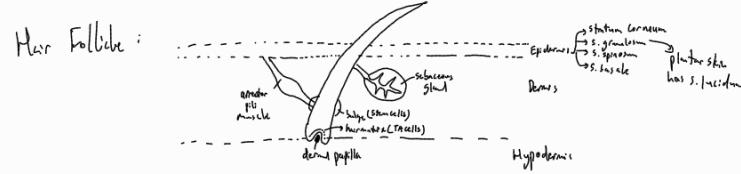
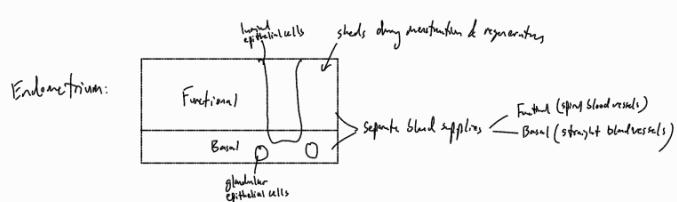
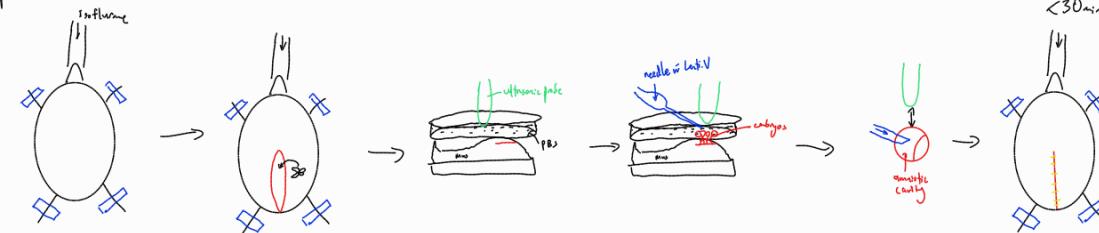


Mouse (Mus musculus)	Sperm Mouse (Always Cachexia/Dendrites)	Humans
Estrous cycle	Masturbation	Masturbation
Screaming	High regeneration ability (Epithelia)	Screaming



Immunostudy: Immuno fluorescent staining - Bind primary antibody to protein, bind secondary antibody + fluoresphere to primary antibody

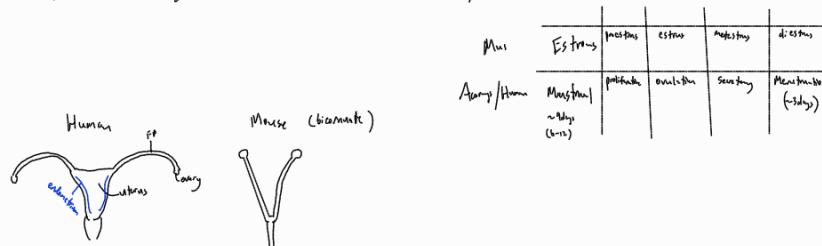
Protein-DNA Interaction



- Virus should mainly affect ectoderm which becomes epidermis

ATAC-seq: Differentiates Heterochromatin & Euchromatin regions
(closed) (open)

ChIP-seq: Determines sequence of DNA associated with a certain protein



Mouse	Estrous	Inestrus	estrous	metestrus	dilatans
Always/Human	Masturbation	prolonged (8-12)	ovulation	screaming	Masturbation (8-12)

chromatin conformation capture (3C) - Analyze spatial organization of chromatin & interactions between genomic loci

- ↳ Crosslink w/ formaldehyde
- cells isolated by centrifugation
- ↳ Restriction Digestion
 - w/ Age 2 restriction endonuclease
 - 37°C
- ↳ Ligation
 - w/ DNA ligase?
- ↳ Reverse Crosslinking
 - gives chromatin DNA fragments

- 4C is a (one to all) analysis, somewhat a cross between 3C & Hi-C

Hi-C (all to all) contains the process

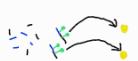
- ↳ Bisulfite sequencing DNA ends & ligation

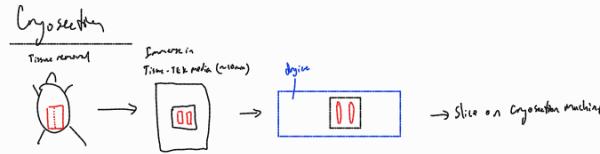
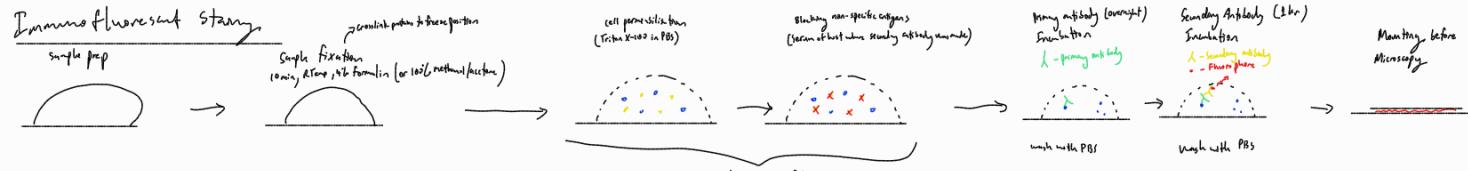


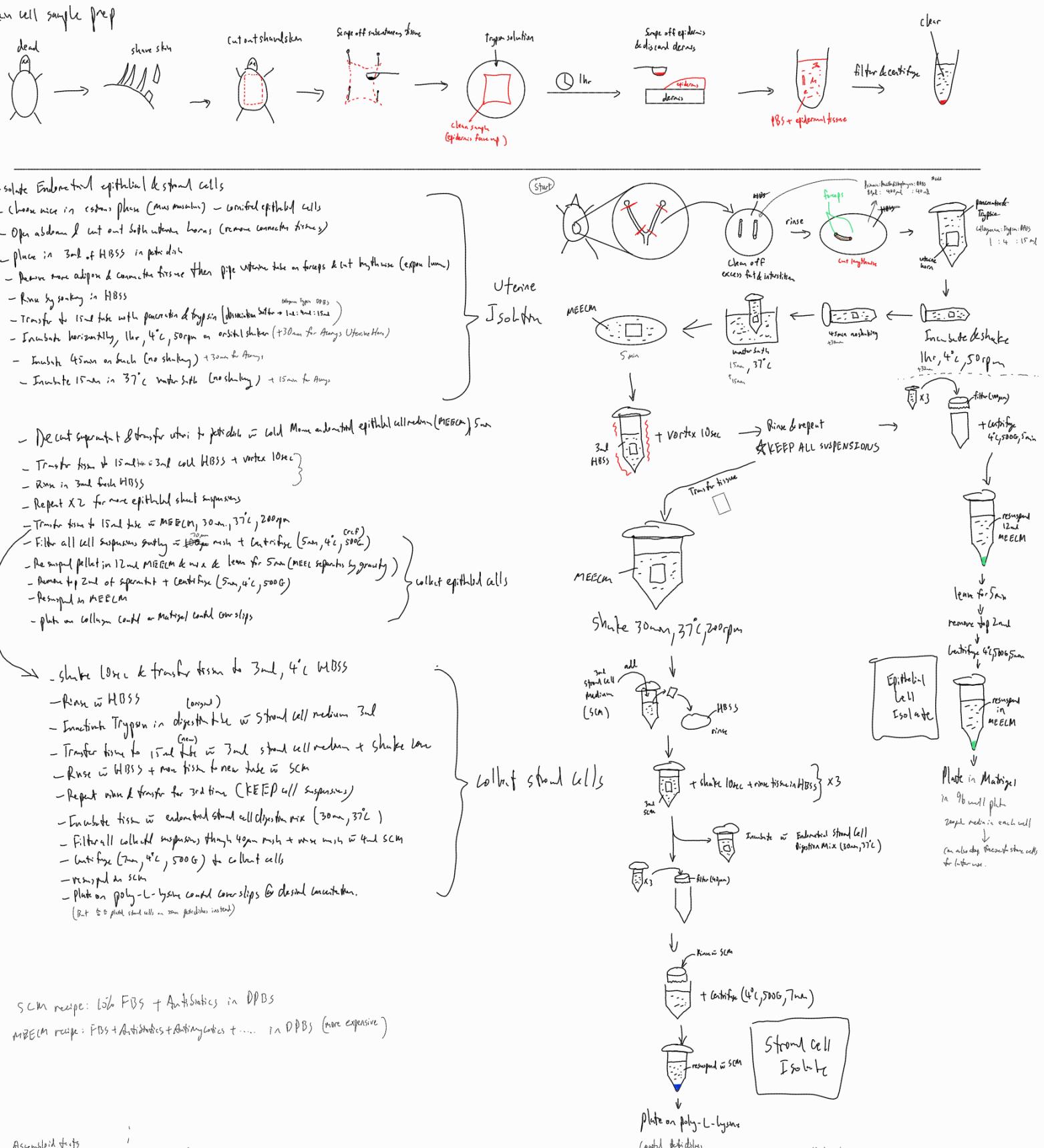
→ DNA purification



→ Streptavidin pull-down







Assembly of Ets

Menus : $E_1 \rightarrow E_2 \rightarrow E_3 \dots$

Aengys : $E_2 \rightarrow P \rightarrow withdraw \rightarrow \dots$

cycle cycle

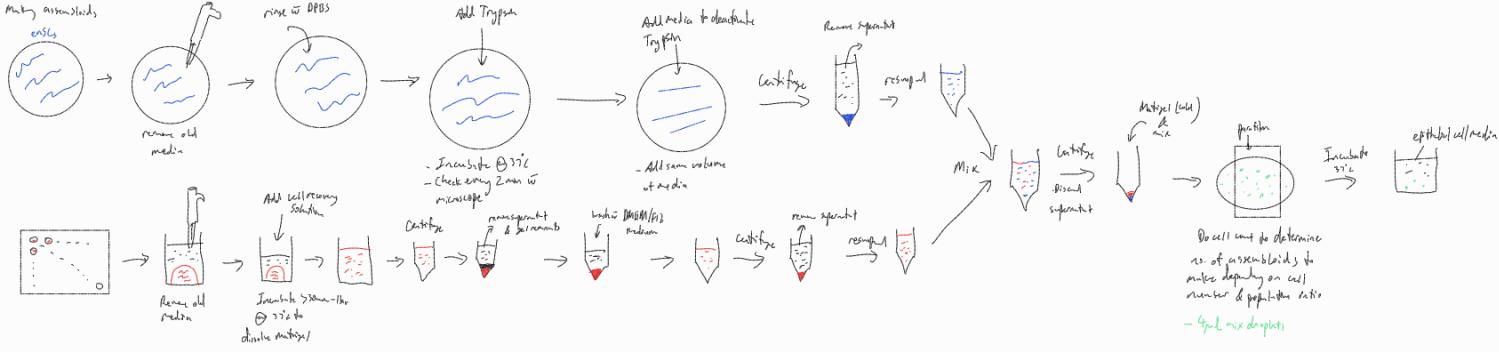
Initiation of human ovulation: 0, 1, 2, 3, 4, 5 days per hormone

ctrl ctrl

Goals: ① Test hormone responsiveness
② Test effect of hormone cycles.

- Epithelial cells cultured IN Matrigel w/ MEELM (form organoids in gel)

- Epithelial cells cultured ON Matrigel w/ SCM (hinder them from forming organoids?)
↳ used as supporting cell type for epithelial organoids



Min/Mix prep mechanism

