

**David C. Matlack, DVM**

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**Education**

*Doctor of Veterinary Medicine*, Purdue University School of Veterinary Medicine, West Lafayette, Indiana, 1984.

*Bachelor of Arts*, Earlham College, Richmond, Indiana, 1984.

**Teaching Experience**

*Academic Specialist: Physiology Teaching Labs Director and Course Coordinator & Lecturer*, Indiana University Bloomington, Medical Sciences Program, January 2012 to present.

*Adjunct Instructor, Anatomy and Physiology*, Ivy Tech Community College, Richmond, Indiana, Spring, 2011 to Fall, 2012

*Visiting Assistant Professor of Chemistry*, Earlham College, Richmond, Indiana, Fall, 2008 to Summer, 2009.

*Visiting Assistant Professor of Biology*, Earlham College, Richmond, Indiana, Fall, 2005 to Summer, 2008.

*Adjunct Instructor*, Indiana University East, Richmond, IN. Spring 2005, Fall 2003.

*Artist-In-Residence (as a storyteller)*, Discovery Science Center, Brick City Center for the Arts and Central Florida Community College, Ocala, Florida, 1997-1998.

*Adjunct Instructor*, Central Florida Community College, Ocala, Florida, 1994-1996.

*Teacher, Earth/Space Science*, Lake Weir High School, Marion County, Florida, 1993-1994.

**Courses Taught**

Human Anatomy and Physiology, Human Disease and the Body, Parasitology, Human Physiology, Human Biology, Developmental Biology, Cell Physiology, Microbiology, Biochemistry, Medicinal Chemistry, Organic Chemistry Lab, General Chemistry Lab

**Veterinary Experience**

*President and Veterinarian*, Animal Hospital of Richmond, Inc., Richmond, Indiana, 1999 to 2002.

*Vice-President and Veterinarian*, Forest Veterinary Clinic, Inc., Silver Springs, Florida, 1986-1999.

*Resident Veterinarian*, Lasma Arabians East, LaGrange, Kentucky, 1984-1986.

## **Grants Written and Funded**

*Team Member*, WM Keck Foundation, \$376,000, Earlham College, 2007.

*Ocala Storytelling Festival*, \$2000.00, Florida Humanities Council, 1999 and 1998.

*Artist-In-Residence*, *Brick City Center for the Arts*, *Discovery Science Center*, and *Central Florida Community College*, \$22,000.00, Florida Division of Cultural Affairs Arts in Education, 1997-1998.

*Seasons in the Sun*, 4<sup>th</sup> grade earth science/storytelling curriculum, \$1700.00, Marion County Public Schools Foundation, 1996.

## **Awards and Achievements**

Invited to perform at the National Storytelling Festival, Jonesborough, Tennessee, 2000.

P.R.I.D.E. Science teacher award, 1994.

## **Publications**

Contributing Editor, "Shh: Silencing the Hedgehog Pathway", *Biological Inquiry*, 2<sup>nd</sup> Edition, Margaret Waterman and Ethel Stanley, Pearson/Benjamin, Cummings, 2008.

Poem published in *Sandspun, An Anthology of Florida Stories*, Pineapple Press, 2001.

## **Faculty Advisor and Investigator, Undergraduate Collaborative Research**

The Expression of Metallothionein in Indiana Game Fish Exposed to Copper, 2009.

The Expression of Metallothionein in Indiana Game Fish Exposed to Copper, 2008.

The Expression and Activity of Aromatase in Canine Reproductive Tissues, 2008.

The Expression of Hsp70 and Metallothionein in Trout Red Blood Cells Exposed to Cadmium, 2007.

The Expression of Sonic Hedgehog in Chick Neural Tube, 2006.