## Haematopoiesis



Haematopoietic stem cell A true stem cell that has a potential to self-renew The early progenitor committed to lymphoid and differentiate into any lineage of blood cells. lineage. Gives rise to precursors of T and B

Multipotent progenitor Can give rise to any blood cell lineage.

Lymphoid-primed multipotent progenitor Early progenitor cell that primarily differentiates The early progenitor capable of differentialong the lymphoid lineage. However, the potential to take on myeloid fate is not lost.

Common lymphoid progenitor lymphocytes and natural killer cells. Lymphoid progenitors leave the bone marrow for maturation in the thymus and lymph nodes.

Common myeloid progenitor ating into any cell of a myeloid lineage, red blood cell or megakaryocyte.

\* Ceredig R, Rolink AG and Brown G. (2009): Models of haematopoiesis: Seeing the wood for the trees. Nat Rev Immunol. 9(4): 293–300.

Granulocyte-monocyte progenitor This intermediate progenitor is committed to monocytic and granulocytic lineages.

<sup>-</sup> lymphocyte

Megakaryocyte-erythroid progenitor Intermediate progenitor that can only differentiate into a red blood cell or megakaryocyte.

Natural killer cell (NK-cell) A type of cytotoxic lymphocyte.





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