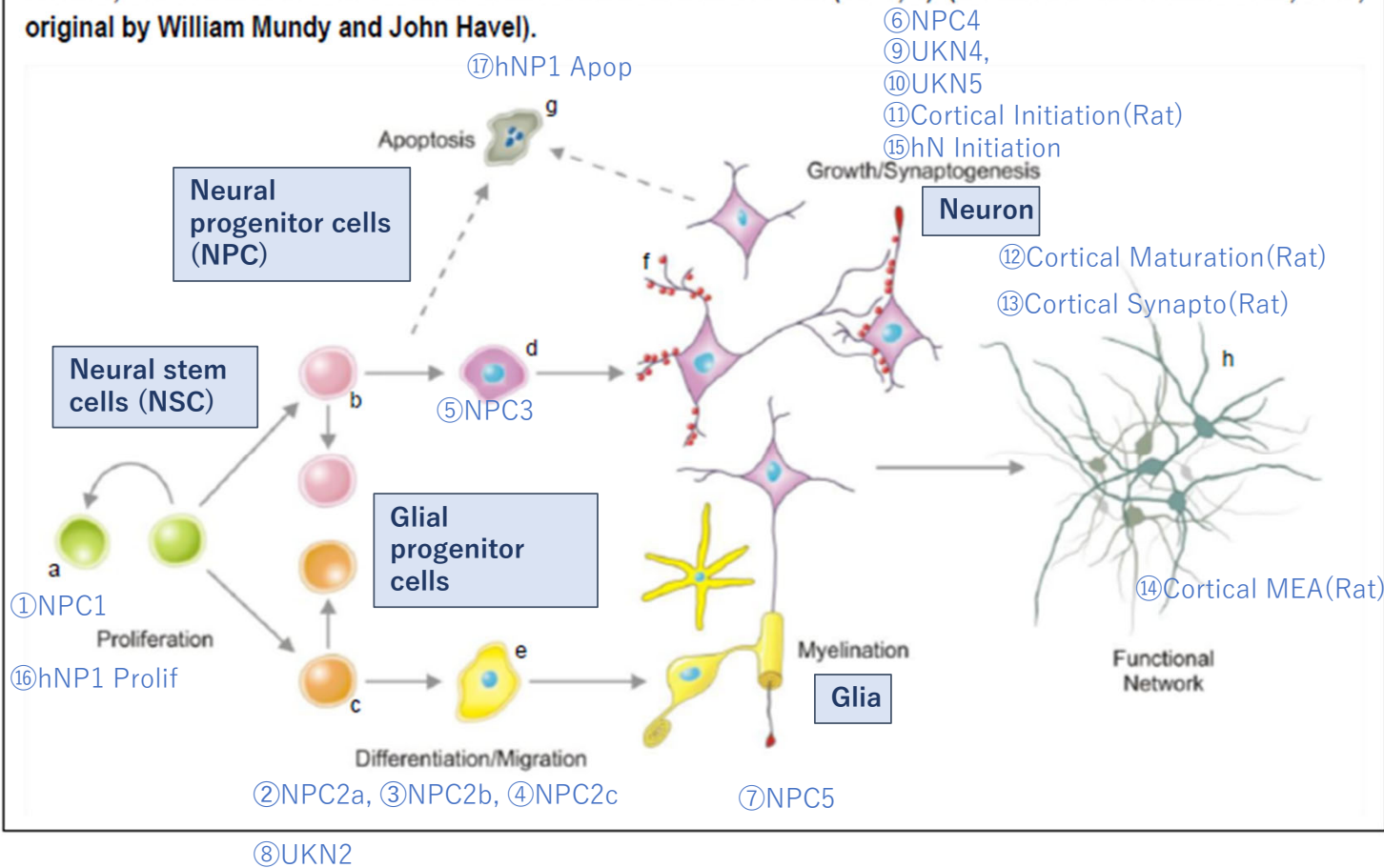


Figure 1.1. Fundamental neurodevelopmental processes necessary for proper nervous system development. In vivo studies have shown that several biological processes at the cellular level are essential for nervous system development. Neural stem cells (NSC, green, a) proliferate and differentiate into multiple types of neural progenitor cells (NPCs) including neuronal progenitors (light purple, b) and glial progenitors (orange, c). These proliferate, migrate, and differentiate into neurons (purple, d) and glia (yellow, e). As cells mature, they extend neurites and form synapses (red, f). Surplus cells undergo apoptosis (grey, g). When these events happen in a coordinated fashion, cell-cell interactions result in a functional neuronal network (olive, h). (modified from Aschner et al., 2017, original by William Mundy and John Havel).



青字：
「Initial Recommendations on Evaluation of Data from the Developmental Neurotoxicity (DNT) In-Vitro Testing Battery」
主にTable2.3及びFigure1.1を参照して左図に記載（17試験）

