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Autophagy in normal hematopoiesis and leukemia

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Document Version

Publisher's PDF, also known as Version of record

Publication date:
2019

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Folkerts, H. (2019). *Autophagy in normal hematopoiesis and leukemia: Biological and therapeutic implications*. [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen.

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Stellingen behorende bij het proefschrift:

Autophagy in normal hematopoiesis and leukemia Biological and therapeutic implications

- 1 Functional autophagy is essential for survival of normal and leukemic human hematopoietic- (stem) cells. - *This thesis*
- 2 In cancer treatment, drugs targeting autophagy should specifically target tumor cells. - *Auberger et al, Blood 2017 and This thesis*
- 3 Amplified VMP1 expression interferes with venetoclax-mediated apoptosis in AML. - *This thesis*
- 4 In mice, autophagy actively suppresses HSC metabolism by clearing active, healthy mitochondria to maintain quiescence and stemness. - *Ho et al, Nature 2017.*
- 5 Primitive leukemic cells have higher autophagy levels than more differentiated cells. - *Baquero et al, Leukemia 2018, Pei et al, Cell Stem Cell 2018 and This thesis*
- 6 Life is maintained by a delicate balance between continuous synthesis and degradation. - *Yoshinori Ohsumi. Banquet speech, Nobel Prize in Physiology or Medicine 2016*
- 7 The beginning of knowledge is the discovery of something we do not understand. - *Frank Herbert, God Emperor of Dune 1981*
- 8 Wat niet kan is nog nooit gebeurd - *Daniël Lohues, Ericana 2013*
- 9 Somewhere, something incredible is waiting to be known. - *Carl Sagan, Rockford Register Star 1982*

Hendrik Folkerts