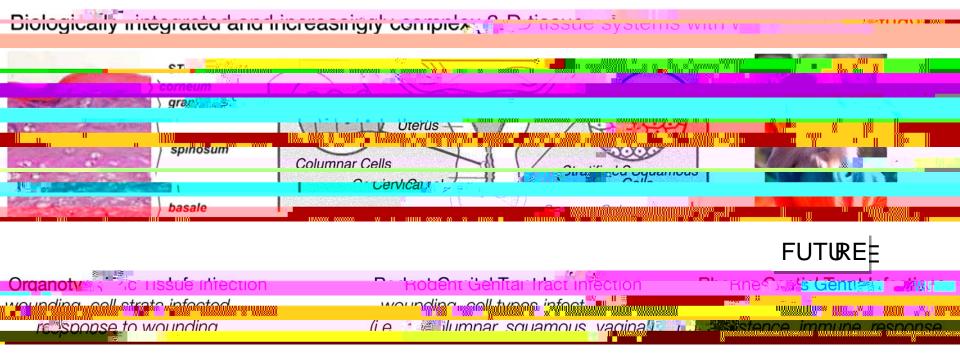
## Tissue Modelof Infection

Projec#1
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## Projec#1 Aims

CENTRAL HYPOTHESIS: monolayer cell cultures fail to display essential aspects of HPV infections in epithelial tissue and important features of HPV infection establishment can be determined from 3 D tissue based models

<u>Aim 1</u>: DefinerequirementsorHPVinfectionofcellsin differentiatedpithelium*in vitro* 

- 1A. Evaluate the contribution wounding oinfection identify the cells in the stratified pithelium capable of binding internalizing virions and those cells ble to express viralearly genes
- 1B. Determinehowthe cellularesponse owounding affects issue infection

<u>Aim 2</u> IdentifythecelltypesthataresusceptibleoHPVinfection in a rodentgenita infection model (interfaces with Projec # 2).