

Nathan T. Stephens M.S.

EDUCATION:

College Graduate

Arkansas State University, January 2005-December 2007; January 2010-August 2011

Completed Master of Science Degree in Biology

Thesis: Development of Novel Microsatellite Markers for High-resolution Genetic Analysis of the Western Slimy Salamander (*Plethodon albagula*).

College Undergraduate

Black Hills State University, January 1998-May 2004

Completed Bachelor of Science Degree in Biology

1200 University St.

Spearfish, SD 57799

Johnson County Community College, August-December 1996

12345 College Blvd

Overland Park, KS 66210

High school graduate

Shawnee Mission East High School, 1996

7500 Mission Rd.

Prairie Village, KS 66208

TEACHING/TUTORING EXPERIENCE

Temporary Full Time Instructor (Annual 9 month contract)

January 2012-Present (40 hours per week)

Arkansas State University, Jonesboro, AR.

- General Biological Sciences Lecture/Lab Instructor
- Biology of the Cell Laboratory Instructor
- Human Anatomy and Physiology Lecture/Lab Instructor

ASU Dept. of Biology (870) 972-3082

Graduate/Teaching Assistant

September 2005-December 2007; January 2010-August 2011(20 hours per week)

Arkansas State University, Jonesboro, AR.

- Instructing/Tutoring college undergraduate students
- Administering/Grading written and practical exams
- Genetics; Human Anatomy & Physiology; Microbiology

ASU Dept. of Biology (870) 972-3082

Chemistry/Biology Tutor

September-December 2004 (30 hours per week; \$9.00/hr)

Black Hills State University, Spearfish, SD.

- Chemistry/Biology Survey
- General Chemistry

Dr. Danielle Brady, supervisor (605) 642-6259; danielle.brady@bhsu.edu

LABORATORY RESEARCH EXPERIENCE

Lab Research Technician

January 2008-December 2009 (30 hours per week; \$26,250/year)

BioStrategies LC; Arkansas State University, Jonesboro, AR.

- Protein molecular biology and immuno-biology
- Purchasing and record keeping using Excel
- Preparation of SOP's and PowerPoint presentations

Dr. David Radin, Managing Director, (870) 897-7310

Lab Assistant

January-December 2004 (20+ hours per week \$8.00/hr)

Black Hills State University, Spearfish, SD.

- Conducting experimental protocols; PCR, gel electrophoresis, and DNA sequencing
- Working with/instructing new students in the molecular biology lab

Dr. Cynthia Anderson, supervisor (605) 642-6519; cynthiaanderson@bhsu.edu

Federal Workstudy Conservation Genetics of the Antiguan ground lizard.

September-December 2003 (10 hours per week; \$8.00/hr)

Black Hills State University, Spearfish, SD.

- Screening of transformed E. coli cells with PCR and gel electrophoresis
- DNA sequencing to locate microsatellite markers

Dr. Brian E. Smith, supervisor (605) 642-6879; brian.smith@bhsu.edu

Research Assistant

April-June 2001 (10 hours per week; \$8.00/hr)

Black Hills State University, Spearfish, SD.

- Database compilation
- Literature review
- Co-authored two Technical Conservation Assessments

Dr. Brian E. Smith, supervisor (605) 642-6879; brian.smith@bhsu.edu

FIELD RESEARCH EXPERIENCE

Field Internship; Antiguan Racer Conservation Project, Antigua, West Indies

June-July 2003 (+40 hours per week; \$2500 scholarship)

Black Hills State University, Spearfish, SD.

- Use of GPS to locate study sites
- Conducting mark/recapture surveys of reptiles
- Radio telemetry
- Morphological data collection

Dr. Brian E. Smith, supervisor (605) 642-6879; brian.smith@bhsu.edu

Field Technician; Survey of Amphibians on Glacier National Park, MT

August 2002 (40 hours per week; \$15 per Diem)

USGS Volunteer for Science, Missoula, MT.

- Identification of Amphibians at different life stages
- Use of GPS to locate study sites
- Extensive hiking

Mr. Blake Hossack, supervisor (406) 542-3245; blake_hossack@usgs.gov

Field Technician; Survey of Amphibians on Theodore Roosevelt National Park, ND
May-July 2002 (40 hours per week; \$11.85/hr)

United States Geological Survey, Missoula, MT.

- Use of NWI maps and GPS to locate study sites
- Identification of local Reptiles and Amphibians
- Maintaining database of amphibian reproduction on the park

Dr. David Pilliod, supervisor (208) 426-5202; dpilliod@usgs.gov

Field Technician; Survey of vegetation in the Black Hills National Forest
May-September 2001 (40 hours per week; \$10.66/hr)

Rock Mountain Research Station, Rapid City, SD.

- Map reading and navigation
- Identification of local forbs, grasses, shrubs, and trees
- GPS operation
- Radio-tracking of elk in the Black Hills National Forest

Dr. Mark Rumble, supervisor (605) 716-2174

Field Technician; Survey of woodpeckers in the Black Hills National Forest

May-September 2000 (+40 hours per week; \$8.00/hr)

Wyoming Cooperative Research Group, Laramie, WY.

- Map reading, plotting of transects
- Identification of focal bird species
- GPS operation

Sean Mohren, supervisor

PUBLICATIONS:

Smith, B. E., and **Nathan T. Stephens**. 2002. A conservation assessment of the Black Hills redbelly snake (*Storeria occipitomaculata pahasapae*) in the Black Hills of South Dakota and Wyoming. United States Department of Agriculture Forest Service Technical Report.

www.fs.fed.us/r2/blackhills/projects/planning/assessments/redbelly_snake.pdf

Smith, B. E., and **Nathan T. Stephens**. 2002. A conservation assessment of the pale milk snake (*Lampropeltis triangulum multistriata*) in the Black Hills of South Dakota and Wyoming. United States Department of Agriculture Forest Service Technical Report.

www.fs.fed.us/r2/blackhills/projects/planning/assessments/pale_milk_snake.pdf

Medrano, G., M. C. Dolan, **Nathan T. Stephens**, A. McMickle, G. Erf, D. Radin, and C. L. Cramer. 2010. Efficient Plant-Based Production of Chicken Interleukin-12 Yields a Strong Immunostimulatory Cytokine. *Journal of Interferon & Cytokine Research* 30(3): 143-153.

Spatola, B. N., W. E. Peterman, **Nathan T. Stephens**, G. M. Connette, D. B. Shepard, K. H. Kozak, R. D. Semlitsch, L. S. Eggert. 2013. Development of microsatellite loci for the western slimy salamander (*Plethodon albagula*) using 454 sequencing. *Conservation Genetics Resources* 5(1): 267-270.

Presentations:

Joint Meeting of Ichthyologists and Herpetologists (2011)

Create@StAte Symposium of Research and Scholarship Poster session (2011)

Arkansas Chapter of the Wildlife Society Conference (2010)

Joint Meeting of Ichthyologists and Herpetologists Poster Session (2005)

The 2nd Hellbender Symposium (2005)

Pierre, SD Undergraduate Poster Session (2002, 2004)

South Dakota Academy of Science (2004)