

Erythropoiesis and hemoglobin regulation: a journey from laboratory to disorders

1. HoxB4-ES cells partly recapitulate hematopoietic progenitor cell characteristics. (this thesis)
2. Hmg20b is a repressor of erythroid differentiation. (this thesis)
3. Bcl11a has a role in erythropoiesis and γ -globin expression. (this thesis)
4. Bcl11a and Klf1 act together in erythropoiesis and γ -globin regulation. (this thesis)
5. In β -thalassemia patients, hydroxyurea treatment functions mostly through activation of the stress response. (this thesis)
6. Far from being simply a passive supplier of food, the mouse placenta protects the developing fetus from brain damage if the mother is deprived of food. Broad KD and Keverne EB. PNAS. 2011;108(37):15237-41
7. Consciousness of a decision may be a mere biochemical afterthought, with no influence on a person's actions. (Smith k, Nature.2011: 477, 23-25)
8. Accurate predictive models of the highly complex and integrated biological systems within the human body are beyond the capability of current knowledge and technology.
9. Data obtained at RNA or protein level provide limited information on cellular states.
10. It is not a problem to make a mistake as long as you recognize it and respond accordingly. (Thamar Bryn van Dijk)
11. Be patient! (Sjaak Philipsen)