

Stellingen behorend bij het proefschrift:

**Gene-expression profiles and oncogenes
in pediatric T-cell acute lymphoblastic leukemia**

1. *MEF2C* and *NKX2-1* are oncogenes for children with immature and cortical T-cell acute lymphoblastic leukemia respectively (*this thesis*)
2. *MEF2C* binds and activates T-cell acute lymphoblastic leukemia oncogenes like *LMO2* and *HHEX* (*this thesis*)
3. *LYL1* rearrangements in T-cell acute lymphoblastic leukemia give rise to an expression profile alike *TALI*- and *LMO2*-rearranged leukemias, and not to an immature T-cell acute lymphoblastic leukemia signature (*this thesis*)
4. The prognostic significance of *NOTCH1* activating mutations depends on the treatment given (*this thesis*)
5. As the majority of T-cell acute lymphoblastic leukemia patients have high expression of a NK-like homeobox gene member, NK-like homeobox genes are far more important for the pathogenesis of this disease than thus far realized (*this thesis*)
6. Ara-G resistance does not preclude forodesine sensitivity in acute lymphoblastic leukemia and vice versa (*this thesis*)
7. The management of pathology presupposes the understanding of physiology (*Jonathan Miller, 1978*)
8. Genes are like humans, never more than five handshakes away from each other
9. Standing on the shoulders of giants and colleagues, one can see further than by oneself (*adapted from John of Salisbury, 1159*)
10. It's easy to be talked out of a good experiment (*Don Wylie*)
11. You have brains in your head, you have feet in your shoes, you can steer yourself any direction you choose (*Dr. Seuss*)

Irene Homminga, 2011