

Stellingen

behorende bij het proefschrift:

Two sides of the same coin – Unravelling the role of transcription factors and miRNAs in activated monocytes, macrophages and microglia

1. PU.1 controls the myeloid-specific regulation of Dap12 directly.
This thesis
2. PU.1 is a key transcription factor for hematopoiesis and macrophage differentiation.
This thesis
Laslo P, et al., Cell. 2006 Aug 25;126(4):755-66
3. Immune activation is a characteristic of schizophrenia, bipolar disorder, unipolar major depressive disorder and first-onset postpartum psychosis.
Drexhage RC, et al., Expert Rev Neurother. 2010 Jan;10(1):59-76
This thesis
4. In monocytes, the TREM-1 promoter is bound by the transcription factors ATF3 and Egr3.
This thesis
5. MicroRNA-146a expression levels are significantly decreased in monocytes of postpartum psychosis patients.
This thesis
6. Mice with mutations in the *Hoxb8* gene exhibit compulsive grooming behavior and this behavior stems from *Hoxb8* deficiency in microglia.
Chen SK, et al., Cell. 2010 May 28;141(5):775-85
7. Depression is far from alone in being a condition characterized by reliable—but often only mildly increased— inflammatory activity.
Raison CL and Miller AH, Curr Psychiatry Rep. 2011 Dec;13(6):467-75.
8. The idea that the genome exerts its functions only via classical genes and proteins is a naive oversimplification of a fascinating system of feedforward and feedback loops that involves various RNA molecules.
Salta E and De Strooper B, Lancet Neurol. 2012 Feb;11(2):189-200.Review
9. Environmental factors can have long-lasting effects on gene expression and chromatin
Feil R and Fraga MF, Nat Rev Genet. 2012 Jan 4;13(2):97-109.doi:10.1038/nrg3142.Review
10. Laughter has shown physiological, psychological, social, spiritual, and quality-of-life benefits.
Mora-Ripoll R, Altern Ther Health Med. 2010 Nov-Dec;16(6):56-64.
11. A crisis is a productive state. You only have to take away the flavor of disaster.
Max Frisch