

Stellingen behorend bij het proefschrift

**Molecular genetics aberrations and their prognostic relevance
in pediatric acute myeloid leukemia**

1. International collaborations are essential to study rare diseases such as pediatric acute megakaryoblastic leukemia. (this thesis)
2. Pediatric non-Down Syndrome acute megakaryoblastic leukemia can be classified in a standard risk and a high risk group. (this thesis)
3. *RB1* deletions are a unique additional hit in pediatric *NUP98/KDM5A* positive acute megakaryoblastic leukemia, and required for offsetting the cell cycle arrest induced by the fusion gene. (this thesis)
4. Next generation sequencing contributes to unraveling aberrations which can be used for risk-group stratification. (this thesis)
5. *GATA1* mutations are not restricted to Down syndrome AMKL, but are often seen in combination with an acquired trisomy 21 in pediatric non-Down Syndrome AMKL. (this thesis)
6. Finding a target, not only specific for a relatively rare disease such as acute myeloid leukemia, but also present in other types of cancer, will increase the interest of pharmaceutical industries towards the development of targeted therapy.
7. Veelbelovend onderzoek in muizen leidt zelden tot een goed medicijn in mensen. (Prof. dr. B. Roep, NRC 14-11-2015)
8. Als je weinig hiërarchie hebt, leidt dat tot meer creativiteit (...) en vrijheid. (Mark Rutte, 13 juni 2014)
9. An expert is a man who has made all the mistakes which can be made in a very narrow field. (Niels Bohr)
10. It's hard to argue when you won't stop making sense. (Gary Lightbody)
11. Some people dream of success while others wake up and work hard at it. (Winston Churchill)

Jasmijn D.E. de Rooij