrun our spiritual power. We have guided missiles and misguided men".  
*Martin Luther King, Jr.*