

STELLINGEN

behorend bij het proefschrift

Bone marrow failure syndromes and refractory cytopenia of childhood

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1. In the absence of features of telomere disease or Shwachman-Diamond syndrome, screening for mutations in *TERT*, *TERC*, and *SBDS* in sporadic AML is not indicated (this thesis).
2. Mutation screening strategies for the diagnosis of telomereopathies should include promoter regions of major genes related to telomere biology (this thesis).
3. Minor PNH clones are frequently present in refractory cytopenia of childhood and are associated with response to immunosuppressive therapy (this thesis).
4. T-cell receptor V β skewing is frequently present in refractory cytopenia of childhood, is associated with an expansion of effector cytotoxic T cells, and might indicate an immune mediated pathophysiology in a subset of patients (this thesis).
5. Flow cytometry immunophenotyping of bone marrow should be included in the diagnostic work-up of refractory cytopenia of childhood (this thesis).
6. Knowing the clonal architecture of each patient's tumour will be crucial for optimizing their treatment (Kandath, *Nature* 2013).
7. Mass cytometry, in which fluorochrome tags used in conventional flow cytometry are replaced by rare earth elements which eliminates spectral overlap, is poised to revolutionize our studies of disorders in the human immune system (Benoist, *Science* 2011).
8. Evaluation systems in which the mere number of a researcher's publications increases his or her score create a strong disincentive to pursue risky and potentially groundbreaking work (Alberts, *Science* 2013), and should therefore be changed.
9. Based on available data on the secondary prevention of coronary heart disease, stroke, heart failure, and prediabetes, physical activity is potentially as effective as many drug interventions (Naci and Ioannidis, *BMJ* 2013).
10. The placebo effect in doctor-patient communication is a silent healer (Jozien Bensing 2010).
11. Het doen van promotieonderzoek vertoont gelijkenissen met het lopen van een hardloopwedstrijd: 'One thing about racing is that it hurts. You better accept that from the beginning or you're not going anywhere' (Robert Owen Kennedy Jr., voormalig Amerikaans recordhouder op de 5 km in 12:58.21).