

Propositions – Stellingen

1. The coordinated expression of Gata2 and Venus in the Gata2-Venus ES cell line makes it a suitable model for studying the role of Gata2 during ES cell differentiation into embryoid bodies (EBs). (This thesis)
2. Gata2 expressing EB-derived cells possess both hematopoietic and endothelial potential. (This thesis)
3. The isolation and characterization of Gata2 expressing viable cells is now feasible due to the newly Gata2-Venus mouse model. (This thesis)
4. In Gata2-Venus mouse embryos Venus fluorochrome expression recapitulates Gata2 expression. (This thesis)
5. At mouse embryonic day 11, all HSCs are located in the Gata2 expressing cell population. (This thesis)
6. The Gata2 expressing cell population in the major vasculature is highly enriched in hematopoietic progenitors. (This thesis)
7. Gata2 independent hematopoietic progenitors can be detected in Gata2-/- embryos. (This thesis)
8. SCL, LYL1, LMO2, GATA2, RUNX1, ERG, and FLI-1 transcription factors that are important in hematopoiesis work in a combinatorial manner. (Wilson et al. *Cell Stem Cells*, 2010)
9. Big results require big ambitions. (Heraclitus)
10. Patience is the queen of virtues. (St John the Chrysostom)
11. Experience is simply a name we give our mistakes. (Oscar Wilde)

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