



This week in techniques

		information
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or proper or	cedure for deriving dopaminergic neurons from ESCs could help at PD. In cell culture, human ESCs treated with a sonic hedgehog molog (SHH) agonist, fibroblast growth factor 8 (FGF8) and a cogen synthase kinase 3β (GSK3B) inhibitor yielded more midbrain paminergic neurons than ESCs treated with an SHH agonist and FGF8. mouse and rat models of PD, dopaminergic neurons produced by that thod had higher levels of engraftment and dopaminergic function in transplanted neurons made using a prior protocol. In a monkey del of PD, transplanted dopaminergic neurons showed good survival a connectivity after two months. Next steps include scaling up the cedure to produce sufficient volumes of dopaminergic neurons for itical trials as well as conducting <i>in vitro</i> drug screening assays.	cedure for deriving dopaminergic neurons from ESCs could help available for It PD. In cell culture, human ESCs treated with a sonic hedgehog molog (SHH) agonist, fibroblast growth factor 8 (FGF8) and a cogen synthase kinase 3β (GSK3B) inhibitor yielded more midbrain raminergic neurons than ESCs treated with an SHH agonist and FGF8. The mouse and rat models of PD, dopaminergic neurons produced by that thod had higher levels of engraftment and dopaminergic function in transplanted neurons made using a prior protocol. In a monkey del of PD, transplanted dopaminergic neurons showed good survival connectivity after two months. Next steps include scaling up the cedure to produce sufficient volumes of dopaminergic neurons for icical trials as well as conducting <i>in vitro</i> drug screening assays. **BX 4(46); doi:10.1038/scibx.2011.1308