

## **Sarah Anthony**

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### **EDUCATION:**

CARROLL UNIVERSITY, Waukesha, WI

**Bachelors of Science Degree in Biology**

**May 2009**

*Minors: Biochemistry, Art*

- GPA 3.2

*Sr. Thesis: Effects of Combination of Vitamins A and E on Mammary Tumor Development in Rats*

### **RELATED WORK EXPERIENCE:**

08/2008-04/2009

**Carroll University, Waukesha, WI**

#### **Breast Cancer Research**

- Worked daily on an 18 week self-developed experiment
- Worked individually with a mentor overseer
- Handled 9 Sprague Dawley rats in two experimental and one control group
- Completed vitamin A and vitamin E dosing via manual oral gavage
- Induced cancer using DMBA, excised tumors, processed the tissues, stained tissues using hematoxylin and eosin, and completed data analysis
- Grant writing, manuscript writing, and poster presentation experience

### **RELATED COURSE WORK:**

- Introductory Microbiology and corresponding lab
  - Completed plating, aseptic technique, cell counting, bacterial identification, fermentation and culture sampling
- Advanced Microbiology
  - Educated on ELISA, western blotting, SDS-PAGE, southern blotting
- Genetics
  - Completed experiment on the effects of rapamycin on the development of zebrafish
    - RNA extraction, gel electrophoresis, reverse transcriptase, PCR

### **RELATED SKILLS:**

- 1.5 years of research including 6 months experience handling and dosing rats
- Grant writing experience
- Familiar with animal handling, oral gavage, plating, aseptic technique, cell counting, and culture sampling
- Proficiency using Microsoft Office 2003 or 2007
- Dedicated
- Task oriented
- Quick learner
- Capable of working cordially with others or alone

### **ACTIVITIES/AWARDS:**

- Carroll University tennis team (2005-2009)
- Leadership Scholar and Academic Scholarship (2005-2009)
- Supply elderly with means to complete errands (2007-2009)
- Habitat for Humanity volunteer (Spring Break 2007)
- Deans list (2008-2009)

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**REFERENCES AVAILABLE UPON REQUEST**