

Proposition accompanying the thesis Switching Gear: hemoglobin switching throughout erythropoiesis by Steven Heshusius

1. Understanding temporal gene expression is essential to fathom enucleation (Chapter2)
2. Large-scale erythroid cultures hold promise for alternative treatments beyond solely those for transfusion products for anemias (Chapter 2).
3. HUDEP, BELA and iPSC-derived erythroid cell lines allow mice to retire as models for human erythropoiesis (Chapter 5).
4. Erythroid niche signaling is an underestimated component of hemoglobin switching (Chapter 3&6)
5. Focusing on the core regulatory network of hemoglobin switching limits the innovation space for development of new therapies (Chapter 6).
6. 100% of the world's energy consumption can be provided by fully renewable sources, such as hydro, wind and solar energy.
7. New important insight is often obtained from uncertain and seemingly contradictory results because Information is the resolution of uncertainty. After Claude Shanon 1948
8. The covid-19 outbreak shows society what it is like to come together in a time of isolation.
9. Our brains hallucinate our conscious reality, it is when we agree on our hallucinations that we call this reality. After Anil Seth 2017
10. The real crisis of our times, of my generation, is not that we don't have it good, or even that we might be worse off later on. No, the real crisis is that we can't come up with anything better. Rutger Bregman, 2014
11. 'De leegheid van het leven van niet-wielrenners is schokkend.' Naar Tim Krabbé De Renner 1978