

## ***Overview of Timeline for Generation of Chimeric Mice:***

From the time your lab identifies the positive embryonic stem cell clones which are genetically modified, the timeline will be as follows:

Time to expand positive ES cells	~ 1-2 weeks
Preparation of 1 microinjection day	1 week
Microinjection day	1 day
Pups born from microinjection day	~3 weeks
Identification of chimeras by coat color	1.5 - 2 weeks
Weaning and tagging of chimeras	~ 3-4 weeks from birth (depends on size of pups)
Begin breeding chimeras to check germline transmission	~3 weeks (mice are 6 weeks old and sexually mature)
Depending on when males plug females...	
Birth of F1 pups	~ 3 weeks
Weaning, tagging and tailing pups	~ 3-4 weeks (depends on size of pups)
DNA isolation from tails (Laird's method)	2 days
Notification DNA is ready for pickup	Immediately

***Approximate time to identify germline chimeras from expansion of positive ES cell clones:  
18 weeks from microinjection day***