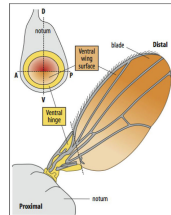
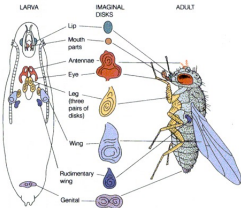


# Transcriptional atlas of *Drosophila melanogaster* imaginal discs

Cecilia Klein

ERC project

Lab meeting - 08/02/2017



# Outline

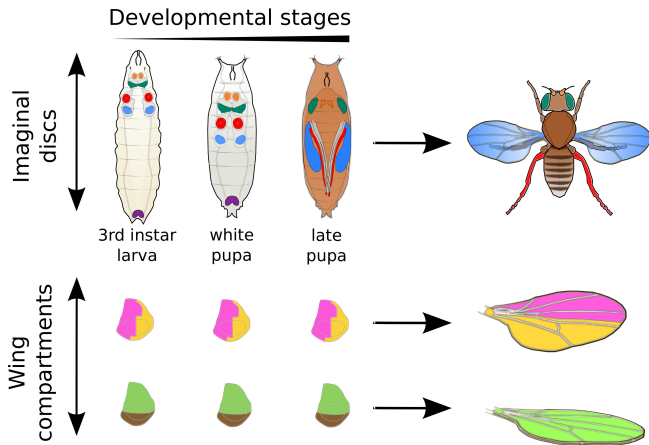
Dataset

Clustering by gene expression

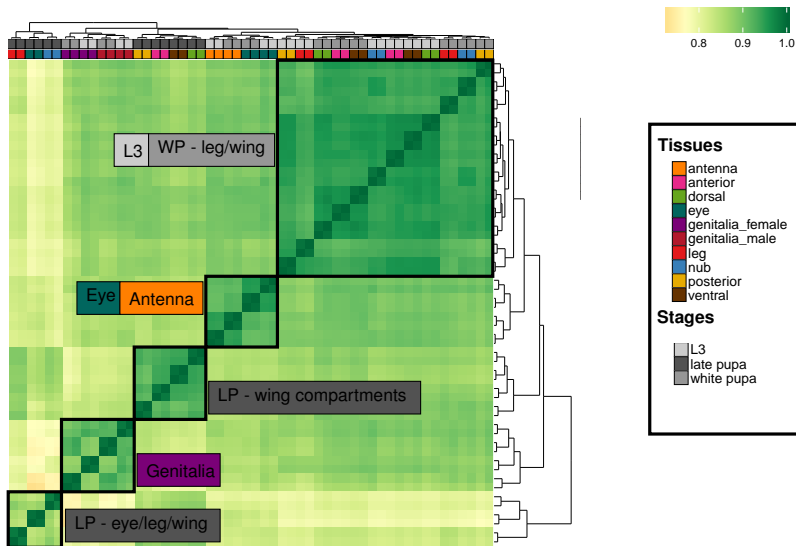
Differentially Expressed Genes

Visualization

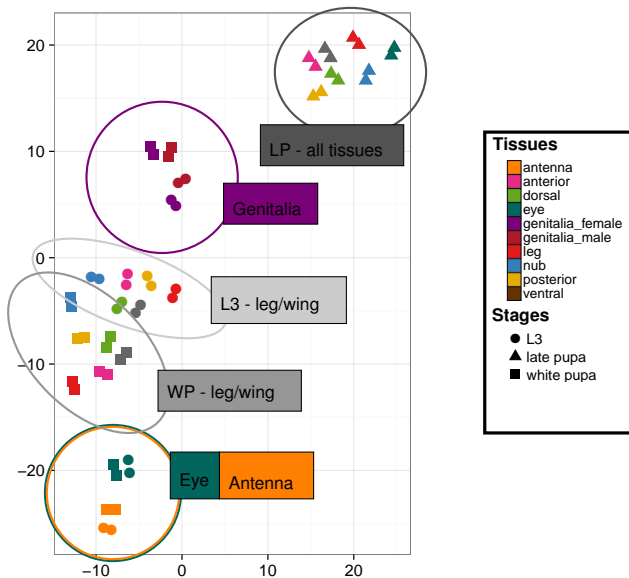
# Dataset



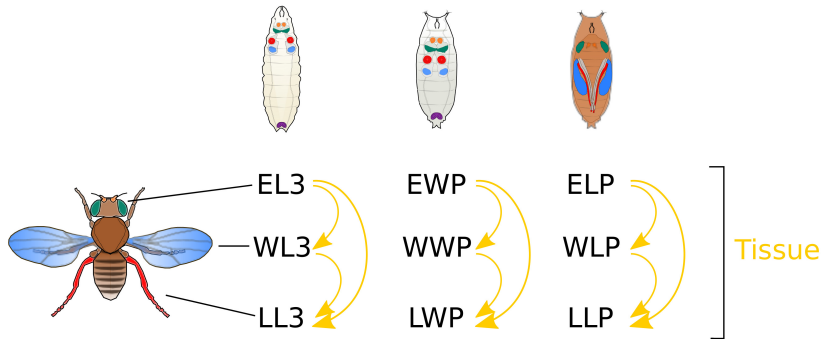
# Clustering by gene expression



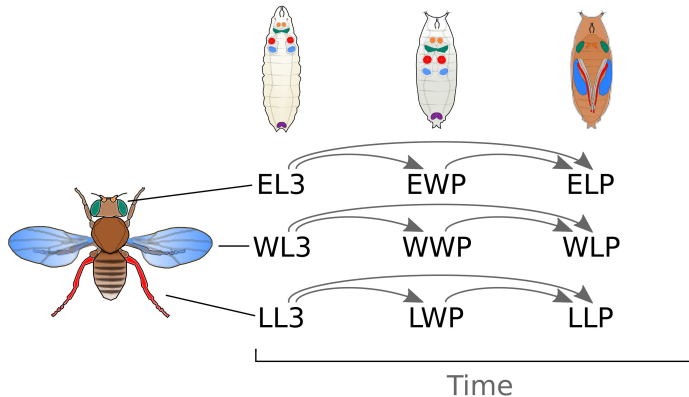
# Clustering by gene expression



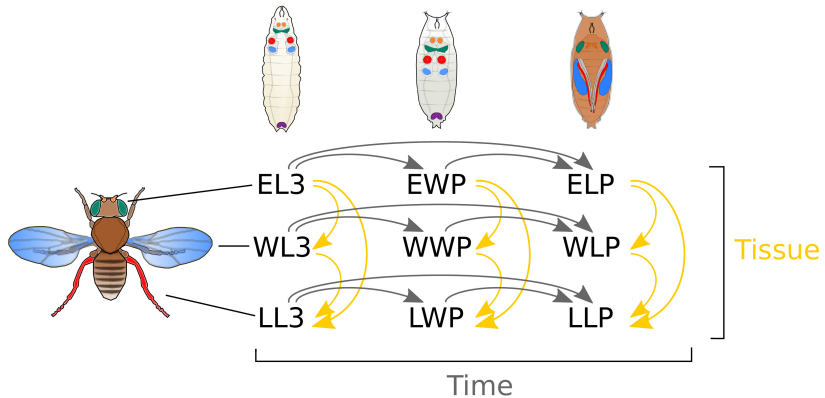
# Differentially Expressed Genes: tissue



# Differentially Expressed Genes - time

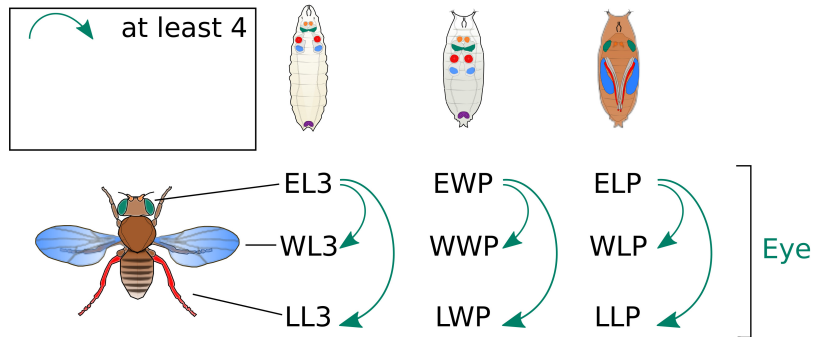


# Differentially Expressed Genes

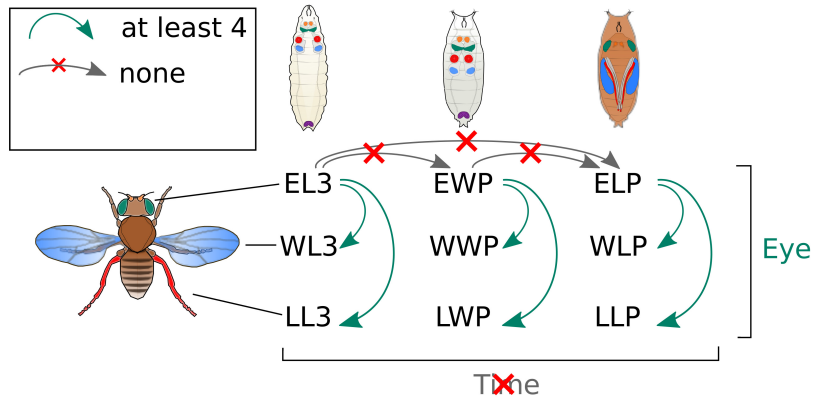




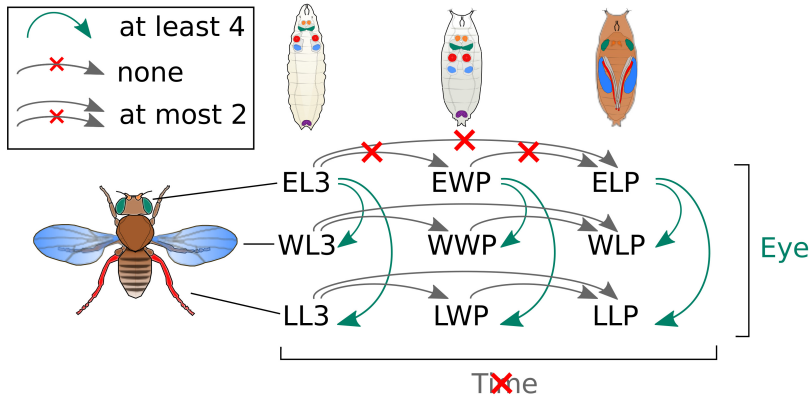
# Differentially Expressed Genes: tissue-specific



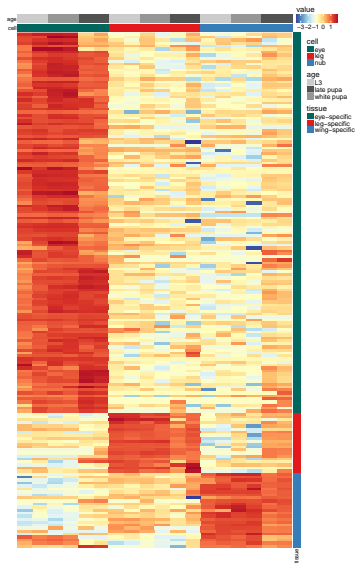
# Differentially Expressed Genes



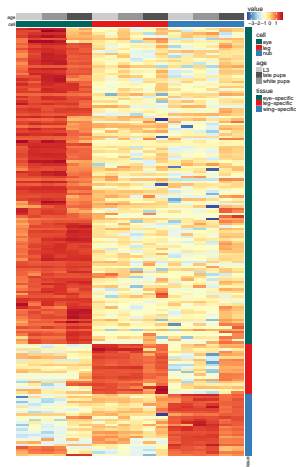
# Differentially Expressed Genes



# Tissue-specific



# Tissue-specific

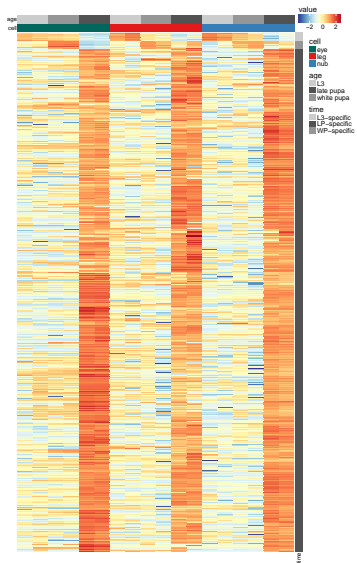


LEG: Ubx

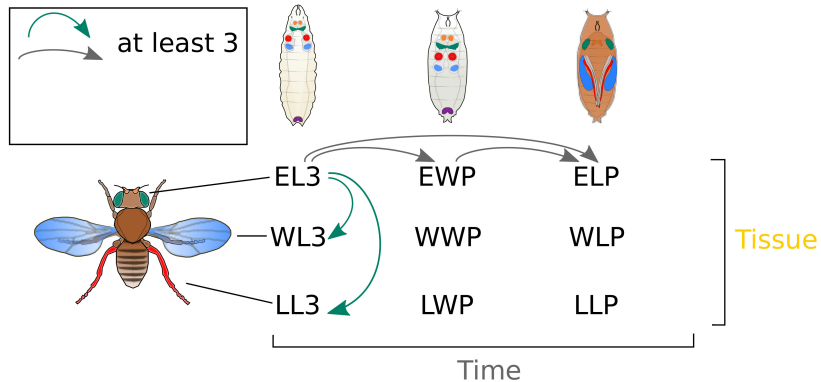
WING: bs, kn, rn, salm, vg, pdm2, nub

EYE: elav, ey, toy, eya, lz, oc, soxN

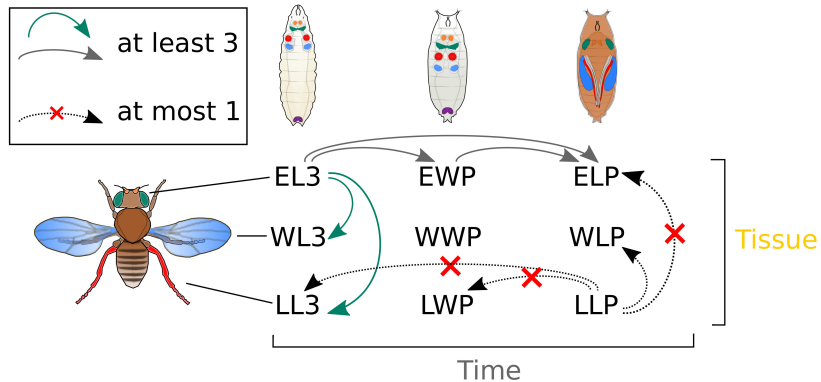
# Time-specific



# Differentially Expressed Genes: 1 tissue 1 time point

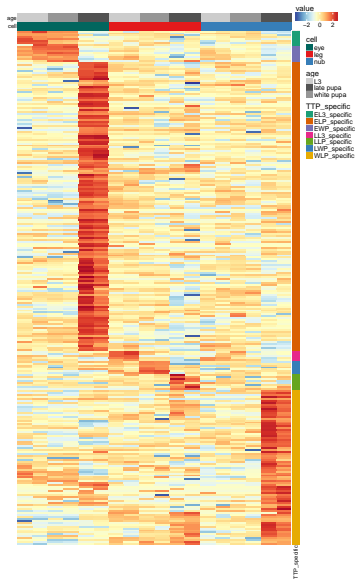


# Differentially Expressed Genes: 1 tissue 1 time point

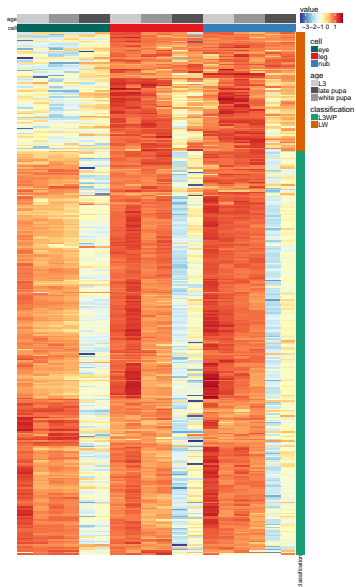




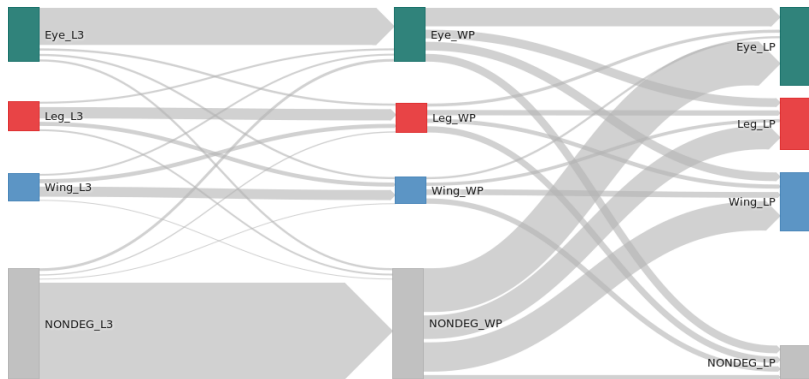
# 1 tissue 1 time point -specific genes



## 2 tissue or 2 time point -specific genes



# Differentially Expressed Genes



Interactive Toy

# Acknowledgements



- ▶ Rory Johnson
- ▶ Sebastian Ullrich
- ▶ Alex Esteban
- ▶ Ramil Nurtdinov
- ▶ Beatrice Borsari
- ▶ Cecilia C. Klein
- ▶ Alessandra Breschi
- ▶ Silvia Perez Lluch
- ▶ Marina Ruiz Romero
- ▶ Amaya Abad
- ▶ Emilio Palumbo
- ▶ Roderic Guigo





obrigado

Dank U

Merci

mahalo

Köszi

спасибо

Grazie

Thank  
you

mauruuru

Takk

Gracias

Dziękuję

Děkuju

danke

Kiitos