

KRISTINA (HERTZLER) SCHAEFER

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EDUCATION

Butler University, Indianapolis, IN

Bachelor of Science, Biology

May 2008

Minor: Chemistry

Overall GPA: 3.73/4.0

Major GPA 3.64/4.0

UNC-Chapel Hill

2012-Present

Ph.D. Program in Genetics and Molecular Biology

AWARDS

Dean's list

Academic All-Horizon League Team

Spring 2006

Horizon League Academic All-League Team

Winter 2007

Nominated for Best Student Worker of the Year at Butler University

2007 – 2008

IU Cancer Research Day Poster Award Winner

May 2010

RESEARCH EXPERIENCE

IU School of Medicine-Dept. of Medical and Molecular Genetics

Lab Technician

2009 - 2012

Aided fellow lab mates in lens development research, investigated the development of skin cancer utilizing murine genetics, and fulfilled general lab management duties.

Dow AgroSciences-Department of Crop Disease Management

Laboratory Assistant

2008 – 2009

Set up and inoculated plants for experiments exploring crop disease treatment and prevention, and maintained plant pathogen stocks to be used for plant inoculations.

Butler University-Biology Department

Laboratory Assistant

2007 – 2008

Set up and prepared labs for introductory biology classes, organized and cleaned laboratories and laboratory instruments throughout the department, and fulfilled any other duties requested.

PUBLICATIONS

Hertzler-Schaefer K, Mathew G, Chen Y, Hall MN, Rüegg MA, Zhang X. **Pten loss induces autocrine FGF signaling to promote skin tumorigenesis. In preparation**

Carbe C, Hertzler-Schaefer K, Zhang, X. **The functional role of the Meis/Prep-binding elements in Pax6 locus during pancreas and eye development.** Developmental Biology 2012, **363(1)**:320-329

Qu X, Hertzler K, Pan Y, Grobe K, Robinson ML, Zhang X. **Genetic epistasis between heparin sulfate and FGF-Ras signaling controls lens development.** Developmental Biology 2011, **355(1)**:12-20

PRESENTATIONS

Carbe C, Hertzler K, Zhang X. **Essential enhancer elements regulate Pax6 during lens and pancreas development**

Poster Presentation at the 70th annual Society for Developmental Biology Conference. 2011

Hertzler K and Zhang X. **Autocrine signaling required for Pten skin cancer**

Poster Presentation of original research at the 2010 IU Simon Cancer Center Cancer Research Day

MEMBERSHIPS

Society for Developmental Biology