**Lrig1 in Id1^{high} neural stem cells cultured in vitro**

Adapted from Nam and Benezra, 2009

**A**

Id1-VenusYFP fusion protein

Id1\(^{Venus}\) knock-in allele

Establish NSPC cultures with unfractionated lateral wall cells of \(Id1^{Venus/Venus}\) mice using FGF-2 and EGF

**B**

The Id1-Venus signal in these cells responds to exogenous factors (~24 h after changing)

**C**

Marker protein expression in cultured \(Id1^{V^w}\) NSPC fractions (+FE)

**D**

FACS sort of \(Id1^{high}\) fraction (+FE)

→ Microarray analyses of RNA from \(Id1^{high}\) and \(Id1^{low}\) fractions of \(Id1^{V^w}\) NSPC cultured with FGF-2 + EGF

→ Transcripts >1.5-fold enriched in the \(Id1^{high}\) fraction

→ Candidate genes for further studies, Lrig1, Cdk6, Clu, etc

**E**

Id1

**E’**

Lrig1

**E”**

Lrig1