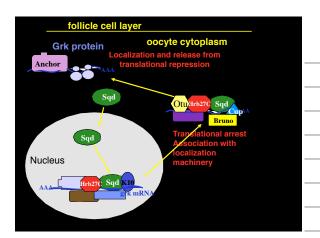
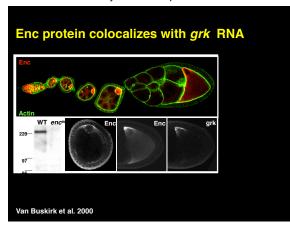


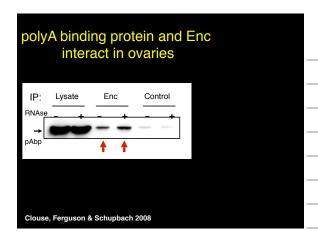


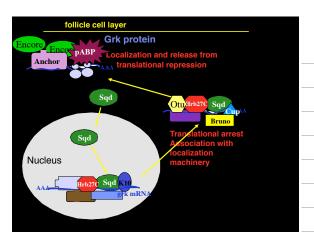
## Germline clones of hrb27C mutants produce dorsalized eggs Hrb27C/Hrp48 and Squid are both required for grk RNA localization



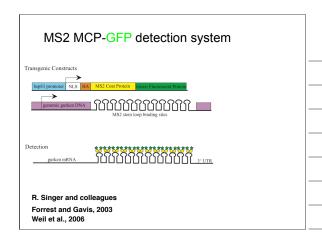


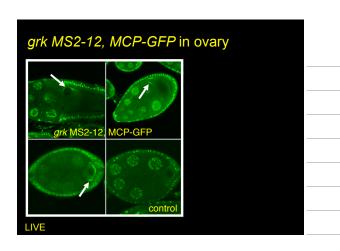




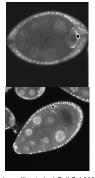


# Dynamics of grk mRNA localization grk mRNA A. Jaramillo & T. Schupbach In collaboration with E.Gavis



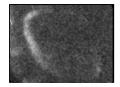


## Fluorescence Recovery After Photobleaching (FRAP)



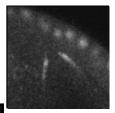
Jaramillo et al., J Cell Sci 2008

### FRAPing *grk* during early stage 8 of oogenesis



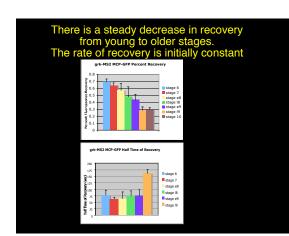


### FRAPing *grk* during stage 9 of oogenesis





## FRAP grk-MS2 MCP-GFP stages 6-8 \*\*\*PRAP grk-MS2 MCP-GFP stages 6-8 \*\*\*PRAP grk-MS2 MCP-GFP stages 6-8 \*\*\*Practical Stages of PRAP Blages 18 \*\*\*Practical Stages 18 \*



## Is localized *grk* mRNA a static or dynamic molecule?





Early: grk mRNA at the posterior pole is dynamic, its localization appears to reflect constant transport.

Late: the *grk* mRNA seems more stably anchored. Squid, Hrb27C required at this stage