

## The Effects of Neutropenia and G-CSF on the Hematopoietic Stem Cell

1. Upon neutropenia HSCs are kept quiescent whilst downstream progenitors are rapidly cycling at an attempt to fill the void in the periphery – this thesis
2. The presence of neutrophils induces interferon signaling in the bone marrow- this thesis
3. Innate immunity comes at a cost –this thesis
4. Congenital G-CSF receptor mutations are a separate clinical entity in congenital neutropenia – this thesis
5. Long-term, chronic G-CSF exposure does not affect stem cell function nor is it in itself capable of malignant transformation – this thesis
6. Quantifying (less than) steady state interferon protein levels in the bone marrow has yet to be done
7. *The goal in science must be to dig as deep as necessary in a specific location, so that no other researcher has to dig in that exact spot ever again – Pieter de Mulder*
8. Great ideas arise when finding out what is impossible
9. *We often miss opportunity because it's dressed in overalls and looks like work – Thomas Edison*
10. The pressure to publish high impact sometimes surpasses the importance of publishing the work at all
11. Hoe het precies is gegaan ben ik vergeten, maar het was onvergetelijk

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