

August 9-10, 2007

2007 Ohio Student Research Forum

Wright State University
Dayton, OH

RESEARCH ABSTRACT FORM

TITLE: Conditional Deletion of E2F3 in Breast Epithelial and its Role in Tumor Development

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There is a health issue among predominately women but inclusive of men around the world and this issue is Breast Cancer. Lots of statistical data show that breast cancer is among the leaders of cancer death around the world. Researchers are looking to find ways to slow down cell proliferation of cancerous cells so that one day their research could possibly lead to help in the fight against breast cancer. There is research being done that uses the idea that by deleting the E2F3 gene in the mammary gland tumors growth would either be slow down or would be delay tumor growth. In order to test this hypothesis, E2F3 gene was deleted in some mice and not others to see the effects. Within the small time frame it is seen that the tumors within the mice without E2F3 are smaller than those still with the gene. With these experiments the hope is that the deletion E2F3 gene will delay initiation or slow down growth in order to push forward in cancer research.