



Figure 3. Developmental plasticity of B lymphocytes. Committed $CD19^+$ B lymphocytes and committed DN3 thymocytes undergo rapid transdifferentiation in vitro to macrophages in response to forced $C/EBP\alpha$ expression (red arrows) (Xie et al. 2004). Conditional $Pax5$ deletion allows committed pro-B cells and mature B cells to dedifferentiate in vivo to uncommitted lymphoid progenitors (LPs; green arrows) that subsequently develop into other hematopoietic cell types in the bone marrow or T cells in the thymus (black arrows) (Cobaleda et al. 2007). Committed lymphocytes are shown in blue.