

The Gene Editing Reagent Core (GERC)

Bring CRISPR-based gene editing to your research!



**Now with single cell
library capabilities!**

Lisette Maddison, PhD

Director, GERC

Center for Reproductive Biology

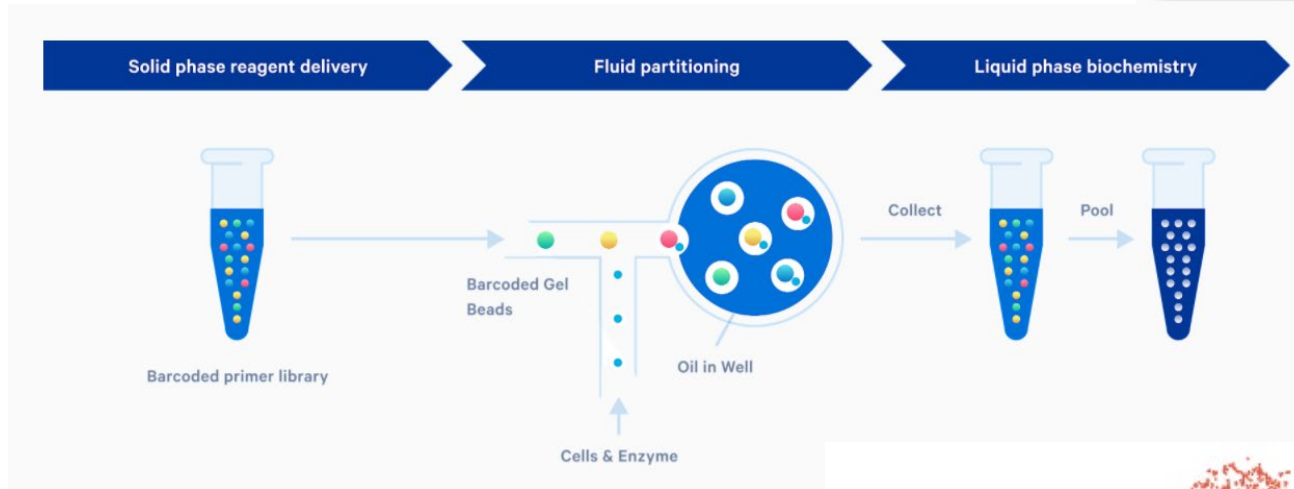
lisette.maddison@wsu.edu

(509)335-8992



Single Cell Library Service

Facilitated by the 10x Genomics Chromium Controller

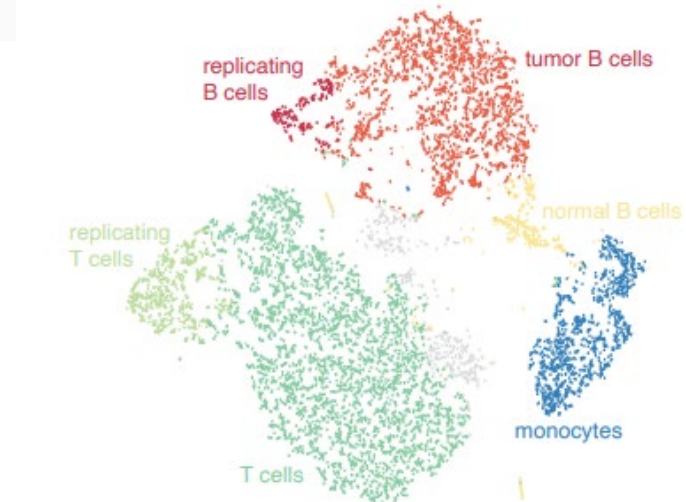


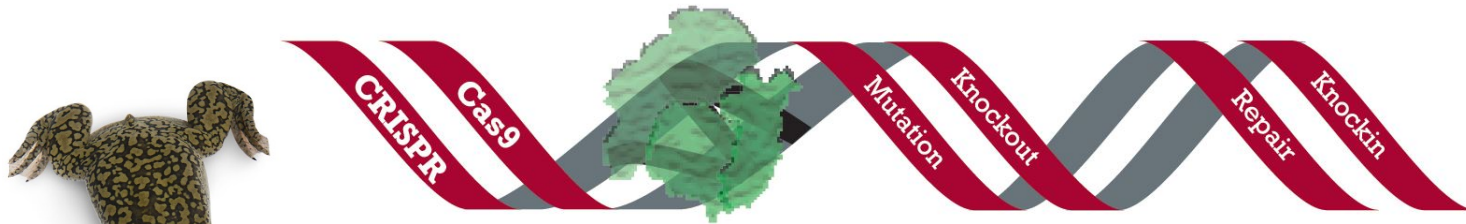
Single Cell Gene Expression

- Can add cell surface protein expression
- Sample multiplexing is possible

Single Cell ATAC

Single Cell Immune Profiling





Gene Editing Reagent Core

WASHINGTON STATE UNIVERSITY



Mission:

Help investigators bring
CRISPR based gene-editing
into their research.

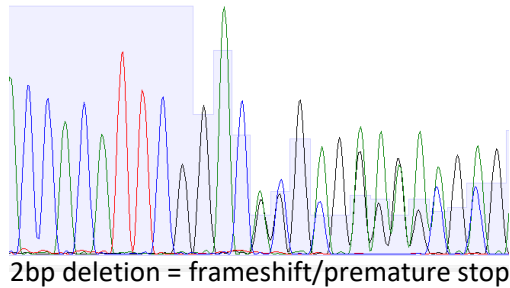
- Targeting design
- Generate reagents
 - Guide RNAs, Cas9
 - Repair templates
 - Expression vectors
- Downstream genetic analysis
- Cloning of non-CRISPR vectors



New mouse models made by the GERC/APC team.

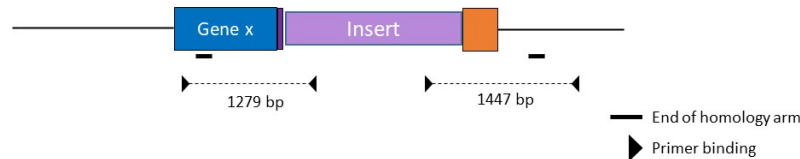
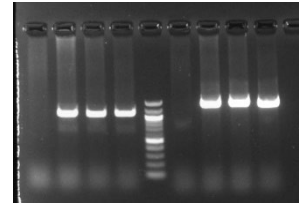
Large knock-in

Knockout

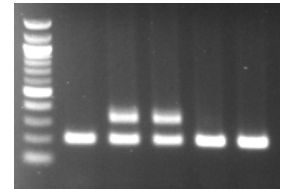


Cre
CreERT2
Cre Inducible markers

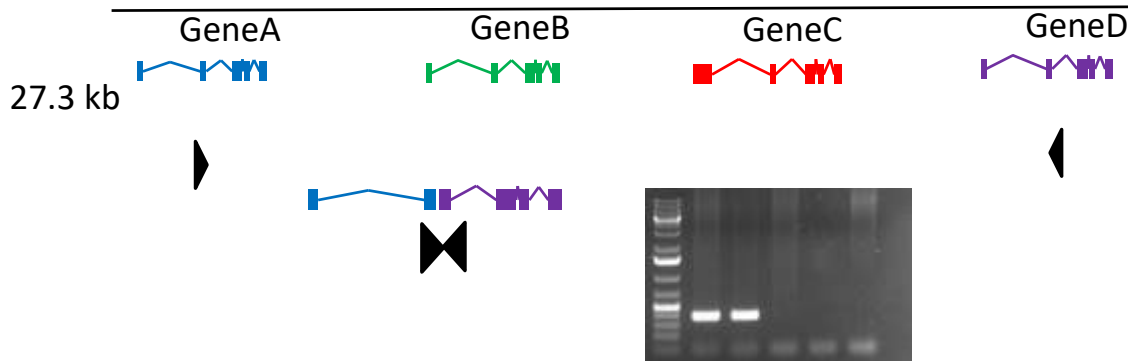
GFP



Small
knock-in



Locus deletion



ROSA knockin

