

## Curriculum Vita

**Bruce H. Noden, Ph.D.**

**Assistant Professor, Medical and Veterinary Entomology**

Department of Entomology and Plant Pathology

Oklahoma State University

127 Noble Research Center

Stillwater, Oklahoma 74078

Office: (405)-744-3225

---

### **EDUCATION**

**Ph.D. Immunology and Infectious Diseases,**

The Johns Hopkins Bloomberg School of Public Health, May 1995.

Dissertation: Factors influencing sporogonic life-stage development of *Plasmodium* parasites in anopheline mosquitoes.

Advisor: Dr. John Beier

**B.S. Biology (Magna Cum Laude)**

Houghton College, Houghton, NY

### **FURTHER EDUCATION**

**Visiting Scholar**, 2004, UCLA School of Public Health, Los Angeles, CA, 2004

**Portuguese Around the World**, 1998, Loures, Portugal – 1 year intensive language course

Fluent in Portuguese: level 3 in reading, writing and speaking

**Biology of Disease Vectors**, 1993, Fort Collins, Colorado - Invited course

---

### **EMPLOYMENT**

**ASSISTANT PROFESSOR**, Oklahoma State University, July 2013 - present

Medical and Veterinary Entomology:

Department Entomology & Plant Pathology

Teaching (30%) : Research (70%)

**AFFILIATE MEMBER**, Masters of Public Health program, OSU, Oct 2014- present

**DEPUTY DIRECTOR** (faculty position), Polytechnic of Namibia, 2010 – 2013

Zoonotic Neglected Tropical Diseases: Department of Biomedical Science

**ADJUNCT ASSISTANT PROFESSOR/POST-DOCTORAL FELLOW**, ISU, 2008-2009

School of Biological Sciences, Illinois State University, Normal, IL

**ADJUNCT ASSISTANT PROFESSOR OF BIOLOGY**, Heartland Community College, 2008  
Biology Department, Normal, Illinois

**ADJUNCT ASSOCIATE PROFESSOR OF BIOLOGY**, Millikin University, 2008 (Spring)  
Department of Biology; Decatur, Illinois

**RESEARCH ASSOCIATE PROFESSOR**, Catholic University of Mozambique, 2003-2007  
Faculty of Health Sciences; Beira, Mozambique

**HIV/AIDS COORDINATOR**, AIM International, 1998-2007

**POSTDOCTORAL RESEARCHER**, University of Maryland Baltimore, 1995-1997  
Focus: the dynamics of *Rickettsia typhi* and *R. felis* development in fleas  
Department of Microbiology & Immunology

**SENIOR LABORATORY TECHNICIAN**, The Johns Hopkins University, 1989-1992  
Department of Immunology and Infectious Diseases, Baltimore, Maryland

### **OTHER RELATED POSITIONS**

Deputy Head of Department – Biomedical Science, Polytechnic of Namibia, 2011

Country Director, AIM International Mozambique, 2006-2007.

Deputy Country Director, AIM International Mozambique, 2005-2006.

Area Representative, AIM International Mozambique, 2002-2005.

---

### **TEACHING**

#### **Assistant Professor, Dept. Entomology & Plant Pathology, Oklahoma State University**

ENTO 3003 Livestock Entomology (co-instructor) – every Spring – 2014-17 (60 students)

ENTO 5710 Advanced Medical and Veterinary Entomology – odd Spring - 2015 (3-8/semester)

ENTO 2223 Insects in Global Public Health – Fall semester 2013-16 (125 students)

ENTO 4854 Medical and Veterinary Entomology – every odd Fall – 2013 (11 students)  
- 2015 (12 students)

#### **Deputy Director, Dept. Biomedical Science, Polytechnic of Namibia**

Epidemiology III Spring 2010: 23 students

Research Methodology: Biomedical Science Every Fall: 30 students

Research Methodology: Environmental Spring 2011: 30 students

Immunology Fall 2010, 2011: 30 students

4<sup>th</sup> year student honors research projects Both semesters (25 students/year)

#### **Adjunct Assistant Professor of Biology, Biology Department, Heartland Community College**

Contemporary Biology Fall semester: 30 students

#### **Adjunct Associate Professor of Biology, Department of Biology, Millikin University**

Anatomy and Physiology Spring semester: 2 classes – 25 students each

## **Research Associate Professor, Faculty of Health Sciences Catholic University of Mozambique**

Lecturer 11 different lectures in various modules to 3 levels of students

## **HIV/AIDS Coordinator, AIM International, Beira, Mozambique**

Workshops Community public health promotion seminars to illiterate adults

---

## **FUNDING**

### **HATCH PROJECT**

2013-2018 Biology, ecology, and management of tick and mosquito-borne diseases of public and veterinary health in West Central United States.  
**Noden BH.**

### **EXTRAMURAL FUNDING**

- 2016-2019 Local and landscape-scale drivers of tick distribution and tick-borne pathogen prevalence in rapidly expanding urban and suburban areas. Oklahoma Center for the Advancement of Science and Technology (OCAST HR16-038).  
Principal Investigator: **Bruce H Noden** / Scott Loss Total amount: US\$135,000.
- 2016-2017 Landscape drivers of *Aedes* mosquito distribution and potential arbovirus expansion in diverse urban centers in Oklahoma. Subcontract of the State of Oklahoma Department of Health Epidemiology and Laboratory Capacity cooperative agreement with the CDC organized by Dr. Kristy Bradley (OK State Epidemiologist and State Public Health Veterinarian).  
Principal Investigator: **Bruce H Noden** Total amount: US\$75,279
- 2010-2015 Strengthening medical laboratory training capacity in the School of Health and Applied Sciences at the Polytechnic of Namibia – CDC Atlanta in partnership with the local CDC Namibia office. PEPFAR/CDC-RFA-PS10-1094 (Grant award #: 1U2GPS002902-01)  
Principal Investigator: **Bruce H Noden** Total amount: US\$1,750,000
- 2005-2006 HIV/AIDS Knowledge, Attitude and Prevention in Southern Sofala Province. Conselho Nacional na Combate de HIV/SIDA (National Council in the Fight against HIV/AIDS), Mozambique  
Gomes, A., **Noden, BH**, Ferreira A. Total amount: US\$100,000
- 2003-2005 AWARE (AIDS Awareness in AIDS Research Enhanced). NIH National Institute of Allergy and Infectious Disease RO3 (AI56325-01)  
Gomes, A. [Catholic University of Mozambique], McMahon D., Palumbo M. [U Pitt], Nielsen K. [UCLA], Fisher M. [U WV] Total amount: US\$ 100,000  
**B.H. Noden**: Consultant for immunological and molecular research

## INTRAMURAL FUNDING

- 2016-2017 Establishment of the phenology of *Ixodes scapularis* in Oklahoma and potential impact on disease transmission. CASNR/OAES Grant for Undergraduate Research Scholars (Mr. Justin Turner).  
Principal Investigator: **Bruce H Noden** Total amount: US\$1,000.
- 2016-2017 Development of a rapid detection field diagnostic test (RDFDT) for detection and surveillance of *Anaplasma marginale* in cattle. Oklahoma State University Technology Business Development Program type 1 proposal (development of concept grant).  
Principal Investigator: **Bruce H Noden** Total amount: US\$5,000.
- 2015-2017 Prevalence of *Toxoplasma gondii*, rubella and cytomegalovirus among pregnant women attending the antenatal clinic at Windhoek Central Hospital, Namibia. A PhD research grant funded by the National Commission for Research, Science and Technology in Namibia for Ms. Elzabe van der Colf.  
Role: **Noden, BH** (Co-investigator). Total amount: US\$35,000.
- 2011-2013 Exposure to Zoonotic Diseases among Namibian Blood Donors  
Funded by Namibian Government through the Polytechnic of Namibia Institutional Research and Publication Committee (IRPC). Institutional Research Grant.  
Principal Investigator: **Bruce H Noden** Total amount: US\$8,200
- 2012-2013 Tires as environmental hazards for public health: mosquitoes in low income areas of Windhoek. Namibian Govt through PoN IRPC: Institutional Research Grant.  
Principal Investigator: **Bruce H Noden** Total amount: US\$3,500
- 2009-2010 Influence of larval mosquito competition on adult vector competence.  
Faculty research award: University Research Grant Program College of Arts and Sciences. Juliano, SA., **Noden, BH**. \$3,000.
- 2003-2007 AIDS Relief Project. AIM International. \$6,000.  
Principal Investigator: **Bruce Noden**
- 2000-2007 AIDS Education Project. AIM International . \$13,000.  
Principal Investigator: **Bruce Noden**.

## GRANT PROPOSALS SUBMITTED

Tanner, E. (PI NREM), Elmore, D., Fuhlendorf, S., **Noden, B. (Entomology Co-PI)** Submitted Dec 2016. Influences of thermal heterogeneity on Box Turtles (*Terrapene* spp.): Implications for disease risk from a novel ectoparasites. South Central Climate Science Center funding initiative. \$72,000. Duration: 2017-2019. Pending.

Reiskind, M. (North Carolina State Un. Entomology), **Noden, BH** (OK-based Co-PI), Yabsley, M., Levine, J., Stone, C. Submitted Nov 2016. NSF EEID: *Complex Disease Transmission in Your Backyard: Exploring the Role of Biodiversity in a Vector-borne Worm*. NSF Ecology and Evolution of Infectious Diseases grant submission. Subcontract amount: \$540,000 (\$167,000 IDCs) (Total: \$2,500,000). Duration 2017-2022.

Hoback, W.(PI), **Noden, BH**, Talley, J., Wayadande, A., Payne, E. (Center for Sovereign Nations (Co-PD/PIs)). Submitted September 2016. *NATIVES: Native Americans Trained In Various Entomological Sciences*. USDA MSP Scholars program grant for undergraduate training. \$195,000. Duration: 2017-2021.

**Noden, BH** (PI). Submitted Sept 2016. *Establishment of the phenology of Ixodes scapularis in Oklahoma and potential impact on disease transmission*. CASNR/OAES Grant for Undergraduate Research Scholars (Mr. Justin Turner). \$1,000. Duration: 2016-2017. Funded Sept 2016.

Blagden, T., Cardwell, K., Wayadande, A., Talley, J., Malayer, JR, **Noden, BH**. Submitted May 2016. *Assessing and tracking antimicrobial resistance genes through the use of flies as environmental sentinels by analyzing fly excretome*. Gates Foundation Grand Challenges Explorations Application Round 17: Novel Approaches to Characterizing and Tracking the Global Burden of Antimicrobial Resistance. \$100,000. Duration: 2017-2019. Not funded.

**Noden, BH** (PI), Hoback, W., Bradt, D. Submitted March 2016. *Evaluation of two strategies for the reduction of container inhabiting Aedes mosquito species and the effect on prevalence of a significant canine pathogen in a developing urban center on the Great Plains*. Concept note sent to Armed Forces Pest Management Board for funding consideration of one year of support. \$72,000. Duration: 2016-2017. (Approved for Pre-proposal with possible future focus for 2017).

**Noden, BH** (PI), Loss, S. Submitted March 2016. *Local and landscape-scale drivers of tick distribution and tick-borne pathogen prevalence in rapidly expanding urban and suburban areas*. Research proposal for competitive funding to OCAST. \$135,000. Duration: 2015-2018. Funded June 2016.

Talley, J. (PI), Hoback, W., **Noden, BH**. Submitted March 2016. *Dung beetles: The ecosystem service workhorse of pastured animal systems*. Standard Conference proposal for USDA (OREI). \$47,500. Duration: 2016-2017. Not funded.

**Noden, BH (PI subcontract)**. Submitted Feb 2016. *Landscape drivers of Aedes mosquito distribution and potential arbovirus expansion in diverse urban centers in Oklahoma*. Subcontract of the State of Oklahoma Department of Health Epidemiology and Laboratory Capacity cooperative agreement with the CDC organized by Dr. Kristy Bradley (OK State Epidemiologist and State Public Health Veterinarian). Contribution: Mosquito surveillance for Zika, Chikungunya, and Dengue vectors in 6 urban areas in central Oklahoma. April-Sept 2016 (CDC Ebola preparedness redistribution):\$75,279; Oct 2016 – July 2017 (Epidemiology and Laboratory Capacity (ELC) for Infectious Diseases): \$75,000. Funded April 2016.

**Noden, BH (PI)**. Submitted Feb 2016. *Development of a rapid detection field diagnostic test (RDFDT) for detection and surveillance of Anaplasma marginale in cattle*. Oklahoma State University Technology Business Development Program type 1 proposal (development of concept grant). Total: \$5,000. Duration: 2016-2017. Funded April 2016.

**Noden, BH (PI)**, Hoback, WW. Submitted Dec 2015. *Mosquito communities associated with an urban-rural gradient in mid-sized city in the southern Great Plains*. Mosquito Research Foundation, Sacramento, CA. Total: \$26,000. Duration: 2016-2017. 39 proposals submitted: 4 funded. Not funded.

Reiskind, M. (North Carolina State Un. Entomology), **Noden, BH (OK-based Co-PI)**, Yabsley, M., Levine, J., Stone, C. Submitted Nov 2015. *NSF EEID: Complex Disease Transmission in*

*Your Backyard: Exploring the Role of Biodiversity in a Vector-borne Worm.* NSF Ecology and Evolution of Infectious Diseases grant submission. Subcontract amount: \$501,000 (\$155,000 IDCs) (Total: \$2,500,000). Duration 2016-2021. Not funded but in the top 16% (56 proposals submitted: 5-6 funded).

Trout-Fryxell, R (PI, U Tenn Entomology and Plant Pathology) Collins, M., DeBruyn, J., Kennedy, M., Kwon, Y., Lenhart, S., **Noden, B. (OK-based Co-PI)**, Odoi, A., Schexnayder, S., Staton, M. Submitted Nov 2015. NSF EEID: *Eco-epidemiology of Rocky Mountain Spotted fever in the eastern United States.* NSF Ecology and Evolution of Infectious Diseases grant. Subcontract amount: \$90,000 (\$27,400 IDCs) (Total: \$2,498,225). Duration 2017-2020. (56 proposals submitted: 5-6 funded). Not funded.

Hoback, W. (PI), **Noden, BH (Co-PI)**, Talley, J., Wayadande, A. Submitted August 2015. *STAVE: Skills & Training in Agrosecurity & Veterinary Entomology.* USDA MSP Scholars program grant for undergraduate training. \$156,000. Duration: 2016-2020. Not funded but in the top 10%.

**Noden, BH (PD)**, Ochoa-Corona, F, Talley, J, de la Fuente, J, Kocan, K. *Development of a rapid detection field diagnostic test (RDFDT) for detection and surveillance of Anaplasma marginale and A. phagocytophilum in cattle.* Letter of intent for AFRI Exploratory grant for Animal Health priority area (diagnostics) submitted April 2015. Recommendation to develop full proposal received May 2015. **Full proposal submitted July 2015.** \$100,000. Duration 2016-2017. Not funded.

Bradley, K and others including **Noden, BH (Subcontract)**. *Characterization of habitats of West Nile mosquito vectors in the Great Plains region of Oklahoma.* Subcontract of the State of Oklahoma Epidemiology and Laboratory Capacity cooperative agreement with the CDC organized by Dr. Kristy Bradley (OK State Epidemiologist and State Public Health Veterinarian). Submitted April 2015. **Contribution:** Mosquito surveillance for West Nile virus and St Louis encephalitis in 3 urban areas in Central Oklahoma. \$38,000. Duration: 2016. Not funded.

Norris, D, Trout-Fryxell, R, Gaff, H, **Noden, BH.** *Expansion of Spotted Fever Rickettsia in the mid-America Zone.* Letter of Intent submitted in April 2015 to Dean of the Johns Hopkins School of Public Health for consideration for State of Maryland funding for important multi-state research project. **Contribution:** Collaborator in Western-most area of the focused research. Not funded.

**Noden, BH (PI)**, Loss, S. Submitted March 2015. *Local and landscape-scale drivers of tick distribution and tick-borne pathogen prevalence in a rapidly expanding metropolitan area.* OCAST Health Grant: \$131,399. Duration: 2015-2018. Not funded.

Trout-Fryxell, R (U Tenn Entomology and Plant Pathology) et al. **Noden, BH** and Talley, J (**OK-based collaborators**). Submitted Feb 2015. *The role and biology of Amblyomma maculatum in a rickettiosis endemic region.* NIH One (NIEHS) grant submission. Subcontract amount: \$26,973 (\$8,473 IDCs). Duration 2016-2019. Not funded.

van der Colf, B, van Zyl, G.U., **Noden, BH (Co-investigator)**, Sabbaram, K.. Submitted in Dec 2014. *Prevalence of Toxoplasma gondii, rubella and cytomegalovirus among pregnant women attending the antenatal clinic at Windhoek Central Hospital, Namibia.* PhD research grant to the National Commission for Research, Science and Technology in Namibia. \$35,000. Duration: 2015-2017. Funded.

Ochoa-Corona, F, **Noden BH (Co-PI)**, Muturi, EJ. Submitted November 2014. *Development of a user-friendly kit for the surveillance of dengue, chikungunya and yellow fever in resource-limited countries*. Gates Foundation Grand Challenges Explorations Application Round 14: \$100,000. Duration: 2015-2016. Not funded.

**Noden, BH (PI)**. Submitted November 2014 to OSU contact. *Development of a user-friendly kit for the surveillance of Ehrlichia sp. in field-collected ticks*. ORAU Ralph E. Powe Junior Faculty Enhancement Awards: \$10,000. Duration: 2015. Not funded.

**Noden, BH.(PI)**, Hoback, W., Talley, J., Wayadande, A. Submitted September 2014. *REVAMP: Recruiting Entomologists for Veterinary, Agrosecurity, and Medical Professions*. USDA MSP Scholars program grant for undergraduate training. \$200,000. Duration: 2015-2019. Not funded.

**Noden, BH.** (PI), Loss, S. Submitted March 2014. *Investigation of the ecology of ticks, avian hosts, and tick-borne diseases to better understand risk for humans and companion animals in Oklahoma State Parks*. OCAST Health grant: \$134,040. Duration: 2014-2017. Not funded.

**Noden, BH.** Submitted March 2014. *Development of an Attractive Toxic Sugar Bait to eliminate mosquito transmission of Dirofilaria immitis to companion animals at the household level*. Morris Animal Foundation: \$10,800. Duration: 2014-2015. Not funded.

**Noden, BH.,** Talley, J.L. Submitted March 2014. *The Influence of Ectoparasites and 'mobile' vectors on Northern Bobwhite Quail Breeding Success*. Oklahoma Department Wildlife Conservation. \$367,000. Duration: 2014-2017. Not funded.

**Noden, BH.** 2012. Tires as environmental hazards for public health: mosquitoes in low income areas of Windhoek. Namibian Govt through PoN IRPC: Institutional Research Grant. US\$3500. Duration: 2012-2013. Granted.

**Noden, BH.** 2011. Research challenges in a Developing Biomedical Science program. Polytechnic of Namibia IRPC. Workload and ethical permission sought. Granted.

**Noden, BH.** 2011. Professional expectations of future Medical Laboratory Scientists in Namibia. Polytechnic of Namibia IRPC. Workload and ethical permission sought. Granted.

**Noden, BH.** 2011. Exposure to Zoonotic Diseases among Namibian Blood Donors. Namibian Government through the PoN IRPC. Institutional Research Grant. \$8200. 2011-2013. Granted.

**Noden, BH.** 2011. Assessment of arthropod-borne rickettsias of Companion-Animals (Flea-borne Rickettsias (*R. typhi* and *R. felis*)) in Namibia. Indian Ministry of Education through the Namibia Ministry of Health and Social Services. US\$25,000. Accepted but not funded.

**Noden, BH.** 2011. Exposure to Zoonotic Diseases among Namibian Blood Donors. Indian Ministry of Education through the Namibia Ministry of Health and Social Services. US\$35,700. Accepted but not funded.

**Noden, BH.,** van der Colf, B. 2010. Strengthening medical laboratory training capacity in the School of Health and Applied Sciences at the Polytechnic of Namibia – CDC Atlanta in partnership with the local CDC Namibia office. US\$1,750,000. Duration: 2010-2015. Granted.

Juliano, SA., **Noden, BH**. 2009. Influence of larval mosquito competition on adult vector competence. Faculty research award: University Research Grant Program College of Arts and Sciences. \$3000. Duration: 2009-2010. Granted.

**Noden, BH**, Juliano, SA. 2009. [2 tries]. Impact of larval mosquito competition on vectorial capacity for *Brugia malayi*. National Institute of Allergy and Infectious Disease: NIH Academic Research Enhancement Award (AREA) Grant – R15. \$150,000. Duration: 2010-2012. Not granted.

**Noden, BH**, Juliano, SA. Impact of larval mosquito competition on adult vector competence. National Institute of Allergy and Infectious Disease: Ruth L Kirschstein National Research Service Awards for Individual Postdoctoral Fellows (F32). \$100,000. Duration: 2010-2012. Not granted.

Gomes, A., **Noden, BH**, Ferreira A. HIV/AIDS Knowledge, Attitude and Prevention in Southern Sofala Province. Conselho Nacional na Combate de HIV/SIDA (National Council in the Fight against HIV/AIDS), Mozambique. US\$100,000. Duration: 2005-2006. Granted.

**Noden, BH**, Noden, ML. 2003. AIDS Relief Project. AIM International. \$6,000. Duration: 2003-2007. Funded.

**Noden, BH**, Noden, ML. 2000. AIDS Education Project. AIM International. \$13,000. Duration: 2000-2007. Funded.

---

## PUBLICATIONS

### Peer-reviewed papers (\*students)

**Noden, BH**, Dubie, T. In press. Involvement of invasive Eastern red cedar in the expansion of *Amblyomma americanum* in Oklahoma. *Journal of Vector Ecology*.

Dubie, T.R., Grantham, R., Coburn, L., **Noden, BH**. In press. Pictorial key for the identification of immature stages of common Ixodid ticks affecting cattle in the U.S. southern Great Plains. *Southwestern Entomologist*.

Mitcham, JR\*, Barrett, AW\*, Gruntmeir, JM\*, Holland, T\*, Martin, JE\*, Johnson, EM, Little, SE., **Noden, BH**. In press. Active surveillance to update county scale distribution of four tick species of medical and veterinary importance in Oklahoma. *Journal of Vector Ecology*.

Morris, CG\*, Kard, BM, Grantham, RA, Morris, AM, **Noden, BH**, Mulder Jr., PG. In press. Morphology of Oklahoma's Grass-Feeding Termite: *Gnathamitermes tubiformans* (Isoptera: Termitidae). *Journal of the Kansas Entomological Society*. In Press.

**Noden, BH**, Loss, SR, Maichak, C\*, Williams, F\* In press. Risk of encountering ticks and tick-borne pathogens in a rapidly growing metropolitan area in the U.S. Great Plains. *Ticks and Tick-borne Diseases*.

**Noden, BH**. 2016. 'Where the wind comes sweeping down the plain': Using a bibliometric study to identify trends and knowledge gaps of vector-borne disease research in Oklahoma. *Southwest Entomologist*. *Southwest Entomologist* 41(4): 1175-1186.



- Loss, SR, **Noden, BH**, Hamer, GL, Hamer, SA. 2016. A quantitative synthesis of the role of birds in carrying ticks and tick-borne pathogens in North America. *Oecologia* 182(4): 947-959.
- Morris, X\*, Murrell, E, Klein, T, **Noden, BH**. 2016. Effect of two commercial herbicides on life history traits of a human disease vector, *Aedes aegypti*, in the laboratory setting. *Ecotoxicology* 25(5), 863-870.
- Noden, BH**, O'Neil\*, PA, Fader\*, JE & Juliano, SA. 2016. Impact of inter- and intra-specific competition among larvae on larval, adult, and life-table traits of *Aedes aegypti* and *Aedes albopictus* females. *Ecological Entomology* 41(2): 192–200.
- Noden, BH**, Coburn, L, Wright, R, & Bradley, K. 2015. An updated checklist of the mosquitoes of Oklahoma including new state records and West Nile Virus vectors, 2003-06. *Journal of the American Mosquito Control Association* 31(4):336-345.
- Noden, BH**, Soni, M. 2015. Vector-borne diseases of small companion animals in Namibia: Literature review, knowledge gaps, and opportunity for a One Health approach. *Journal of the South Africa Veterinary Association*. 86 (1): 1307.
- Garvin SD, **Noden BH**, Dillwith JW, Fox SF, Payton ME & Barker RW. 2015. Sylvatic infestation of reptiles of Oklahoma with immature *Ixodes scapularis* (Acari: Ixodidae). *Journal of Medical Entomology* 52(5): 873-878.
- Noden, BH**, van der Colf, B\*, de Waal-Miller, C, Nowaseb, V. 2015. Profile, perceptions, and future expectations of Medical Laboratory Scientists in Namibia. *African Journal of Laboratory Medicine* 4(1): 246. <http://dx.doi.org/10.4102/ajlm.v4i1.246>.
- Noden, BH**, Arnold, D, Grantham, R. 2015. First report of adult *Amblyomma longirostre* (Acari: Ixodidae) in Oklahoma. *Systematic & Applied Acarology* 20(5): 468-470. The picture in the paper was used as the cover picture of the July 2015 cover of the journal.
- Sousa-Figueiredo, JC, Stanton, MC, Katokele, S, Arinaitwe, M, Adriko, M, Balfour, L, Reiff, M, Lancaster, W, **Noden, BH**, Bock, R, Stothard, JR. 2015. Mapping of schistosomiasis and soil-transmitted helminths in Namibia: the first large-scale protocol to formally include rapid diagnostic tests. *PLOS Neglected Tropical Diseases* 9(7): e0003831.
- Manyarara, R, Tubbesing, U, Soni, M, **Noden, BH**. 2015. Serodetection of *Ehrlichia canis* among dogs in Central Namibia. *Journal of the South African Veterinary Association*. 86(1): 1272.
- Paddock CD, Dension AM, Dreyden MW, **Noden BH**, Lash RR, Abdelghani SS, Evans A, Ganta RR, Little SE. 2015. High prevalence of “Candidatus *Rickettsia andeanae*” and apparent exclusion of *Rickettsia parkeri* in adult *Amblyomma maculatum* (Acari: Ixodidae) from Kansas and Oklahoma. *Ticks and Tick-borne Diseases* 6(3):297-302.
- Noden, BH**, Coburn, L, Wright, R, & Bradley, K. 2015. Updated distribution of *Aedes albopictus* in Oklahoma, USA and implications for arbovirus transmission. *Journal of the American Mosquito Control Association*. 31(1): 93-96.
- Barrett, AW\*, **Noden, BH**, Gruntmeir, JM\*, Holland, T\*, Mitcham, JR\*, Martin, JE\*, Johnson, EM, Little, SE. 2015. County scale distribution of *Amblyomma americanum* in Oklahoma:

- addressing local deficits in tick maps based on passive reporting. *Journal of Medical Entomology*. 52(2): 269–273.
- Murrell, EG, **Noden, BH**, Juliano, SA. 2015. Contributions of temporal segregation, oviposition choice, and non-additive effects of competitors to invasion success of *Aedes japonicus* (Diptera: Culicidae) in North America. *Biological Invasions* 17(6): 1669-1681.
- Haimbodi, F, Mavenyengwa, RT & **Noden, BH**. 2014. Knowledge and practices about rabies and companion animal care among residents of two towns in northern Namibia. *Southern African Journal of Infectious Diseases*. 29(4):141-146. (<http://www.sajei.co.za/index.php/SAJEI/article/view/619/845>)
- van der Colf, BE\*, **Noden, BH**, Wilkinson, R, Chipare, I. 2014. Low seroprevalence of antibodies to *Toxoplasma gondii* among blood donors in central Namibia. *Southern African Journal of Infectious Diseases* 29(3): 101-104. (<http://www.sajei.co.za/index.php/SAJEI/article/view/591>)
- Noden, BH**, Tshavuka, F\*, van der Colf, BE\*, Chipare, I., Wilkinson, R. 2014. Sero-prevalence of *Coxiella*, spotted fever and typhus group rickettsia, and *Bartonella henselae* antibodies among blood donors in Namibia. *PLOS One* 9(9):e108674.
- Noden, BH**, AkuAkai, L, Musoo, M\*, Chipare, I., Wilkinson, R. 2014. Risk assessment of flavivirus transmission in Namibia. *Acta Tropica* 137: 123–9.
- Noden, BH**. 2013. Trends in biomedical research in Namibia: 1995-2009. *PROGRESS Multidisciplinary Research Journal* (Peer-reviewed local journal in Namibia). 2(1): 51-67. (<http://ir.polytechnic.edu.na/handle/10628/406?mode=full>).
- Noden, BH.**, van der Colf, E\*. 2013. Neglected Tropical Diseases of Namibia: unsolved mysteries. *Acta Tropica*. 125 (1):1-17.
- Noden, BH**, Du Plessis, E.C., Morkel, C., Tubbesing, U., and Soni, M. 2013. *Anatrichosoma sp.* in the footpads of a cat: diagnosis and pathology of Namibian case. *Veterinary Parasitology*. 191(3-4):386-9.
- Noden, BH**, Vaughan, JA, Pumpuni, CB & Beier, JC. 2011. Mosquito ingestion of antibodies against mosquito midgut microbiota improves conversion of ookinetes to oocysts for *Plasmodium falciparum*, but not *P. yoelii*. *Parasitology International* 60: 440-446.
- Noden, BH**, Pearson, JC, Gomes, A. 2011. Mortality Patterns in Central Mozambique during and after the end of the Civil War. *Conflict and Health* 26;5(1):8.
- Pfeiffer, A^, **Noden, BH**^, Walker, Z and Aarts, R. 2011. General population and medical students' perceptions of good and bad doctors in Mozambique. *Education for Health* 24 (1):387. (^Co-authors).
- Noden, BH**. 2011. Biomedically-focused research productivity by Namibian authors and institutions 1995-2010. *PROGRESS Multidisciplinary Research Journal*; 1(1): 1-17. (<http://ir.polytechnic.edu.na/bitstream/10628/282/1/Noden.pdf>).
- Noden, BH**, Ferreira, A, and Gomes A. 2010. Influence of religious affiliation and education on HIV knowledge and HIV-related sexual practices among unmarried youth in rural central Mozambique. *AIDS Care*, 22: 1285-1294.

- Noden, BH**, Ferreira, A, and Gomes A. 2009. AIDS-related knowledge and sexual behavior among married and previously married persons in rural Central Mozambique. *SAHARA Journal*, 6, 134-144.
- Patz, JA, Strzepek, K, Lele, S, Hedden, M, Greene, S, **Noden, B**, Hay, SI, Kalkstein, L, Beier, JC. 1998. Predicting key malaria transmission factors, biting and entomological inoculation rates, using modelled soil moisture in Kenya. *Trop Med and Internatl. Health*. 3: 818-827.
- Noden, BH**, Radulovic, S, Higgins, JA, Azad, AF. 1998. Molecular identification of *Rickettsia typhi* and *R. felis* in co-infected *Ctenocephalides felis*. *J. Med. Entomol.* 35: 410-414.
- Higgins, JA, Radulovic, S, **Noden, BH**, Troyer, JM, Azad, AF. 1998. Reverse Transcriptase PCR amplification of *Rickettsia typhi* from infected mammalian cells and insect vectors. *J. Clin. Microbiol.* 36: 1793-4.
- Azad, AF, Radulovic S, Higgins, JA, **Noden, BH**, Troyer, JM. 1997. Flea-borne rickettsioses: ecologic considerations. *Emerging Infectious Dis.* 3: 319-27.
- Noden, BH**, Kent, MD, Beier JC. 1995. The impact of variations in temperature on early *Plasmodium falciparum* development in *Anopheles stephensi*. *Parasitology* 111: 539-545.
- Noden, BH**, Pumpuni, CB, Vaughan, JA, Beier JC. 1995. Non-infectious sporozoites in the salivary glands of a minimally susceptible anopheline mosquito. *J of Parasitol* 81: 912-5.
- Noden, BH**, Vaughan, JA, Ibrahim, MS, Beier, JC. 1995. An immunological factor which affects *Anopheles gambiae* survival. *J. Am. Mosq. Cont. Assoc.* 11: 45-9.
- Mendis C, **Noden BH**, Beier JC. 1994. Exflagellation responses of cultured *Plasmodium falciparum* (Haemosporida: Plasmodiidae) gametocytes to human sera and midguts of anopheline mosquitoes (Diptera: Culicidae). *J. Med. Entomol.* 31: 767-769.
- Noden BH**, Beadle PS, Vaughan JA, Pumpuni CB, Kent MD, Beier JC. 1994. *Plasmodium falciparum*: the population structure of mature gametocyte cultures has little effect on their innate fertility. *Acta Tropica.* 58: 13-19.
- Vaughan JA, **Noden BH**, Beier JC. 1994. Sporogonic development of *Plasmodium falciparum* in six species of laboratory-infected *Anopheles* mosquitoes. *Am. J. Trop. Med. Hyg.* 51:233-243.
- Vaughan JA, **Noden BH**, Beier JC. 1994. Effect of prior blood feeding on the susceptibility of *Anopheles gambiae* (Diptera: Culicidae) to infection with cultured *Plasmodium falciparum* (Haemosporida: Plasmodiidae). *J. Med. Entomol.* 31: 445-449.
- Beier JC, Beier MS, Vaughan JA, Pumpuni CB, Davis JR, **Noden BH**. 1992. Sporozoite transmission by *Anopheles freeborni* and *Anopheles gambiae* experimentally infected with *Plasmodium falciparum*. *J. Am. Mosq. Cont. Assoc.* 8: 404-408.
- Beier JC, Vaughan JA, Madani A\*, **Noden BH**. 1992. *Plasmodium falciparum*: release of circumsporozoite protein by sporozoites in the mosquito vector. *Exp. Parasitol.* 75:248-256.

Beier MS, Davis JR, Pumpuni CB, **Noden BH**, Beier JC. 1992. Ingestion of *Plasmodium falciparum* sporozoites during transmission by anopheline mosquitoes. Am. J. Trop. Med. Hyg. 46:195-200.

Vaughan JA, **Noden BH**, Beier JC. 1992. Population dynamics of *Plasmodium falciparum* sporogony in laboratory-infected *Anopheles gambiae*. J. Parasitol. 78:716-724.

Vaughan, JA, **Noden BH**, Beier JC. 1991. Concentration of human erythrocytes by anopheline mosquitoes (Diptera: Culicidae) during feeding. J. Med. Entomol. 28: 780-786.

Beier JC, Davis JR, Vaughan JA, **Noden BH**, Beier MS. 1991. Quantitation of *Plasmodium falciparum* sporozoites transmitted in vitro by experimentally infected *Anopheles gambiae* and *Anopheles stephensi*. Am. J. Trop. Med. Hyg. 44:564-570.

### **Theses and research reports**

Pike, Krista. 2016. Responses of the Gulf Coast Tick to odorants to enhance field collection and a knowledge, attitude and practice survey of ticks with Oklahoma beef producers. Oklahoma State University. Advisor and committee chair: Master's degree.

Martin, Jaclyn. 2016. Distribution of Ticks of Medical and Veterinary Importance Along the Chisholm Trail and Development of a Molecular Assay to Detect *Rickettsia* spp. in Field-Collected Ticks in Oklahoma. Oklahoma State University. Advisor and committee chair: Master's degree.

Mitcham, Jessica. 2015. Updated Ecology and Distribution of Tick Species in Oklahoma. . Oklahoma State University. Advisor and committee chair: Master's degree.

de Waal-Miller, C. 2015. Compilation of Clinical Laboratory Results and Determination of Reference Ranges for the Clinical Laboratory in Namibia. Cape Peninsula University of Technology. Co-supervisor: Master's Degree

Undergraduate Honors research mini-thesis – Namibia (2011-13):

Haimbodi, F. 2013. Awareness of Rabies between Ondangwa and Ongwediva in Oshana region, Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor

Iyambo, WE. 2013. Factors contributing to possible future RVFV outbreaks in Namibia. Polytechnic of Namibia, Biomedical Science. Partial supervision

Nghidepo, L. 2013. Epidemiology and awareness of dog rabies in humans in Central Namibia. Polytechnic of Namibia, Biomedical Science. Partial supervision

Shikomba, A. 2013. Prevalence and awareness of Taeniasis / cystercercosis in Oshana (Emono village) Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor

Shoombe, E. 2013. Prevalence of hepatitis, syphilis, and HIV among blood donors from 2000-2012. Polytechnic of Namibia, Biomedical Science. Partial supervision

Ellitson, D. 2012. Investigation of turnaround time of CD4 samples at the Namibian Institute of Pathology reference laboratory. Polytechnic of Namibia, Biomedical Science. Supervisor

Gaweses, E. 2012. Infant diagnosed with haemolytic anaemia presumed as hereditary spherocytosis: A case report. Polytechnic of Namibia, Biomedical Science. Supervisor

Haikali, S. 2012. Knowledge and practices regarding Cholera among Okuryangava and Oshitenda Settlements, Katatura, Windhoek. Polytechnic of Namibia, Biomedical Science. Supervisor

Isack, H. 2012. Prevalence of dental conditions in Windhoek, Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor

Itana, R. 2012. Evaluation of hemoglobin concentration in first time and repeating male and female donors in Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor

- Mudaba, V. 2012. Knowledge Attitudes Practices of male circumcision in Windhoek. Polytechnic of Namibia, Biomedical Science. Supervisor
- Musuuo, M. 2012. Ecology of mosquitoes in discarded tires in Windhoek and the public health implications. Polytechnic of Namibia, Environmental Health. Co-supervisor
- Shikulo, P. 2012. Prevalence of anemia in catheterized children with Ventricular Septal Defect (VSD) in Windhoek – Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor
- Shinangolo, L. 2012. Prevalence of different skin cancers in Namibia 1995-2009. Polytechnic of Namibia, Biomedical Science. Supervisor
- Shitaleni, H. 2012. Prevalence of facial anomalies for cleft lip and palate deformities in Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor
- Sikukutu, S. 2012. Prevalence of Onyalai in Rundu, Namibia for past 5 years. Polytechnic of Namibia, Biomedical Science. Supervisor
- Simana, T. 2012. Case Study: 19 year old Namibian male diagnosed with osteosarcoma. Polytechnic of Namibia, Biomedical Science. Supervisor
- Kwedhi, J. 2012. Side effects of ARV therapy in HIV positive patients in Windhoek. Polytechnic of Namibia, Biomedical Science. Supervisor
- Vries, P. 2012. Breast cancer awareness among women visiting Medical Imaging Roman Catholic Hospital Mammography Dept, Windhoek. Polytechnic of Namibia, Biomedical Science. Supervisor
- Cramer, I. 2011. The effect of time and temperature on the International Normalized ratio in the Namibian context. Polytechnic of Namibia, Biomedical Science. Supervisor
- Gideon, T. 2011. Effects of TB on the immune system of HIV/AIDS patients on HAART in Windhoek. Polytechnic of Namibia, Biomedical Science. Supervisor
- Hauwanga, E. 2011. Case study: acute myeloid leukemia in adult patient in Khomas region. Polytechnic of Namibia, Biomedical Science. Supervisor
- Kalangula, E. 2011. Iron deficiency anaemia in female Namibian adolescents. Polytechnic of Namibia, Biomedical Science. Supervisor
- Kapindi, N. 2011. Antibiotic sensitivity differences for TB in immunocompromised patients. Polytechnic of Namibia, Biomedical Science. Supervisor
- Kauaria, J. 2011. Comparison of molecular techniques with microscopy for the detection of mycobacterium tuberculosis in Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor
- Nakwafila, O. 2011. Fecal contamination in various sources of water in the Windhoek area. Polytechnic of Namibia, Biomedical Science. Supervisor
- Shiyuka, P. 2011. Safety awareness and adherence of laboratory personnel at the NIP. Polytechnic of Namibia, Biomedical Science. Supervisor
- Tjitendero, U. 2011. Incidence of Rhesus D (RhD) haemolytic disease of newborns in Namibia. Polytechnic of Namibia, Biomedical Science. Supervisor

**Noden, BH.** 1995. Factors influencing sporogonic life-stage development of *Plasmodium* parasites in anopheline mosquitoes.

**Noden, BH.** 1989. Ecology and social clan behaviors of Spotted Hyena (*Crocuta crocuta*) in East Africa. Senior research presentation.

#### **Extension and outreach publications**

Talley, J., **Noden, B.** Oklahoma mosquitoes and Zika. 'E-Pest alerts' newsletter (Vol 15, No. 24) – June 2016.

Talley, JL, **Noden, BH.** 2014. Rain and the mosquitoes they bring! 'E-Pest alerts' newsletter (Vol 13, No 20) (<http://entopl.okstate.edu/pddl/pddl/2014/PA13-20.pdf>).

**Noden, BH,** Talley, JL. 2014. Heartland Virus and Lone Star Ticks. 'e-Pest alerts' newsletter (Vol. 13, No. 18) (<http://entopl.okstate.edu/pddl/pddl/2014/PA13-18.pdf>).

- Talley, JL, Jaworski, DC, **Noden, BH**, Kocan, KM, & Little, SE. 2014. Common ticks of Oklahoma and Tick-borne Diseases. Extension Fact Sheet EPP-7001 updated (<http://pods.dasnr.okstate.edu/docushare/dsweb/Get/Document-2097/EPP-7001web.pdf>).
- Noden, BH**, Wood T, Wood B, Middendorf C. 2005. 12 module curriculum to orient new personnel arriving in Mozambique. The design was a 6 month, activity-based orientation program to focus members on social and cultural adaptation to their new majority world environment. Used 15+ African countries where NGO works.
- Noden, BH**. Escolha a Vida (Choose Life). 2004. 40,000 copies distributed widely by a variety of NGOs and charities in Mozambique and Angola. Translated into 3 indigenous languages.
- Noden, BH**, Middendorf C. 2002. Orientation booklets for newly arriving NGO personnel. Adopted for other 15+ countries where NGO is involved.
- Noden BH**, Noden ML. 1999. Escolha a Esperança (Choose Hope (MAP International)). HIV/AIDS curriculum translated into Portuguese for use in secondary and undergraduate level institutions in Portuguese-speaking Africa.

### **SCIENTIFIC PRESENTATIONS AND ABSTRACTS**

- Dubie, TR, **Noden, BH**, Talley, JL. 2016. Phenology and ecology of tick species parasitic on cattle and wildlife in Oklahoma. Presentation by TRD at International Congress of Entomology meeting in Orlando, FL (Sept 25-30, 2016).
- Noden, BH**, Loss, SR. Loss, Maichak, C., Williams, F. 2016. Risk of encountering ticks and tick-borne pathogens within a rapidly growing metropolitan area on the United States. Great Plains. Presentation by BHN at the ICE meeting in Orlando, FL (Sept 25-30, 2016).
- Wayadande, A., **Noden, BH**. 2016. Biting the hand that feeds you: Mosquito stylet-probing behavior revealed by EPG. Presentation by AW at ICE meeting, Orlando, Florida (Sept 25-30, 2016).
- Wayadande, A., Hess, T., **Noden, BH**. 2016. Mosquito probing behavior revealed by electrical penetography. Presentation by AW at the Livestock Insect Worker's Conference in Oklahoma City, OK (June 26-29, 2016).
- Pike, K, **Noden, BH**. 2016. Responses of *Amblyomma maculatum* to odorants to enhance field collection. Presentation given by KP at the Livestock Insect Worker's Conference in Oklahoma City, OK (June 26-29, 2016).
- Dubie, TR, **Noden, BH**, Talley, JL. 2016. Phenology and ecology of tick species parasitic on cattle and wildlife in Oklahoma. Presentation by TRD at the Livestock Insect Worker's Conference in Oklahoma City, OK (June 26-29, 2016).
- Noden, BH**, Dubie, TR. 2016. : Have two recent invasion events changed the risk of encountering tick-borne diseases in Oklahoma? Implications for livestock production in the Great Plains region. Presentation given by BHN at the Livestock Insect Worker's Conference in Oklahoma City, OK (June 26-29, 2016).
- Noden, BH**, Dubie, TR. 2016. Changing county-based distribution of human Spotted Fever group rickettsiosis and ehrlichiosis in Oklahoma between 2000 and 2012 due to invasive Eastern red cedar (*Juniperus virginiana*). Poster given by BHN at the Entomological Society of America's Integrated Tick Management Symposium: Solving America's Tick-Borne Disease Problem (Washington DC) in May 2016.
- van der Colf, BE, van Zyl, GU, **Noden, BH**. 2016. Review: Rubella immunity and Congenital Rubella Syndrome (CRS) in some developing countries. Poster presented on Research Day at the Faculty of Health and Applied Sciences, Namibia University of Science and Technology in May 2016.
- St Aubin, D, Hoback, WW, **Noden, BH**. 2016. Underwater Ticks: Survival of Immersion Varies Among Six Tick Species. Presentation by DSA at the SW Branch Entomological Society of America meeting in Tyler, TX (Feb 22-25, 2016).

- Noden, BH**, Loss, SR. Loss, Maichak, C., Williams, F. 2016. Risk of encountering ticks and tick-borne pathogens within a rapidly growing metropolitan area in the U.S. Great Plains. Presentation by BHN at the SW Branch Entomological Society of America meeting in Tyler, TX (Feb 22-25, 2016).
- Pike, K, **Noden, BH**. 2016. Responses of *Amblyomma maculatum* to odorants to enhance field collection. Presentation given by KP at the SW Branch ESA meeting (Tyler, TX) in February 2016. [**First place Master's Research Presentation Award**].
- Noden, BH**, Dubie, TR. 2016. Invasive Eastern red cedar provides habitat for *A. americanum* to invade new areas of Oklahoma. Poster given by BHN at the SW Branch ESA meeting (Tyler, TX) in February 2016.
- Dubie, TR, **Noden, BH**, Talley, JL. 2016. Phenology and Ecology of Tick Species Parasitic on Cattle in Oklahoma. Poster presented by TRD at SW Branch ESA meeting (Tyler, TX) in February 2016.
- Hess, T, Wayadande, A, **Noden, BH**. 2016. Electrical penetration graph recordings of mosquito (Diptera: Culicidae) feeding on artificial substrates. Poster presented by TH at the SW Branch ESA meeting (Tyler, TX) in February 2016. [**Third place Undergraduate Research Poster Award**]
- Martin, J, **Noden, BH**. 2015. Detection of *Rickettsia* spp in field-collected ticks using loop-mediated isothermal amplification (LAMP). Poster given by JM at the Annual ESA meeting (Minneapolis, MN) in November 2015.
- Jenkins, T, Hoback, WW, **Noden, BH**. 2015. "Can you beat DEET?": Efficacy of DEET-free insect repellents on adult and nymphal *Dermacentor variabilis* and *Amblyomma americanum* (Acari: Ixodidae). Presentation given by TJ at the Annual ESA meeting (Minneapolis, MN) in November 2015.
- Pike, K, **Noden, BH**. 2015. Responses of *Amblyomma maculatum* to odorants to enhance field collection. Presentation given by KP at the Annual ESA meeting (Minneapolis, MN) in November 2015.
- Noden, BH**, Dubie, TR. 2015. Invasive Eastern red cedar provides habitat for *A. americanum* to invade new areas of Oklahoma. Presentation given by BHN at the Annual ESA meeting (Minneapolis, MN) in November 2015.
- Noden, BH**, Coburn, L, Wright, R, & Bradley, K. 2015. Survey of mosquito fauna and updated checklist of the mosquitoes of Oklahoma including new state records, updated distribution of *Aedes albopictus*, and potential vectors of West Nile virus. Poster presented by BHN at the Annual ESA meeting (Minneapolis, MN) in November 2015.
- Mitcham, J, **Noden, BH**. 2015. Risk of exposure to ticks and tick-borne pathogens in Oklahoma State Parks. Presentation by JM at Annual ESA meeting (Minneapolis, MN) in November 2015.
- Dubie, TR, **Noden, BH**, Talley, JL. 2015. Phenology and ecology of tick species parasitic on attle in Oklahoma. Poster presented by TRD at Annual ESA meeting (Minneapolis, MN) in November 2015.
- Juliano, S., McIntire, K, Moss, A, **Noden, B**, Fader, JE, O'Neal, PA. 2015. Density effects on *Aedes albopictus*: Unintended consequences of mosquito control? MUVE Section Symposium: 30 Years of Hunting the Tiger. *Aedes albopictus* in America: Current Perspectives and Future Challenges. Presentation by SAJ at Annual ESA meeting (Minneapolis, MN) in November 2015.
- Talley, J, Scasta, J, Payne, J, Dubie, T, Richards, C, Rolf, M, **Noden, B**. 2015. Cross-disciplinary dialog between animal scientists, rangeland ecologists and veterinary entomologists leads to novel control practices of external parasites in beef systems. P-IE Section Symposium: Synergy in Agricultural Pest Control: Use of Interdisciplinary Approaches to Feed a Growing Population. Presentation by JT at Annual ESA meeting (Minneapolis, MN) in November 2015.

- Noden, BH**, Robideau, A., Klein, T, Murrell, E. 2015. Life on the edge: investigations into herbicide effects on mosquito life history traits. Symposium: Update on Research of Blood Feeders with Veterinary, Medical, and Urban Importance in the Southwest. Presentation by BHN at the SW Branch ESA meeting, Tulsa, OK (February).
- Noden, BH**, Coburn, L, Wright, R, & Bradley, K. 2015. Survey of mosquito fauna and updated checklist of the mosquitoes of Oklahoma including new state records, updated distribution of *Aedes albopictus*, and potential vectors of West Nile virus. Poster presented by BHN at the SW Branch ESA meeting, Tulsa, OK (February).
- Dubie, TR, **Noden, BH**, Talley, JL. 2015. Phenology and Ecology of Tick Species Parasitic on Cattle in Oklahoma. Poster presented by TRD at the SW Branch ESA meeting, Tulsa, OK (February).
- Mitcham, JR, **Noden, BH**. 2015. County Scale Distribution of Oklahoma Tick Species of Medical and Veterinary Importance. Presentation by JRM at the SW Branch ESA meeting, Tulsa, OK (February).
- Martin, J., **Noden, BH**. 2015. Risk of exposure to ticks and tick-borne pathogens in state parks in Oklahoma. Presentation by JM at the SW Branch ESA meeting, Tulsa, OK (February). (2nd Place Master's Ten-minute paper)
- Martin, JE, **Noden, BH**. 2014. Along the Chisholm Trail: Establishing the distribution of Lone Star tick (*Amblyomma americanum*) populations in Oklahoma. Oral presentation at the Entomological Society of America meeting in Portland, OR (November).
- Mitcham, JP, Skinner, D, Johnson, E, **Noden, BH**. 2014. Ticks and tick-borne pathogens from two populations of American Black Bear in Eastern Oklahoma. Oral presentation at the Entomological Society of America meeting in Portland, OR (November).
- de Waal-Miller, C., **Noden, B.**, Kaura, H., Esterhuyse, J. 2014. Compilation of Clinical Laboratory Results and Determination of Reference Ranges for the Clinical Laboratory in Namibia. Poster presented by CdeWM at the World Congress of Biomedical Laboratory Science in Taipei, Taiwan (October)
- Mitcham, JP, Skinner, D, Johnson, E, **Noden, BH**. 2014. Tick species found on two populations of American black bear (*Ursus americanus*) in eastern Oklahoma. Oral presentation by JPM at the Central Plains Society of Mammology, Bull Shoals Field Station (MSU), MO (October).
- Barrett, AW, **Noden, BH**, Gruntmeir, JM, Johnson, EM, Little, SE. 2014. County scale distribution of *Amblyomma americanum* in Oklahoma: updating maps and prevalence of *Rickettsia* spp. Presentation at the BMBGSA 11th Annual Symposium (September)
- Skinner, D, Mitcham, J, **Noden, B**, Starkey, L, Johnson, E, Fairbanks, S, Little, S. 2014. Prevalence of tick species and *Ehrlichia* spp. in Oklahoma black bears (*Ursus americanus*). Poster presentation at Summer Research Training Program, Cornell, NY. (July)
- Barrett, A., Noden, B., Gruntmeir, J., Johnson, EM., Little, SE. 2014. County scale distribution of *Amblyomma americanum* in Oklahoma: addressing local deficits in tick maps based on passive reporting. Poster presentation at the American Association of Veterinary Parasitologists in Denver, CO. (July)
- Martin, J., **Noden, BH**. 2014. Where the wind comes sweepin' down the plain: an update on vector-borne disease research in Oklahoma. Poster presented by JM at the SouthWest branch ESA meeting, San Antonio, TX (February).
- Noden, BH**, AkuAkai, L, Musoo, M, Chipare, I, Wilkinson, R. 2014. Risk assessment of dengue transmission in Namibia. Poster presented by BHN at SouthWest branch ESA meeting, San Antonio, TX (February).
- Juliano, SA., O'Neal, PA., Fader, JE., Murrell, EG., **Noden, BH**. 2013. Competition and coexistence among invasive *Aedes*: insights from ecological theory. Presentation by SAJ at Annual ESA meeting, Austin, TX (November).



- de Waal-Miller, C\*, **Noden, BH**, Esterhuyse, J. 2013. Compilation of clinical laboratory results and determination of reference ranges for the clinical laboratory in Namibia. Poster presented by CWM at Institute of Biomedical Science Congress, Birmingham, UK (September).
- van der Colf, B.E. & **Noden, BH**. 2013. Seroprevalence of IgG and IgM antibodies to *Toxoplasma gondii* among blood donors in central Namibia. Poster presented at the Laboratory Medicine Congress in Cape Town, South Africa (August).
- Noden, BH**. 2013. Your memories could kill you: Evaluation of flavivirus exposure among Namibian blood donors. Presented at PoN School of Health and Applied Sciences Research Day 2013 (May).
- Noden, BH**, Tshavuka, F.\*, van der Colf, B.E. 2012. Seroprevalence of *Coxiella*, spotted fever group and typhus group rickettsial antibodies among blood donors in Namibia. Poster presented BHN at American Society of Tropical Medicine and Hygiene meeting, Atlanta, GA (November).
- Noden, BH** & van der Colf, E. 2012. HELP! I need a research project: Neglected Tropical Diseases in Namibia. Poster presented by EvcC at the School of Health and Applied Sciences Research Day at Polytechnic of Namibia, May 2012.
- de Waal-Miller, C\*, van der Colf, E & **Noden, BH**. 2012. Development and Implementation of a Medical Laboratory Science Programme in Namibia. Poster presented by CWM at the School of Health and Applied Sciences Research Day at Polytechnic of Namibia, May 2012.
- Noden, BH**, Morkel, C, Manyanara, R\*, Tubbesing & Soni, M. 2011. Emerging zoonotic diseases of companion animals in Namibia. Poster presented by BHN at the American Society of Tropical Medicine and Hygiene meeting in Philadelphia, Pennsylvania (Dec 4-8).
- Breaux, J\*, **Noden, B** & Juliano, SA. 2010. Lingering effects of a hard childhood: Larval competition and adult mosquito immunity. Poster presented by JB at the Entomological Society of America meeting in San Diego, California
- Noden, BH**, O'Neil, PA\*, Fader, JE\* & Juliano, JA. 2009. Impact of larval competition on adult female mosquito life-history traits. Poster presented by BHN at the American Society of Tropical Medicine and Hygiene meeting in Washington D.C.
- Pfeiffer, A, **Noden, B**, Walker, Z and Aarts, R. 2005. "Cultural perceptions of the medical profession." Presented at the Making Primary Health Care Work: Challenges and Practice of the Health Workforce International Conference in Ho Chi Minh City, Vietnam.
- Noden, BH**, Pumpuni, CB and Beier, JC. 1994. "The production of non-infectious sporozoites in a minimally susceptible anopheline species." Presented at the American Society of Tropical Medicine and Hygiene meeting in Cincinnati, Ohio.
- Noden BH**, Beadle PS\*, Vaughan JA and Beier JC. 1993. "Critical parameters of cultured *Plasmodium falciparum* gametocytes that affect infections in *Anopheles gambiae* mosquitoes." Presented at the American Society of Tropical Medicine and Hygiene meeting in Atlanta, GA.
- Vaughan JA, **Noden BH** and Beier JC. 1993. "Sporogonic development of *Plasmodium falciparum* in six species of laboratory-infected *Anopheles* mosquitoes. Presented by JAV at the American Society of Tropical Medicine and Hygiene meeting in Atlanta, GA.
- Noden BH**, 1992. "Immunological approaches for controlling mosquitoes and interrupting malaria transmission." Presented at the American Mosquito Control Association meeting in Corpus Christi, TX.
- Beier JC, Madani A, Vaughan JA and **Noden BH**. 1991. "*Plasmodium falciparum* sporozoite release of circumsporozoite protein in the mosquito host." Presented by JCB at the American Society of Tropical Medicine and Hygiene meeting in Boston, MA.

- Beier MS, Davis JR, Pumpuni CB, **Noden BH** and Beier JC. 1991. "Ingestion of *Plasmodium falciparum* sporozoites during transmission by anopheline mosquitoes." Presented by MSB at the American Society of Tropical Medicine and Hygiene Meeting in Boston, MA.
- Vaughan JA, **Noden BH** and Beier JC. 1991. "Population dynamics of *Plasmodium falciparum* within laboratory infected *Anopheles gambiae*." Presented by JAV at the American Society of Tropical Medicine and Hygiene meeting in Boston, MA.
- Davis JR, Beier JC, Vaughan JA, Beier MS and **Noden BH**. 1990. "Comparison of in vitro transmission of *Plasmodium falciparum* Welch (Coccidiida: Plasmodiidae) sporozoites by experimentally infected *Anopheles stephensi* Liston and *An. gambiae* Giles (Diptera: Culicidae)." Presented by JRD at the Entomological Society of America meeting in Baltimore, MD.
- Vaughan JA, **Noden BH** and Beier JC. 1990. "Erythrocyte concentration by anopheline mosquitoes and optimal foraging strategies." Presented by JAV at the Entomological Society of America meeting in Baltimore, MD.
- Beier JC, Davis JR, Vaughan JA, **Noden BH** and Beier MS. 1990. "Quantitation of *Plasmodium falciparum* sporozoites transmitted in vitro by experimentally infected *Anopheles gambiae* and *An. stephensi*." Presented by JCB at American Society of Tropical Medicine and Hygiene meeting in New Orleans, LA.

## SCHOLARLY ACTIVITIES

### INVITED LECTURES AND SEMINARS

- 2016 Presentation ENTO 4800-351 (Introduction to Research): Medical and Veterinary Entomology as a research option (October).
- 2016 Presentation, **Zika Virus**. Science Café at OSU library. Outreach presentation between researchers and members of the community (October).
- 2016 Field lab, (Applied Ecology and Conservation Lab). **The Ecology of Disease: Birds as Carriers of ticks and tick-borne pathogens**. Invited by Dr. Scott Loss. Involved three PMs (1:30-5:00pm) (October).
- 2016 Discussion, ENTO 5992 (Career Skills & Professionalism): **"Making a Strong Start in Your Career & Balancing Your Career & Personal Life."** (September)
- 2016 Presentation, **Tick-borne Diseases: Implications for county programming**. Family & Consumer Sciences Statewide In-Service training, Oklahoma City (April).
- 2016 Invited seminar, **Stirring the sand: Veterinary and Neglected Tropical Disease research in Namibia**. (February)
- 2016 Lecture, PLP/ENTO 2143 (Global issues in Agricultural Biosecurity and Microbial forensics). **Unwanted insects/pests of biosecurity relevance for the U.S. and Oklahoma**. (February)
- 2016 Workshop, ENTO 4800 (Lab rotation) Introduction to Medical and Veterinary Entomology for Undergraduates (February)
- 2015 Presentation ENTO 4800-351 (Introduction to Research): Medical and Veterinary Entomology as a research option (October).
- 2015 Field lab, (Applied Ecology and Conservation Lab). **The Ecology of Disease: Birds as Carriers of ticks and tick-borne pathogens**. Invited by Dr. Scott Loss. Involved three PMs (1:30-5:00pm) (October).
- 2015 Discussion, ENTO 5992 (Career Skills & Professionalism): **"Making a Strong Start in Your Career & Balancing Your Career & Personal Life."** (September)
- 2015 Seminar, Pre-Health 1<sup>st</sup> year students, Oral Roberts University, Tulsa, OK. **"You are the Light of the World: Global Health meets Missions in an ever expanding opportunity."** (September).

- 2015 Seminar, 66th Annual Pest Control Conference, Tulsa, OK: **Mosquitoes of Oklahoma/Vector Management**. (September)
- 2015 Lecture, PLP/ENTO 2143 (Global issues in Agricultural Biosecurity and Microbial forensics). **Unwanted insects/pests of biosecurity relevance for the U.S. and Oklahoma**. (February)
- 2015 Workshop, ENTO 4800 (Lab rotation) Introduction to Medical and Veterinary Entomology for Undergraduates (February)
- 2014 Presentation ENTO 4800-351 (Introduction to Research): Medical and Veterinary Entomology as a research option (October)
- 2014 Discussion, ENTO 5992 (Career Skills & Professionalism): **“Making a Strong Start in Your Career & Balancing Your Career & Personal Life.”** (September)
- 2014 Lecture, ENTO 4/5484 (Aquatic Entomology): **Beer, batteries, and weed: a focus on aquatic arthropod vectors of disease** (April)
- 2014 Lecture, ENTO 3003(Livestock Entomology).1) Epidemiology and 2) Pathogen Transmission (March)
- 2014 Lecture, PLP/ENTO 2143 (Global issues in Agricultural Biosecurity and Microbial forensics). **Unwanted insects/pests of biosecurity relevance for the U.S. and Oklahoma**. (February)
- 2013 Public lecture, Polytechnic of Namibia, Windhoek, May. **“Unsolved Mysteries in Wide Open Spaces: An update on Neglected Tropical Disease research in Namibia.”**
- 2013 Special seminar, Namibia Blood Transfusion Service, Windhoek, May. **“Exposure of Namibian blood donors to fever-causing bacteria spread by animal contact, ticks or fleas.”**
- 2013 Research seminar, Department of Entomology and Plant Pathology, Oklahoma State University, Stillwater, OK, March. **“Unsolved mysteries in wide open spaces: Vector-borne disease research in Namibia.”**
- 2013 Teaching seminar, Department of Entomology and Plant Pathology, Oklahoma State University, Stillwater, OK, March. **“Caught in the cycle: how science works”**
- 2012 Presentation, 1st year Immunology students, Polytechnic of Namibia, Oct. **“How immunology relates to mosquitocidal vaccines”**
- 2012 Presentation, CCC Student Forum, Polytechnic of Namibia and University of Namibia, Windhoek, May. **“How to get better grades...and have more fun”**
- 2011 Presentation, Seminar Series, School of Health and Applied Science, Polytechnic of Namibia, Windhoek, Namibia, March. **“Namibian tales: A bibliometric analysis of Namibian Publications on PubMed and Web of Knowledge 1995-2009”**
- 2008 Presentation, Division of Infectious Diseases, School of Medicine, University of Alabama Birmingham, April. **“Life in a waltz: Some thoughts on parasite-mosquito co-adaptation”**
- 2008 Presentation, BEES Brown Bag Series, Department of Biological Sciences, Illinois State University, April. **“Life in a waltz: Some thoughts on parasite-mosquito co-adaptation”**
- 2007 Presentation, CMDA, University of Illinois, College of Medicine, Peoria, IL. October. **“How does one work in the middle of an HIV bomb?”**
- 2007 Presentation, Senior Seminar, Millikin University. September. **“Why is everyone dying”: Factors contributing to the HIV/AIDS epidemic in Central Mozambique”.**
- 2007 National Council of Fight against AIDS in Mozambique. Beira, Mozambique. January. **“Conhecimento de HIV/SIDA e Comportamento Sexual no Sul da Sofala”** (Knowledge of HIV/AIDS and Sexual Behavior in Southern Sofala).
- 2004 Presentation, Richland Community College, Decatur, IL. Oct. **“Compassionate Care for the Hurting in Mozambique: some insights from working in the middle of the HIV/AIDS epidemic”**

- 2004 Presentation, Department of Medicine, University of Pittsburgh. June. **“Cultural factors which are contributing to the spread of HIV in the Central region of Mozambique.”**
- 2004 Presentation, Global Public Health Initiative, School of Medicine, Univ of Miami. April. **“A Sacred Dance: Some insights into working with faith-based organizations in a majority world setting.”**
- 1997 Presentation of Post-doc data, Vector Biology Forum, The Johns Hopkins School of Hygiene and Public Health, March. **“Infection and Immunity in Fleas”**
- 1994 Presentation, Annual meeting, Ohio Mosquito Control Association, Dayton, Ohio. Oct. **“Obstacles in producing mosquitocidal immunity using antibodies against *Anopheles gambiae* midgut antigens.”**
- 

## OUTREACH

- 2011 Speaker, Writing peer reviewed journal articles workshop, Directorate of Special Programs, Namibia Ministry of Health and Social Services and local CDC, Protea Hotel, Windhoek. One presentation: “Publication trends in Namibia 1995-2009”
- 2007 Speaker, HIV [e]ducation Workshop for 5th/6th year medical students, UCM Faculty of Medicine, Beira, Mozambique. Feb. “Os factores de risco contribuindo para a expansão de HIV/SIDA no Sul de Sofala” (Risk factors contributing to the spread of HIV/AIDS in Southern Sofala).
- 

## SERVICE

### Oklahoma State University

2013 – Member, Graduate College

### CASNR, OSU

- 2016 EPP representative, CASNR awards committee
- 2015-2017 CASNR representative, Academic Integrity Panel
- 2014 - Member, Effective Teaching Committee

### Entomology and Plant Pathology, OSU

- 2015- Chair, Tick Facility Oversight Committee
- 2014- Chair, PhD Entomology Assessment Committee
- 2014- Member, Undergraduate Scholarship Committee
- 2013- Member, Undergraduate Assessment Committee
- 2013- Member, Recruitment/Advising Committee
- 2013- Member, Curriculum Committee
- 2013- Member, Website Committee
- 2013-2015 Member, Tick Facility Oversight Committee

### Graduate Student Advisory Committee, OSU

- |      |                    |            |                    |
|------|--------------------|------------|--------------------|
| M.S. | Martin, Jaclyn     | Entomology | Chair (2013-2016)  |
| M.S. | Mitcham, Jessica   | Entomology | Chair (2014-2015)  |
| M.S. | Salazar, Jennifer  | Entomology | Member (2014-2015) |
| M.S. | Morris, Cade       | Entomology | Member (2014-2015) |
| M.S. | Paudyal, Sulochana | Entomology | Member (2014-2015) |
| M.S. | Pike, Krista       | Entomology | Chair (2014-2016)  |
| M.S. | Shannon, Ryan      | Zoology    | Member (2014-2016) |

M.S.	He, Xuesong	Entomology	Member (2014-2016)
M.S.	Ocran, Abena	Entomology	Member (2016- )
M.S.	Bradt, David	Entomology	Co-Chair (2016- )
Ph.D.	Cote, Nole	Entomology	Chair (2016- )
M.S.	Sherrill, Kylie	Entomology	Committee (2016- )
M.S.	Roselli, Megan	NREM	Co-Chair (2017- )
M.S.	Sanders Jordan	Entomology	Chair (2017- )

#### External Grant Proposal Reviews

2016 Peer Reviewer - University of Missouri Research Board.

#### Namibian Universities and Health-related entities

2012	<b>Chair</b> , School of Health and Applied Sciences (SHAS) Research Committee
2012-2013	<b>Research team</b> : Integrated mapping of schistosomiasis and soil-transmitted helminths. Joint project Namibia Ministry of Health and Social Services and Liverpool School of Tropical Medicine funded by END Fund [Geneva Global].
2012	<b>Advisor</b> : Nets for Life. Analysis and report writing - national bed-net project.
2011-2013	<b>Malaria Technical Task Force</b> : Vector-borne Disease Prevention and Control Program in the Ministry of Health and Social Services.
2011	<b>Representative Post-Graduate Committee</b> : School Health Applied Sciences
2010-2013	<b>Committee member</b> : School of Health & Applied Sciences (SHAS)
2010-2013	<b>SHAS representative</b> : Institutional Research & Publication Committee

#### University of Namibia

2016	<b>External examiner: Erastus Haindongo</b> : <i>Investigation into the risk factors for malaria transmission in the Omusati Region</i> . University of Namibia (Dept Biology) Master's thesis.
2015	<b>External examiner: Joyce Rose Namutenya Auala</b> : <i>Investigation of the epidemiology of malaria in the Engela Health District of the Ohangwena Region in Northern Namibia</i> . University of Namibia (Dept Biology) Master's thesis.
2014	<b>External examiner</b> : <i>Dust bathing behaviours of elephants, zebras, and wildebeest and the potential risk of inhalational anthrax in Etosha National Park</i> . (Zoe Barandongo) University of Namibia (Dept Biology) Master's thesis
2013	<b>External examiner</b> : <i>Influence of site and soil type on the distribution of anthrax infectious sites and the contribution of anthrax to elephant mortality in Etosha National Park</i> . (Claudine C Cloete) University of Namibia (Dept Biology) Master's thesis
2012	<b>External examiner</b> : <i>Evaluation of antimalarial properties of indigenous plants used by traditional healers in Namibia</i> (Iwannette du Preez) University of Namibia (Dept Biology) Master's Thesis
2011	<b>External reviewer</b> : <i>Application of nucleic acid diagnostics in clinical chemistry for early detection of bovine campylobacteriosis in Namibia</i> (Gottlieb Aikukutu) University of Namibia (Dept Biology) Master's Thesis

#### University of Zululand, Kwa-Zulu-Natal, South Africa

2013	<b>External examiner</b> : PhD thesis: <i>Developing a low-cost ceramic micro-porous water filter for removal of pathogenic microorganisms</i> . (Jean Jacques Simonis) University of Zululand (South Africa) (Dept Hydrology)
------	--

#### Mozambican Universities and NGOs

2005-2007	<b>Chair</b> , Research Advisory Council, Catholic University of Mozambique, Faculty of Health Sciences; Beira, Mozambique.
2005-2007	<b>Orientation Coordinator</b> , AIM Mozambique, Mozambique

2001-2005    **Strategy Coordinator**, AIM International Mozambique.

Johns Hopkins University

1993-1994    **Co-editor**, IIDiotype – a weekly newsletter for the Department of Immunology and Infectious diseases for faculty, students, and staff

---

**SCIENTIFIC JOURNALS**

Ad Hoc Reviewer – Acta Tropica -2009-

Ad Hoc Reviewer - Journal of Vector Ecology – 2014-

Ad Hoc Reviewer – Genome Biology and Evolution – 2015-

Ad Hoc Reviewer – Journal of the American Mosquito Control Association – 2015-

Ad Hoc Reviewer - Ecological Entomology – 2016 –

Ad Hoc Reviewer – Journal of South African Veterinary Association – 2016-

Ad Hoc Reviewer - Journal of Medical Entomology – 2008-

Ad Hoc Reviewer - Sultan Qaboos University Medical Journal – 2012

Ad Hoc Reviewer - Vector Borne and Zoonotic Diseases – 2011-2012

Ad Hoc Reviewer - AIDS Care – 2010-2012

Ad Hoc Reviewer - International Journal of Infectious Diseases – 2011

Ad Hoc Reviewer - SAHARA Journal – 2010

Ad Hoc Reviewer - Journal of Parasitology – 1997

**MEETING SESSIONS/EVENTS ORGANIZED / CHAIRED**

2012    Session Chair: Inaugural Research Day for School of Health and Applied Science,  
May 23, 2012, Windhoek, Namibia

2011    Session Co-Chair: Ectoparasites at the Annual ASTMH meeting, Philadelphia, PA,  
USA. Dec 15, 2011

---

**RECOGNITIONS, HONORS, AND AWARDS**

2012            Departmental Researcher of the year (PoN Biomedical Science).

2011            Departmental Researcher of the year (PoN Biomedical Science).

1994            Hegner-Cort-Root Fellowship for academic excellence and research potential in immunology and infectious diseases, Department of Immunology and Infectious Disease, School of Hygiene and Public Health, The Johns Hopkins University, Baltimore, MD

---

**MEMBERSHIP IN PROFESSIONAL SOCIETIES/ORGANIZATIONS**

American Society of Tropical Medicine and Hygiene: 1991-1997; 2007-present

Entomological Society of America - 1992-1995; 2013-present

American Committee of Medical Entomology (ACME): American Society of Tropical Medicine and Hygiene – 2013-present

American Mosquito Control Association – 1991-1993; 2014-present

---

**ADVISING AND MENTORING** (\*indicates students that have been mentored/advised under various statuses)

Post-doctoral fellows

2014- Dr. Trisha Dubie

Graduate students - Committee Chair

2013-2016	Jaclyn Martin	MS	Entomology and Plant Pathology (Chair)
2014-2015	Jessica Mitcham	MS	Entomology and Plant Pathology (Chair)
2014-2015	Jennifer Salazar	MS	Entomology and Plant Pathology (Member)
2014-2015	Cade Morris	MS	Entomology and Plant Pathology (Member)
2014-2015	Sulochana Paudyal	MS	Entomology and Plant Pathology (Member)
2014-2016	Krista Pike	MS	Entomology and Plant Pathology (Chair)
2014-2016	Shannon, Ryan	MS	Zoology (Member)
2014-2016	Xuesong He	MS	Entomology and Plant Pathology (Member)
2016-2018	Abena Ocran	M.S.	Entomology and Plant Pathology (Member)
2016-2017	David Bradt	M.S.	Entomology and Plant Pathology (Co-Chair)
2016-2019	Noël Cote	PhD	Entomology and Plant Pathology (Chair)
2016-2018	Kylie Sherrill	M.S.	Entomology and Plant Pathology (Member)
2017-2018	Megan Roselli	M.S.	NREM (Co-Chair)
2017-2018	Jordan Sanders	M.S.	Entomology and Plant Pathology (Chair)

Graduate students – Co-supervisor

2011-2015 M.S. Cornelia de Waal Miller Biomedical Science (Cape Peninsula University of Technology)

Independent Research Projects

2014 Alexandra Robideau: Effect of herbicidal treatments of mosquito larvae on adult life-history traits (3 credit hours).

2016 Jessica Lynn Smith: Collection and testing of field-collected fleas from dogs in Oklahoma City area for *R. typhi* and *R. felis*.

EPP Graduate Teaching Assistants (ENTO 2223)

2016 David Bradt  
2015 Jessica Mitcham  
2014 Jaclyn Martin  
2013 Tyler Ward

Summer Research Training Program, OSU School of Veterinary Medicine

2014 Delaina Skinner Tick-borne pathogen detection in Oklahoma black bear

Capstone research projects (ENTO 4800)

2017 Kari Lewis (Spring 2017)  
2016 Justin Turner (Fall 2016/Spring 2017)  
2016 Suzanna Davidson (Spring and Fall 2016)  
2016 Courtney Maichak (Fall 2015/Spring 2016)

Honors students

2016 Paige Chatham (ENTO 2223)  
2016 Melissa Crouch (ENTO 2223)  
2015 Hannah Paradis (ENTO 2223)

2015 Nona Campbell (ENTO 2223)  
2015 Thomas Hess (ENTO 4854)  
2014 Alex Skelton (ENTO 2223)  
2014 Collin Dean Devore (ENTO 2223)  
2013 Samantha Kaiser (ENTO 4854)  
2013 Jessica Shaw (ENTO 2223)

Undergraduate students /Research Assistants

2016 (Spr/Sum) Yisel Carrilo (Visiting scholar from Colombia)  
2016 (Summer) Jonathan Lehman (Dept Plant & Soil Sciences)  
2015 (Fall) Jennifer Salazar (Laboratory Research Assistant)  
2015 (Summer) Jennifer Siegmann (MS Mechanical Engineering)  
2014-2016 Faithful Williams (EPP – Lab projects)  
2014 Talan Klein (EPP – Mosquito projects)  
2012 Fillipus Tshavuka (PoN Biomedical Science)

Undergraduate researchers – Co-advisor [Polytechnic of Namibia]

Adams, Sadiya, B.S. Biomedical Science, 2013  
Amunyela, Emilia, B.S. Biomedical Science, 2013  
Angala, Angaleni, B.S. Biomedical Science, 2013  
Bock, Priscilla, B.S. Biomedical Science, 2013  
Hamutumwa, Kyllikkie, B.S. Biomedical Science, 2013  
Kamati, Oiva, B.S. Biomedical Science, 2013  
Kashile, Joolokeni, B.S. Biomedical Science, 2013  
Moses, Frederich, B.S. Biomedical Science, 2013  
Namukwiyu, Lovisa, B.S. Biomedical Science, 2013  
Ndjimba, Vistorina, B.S. Biomedical Science, 2013  
Nghitwikwa, Joolokeni, B.S. Biomedical Science, 2013  
Shatumbu, Saara, B.S. Biomedical Science, 2013  
Victor, Simeon, B.S. Biomedical Science, 2013  
Efraim, Martha, B.S. Biomedical Science, 2013  
Auala, Andreas, B.S. Biomedical Science, 2013  
Shikomba, Emilia, B.S. Biomedical Science, 2013  
Bauleth, Mirijam, B.S. Biomedical Science, 2013  
Ndevahoma, Fransina, B.S. Biomedical Science, 2013  
Broodryk, Annemieke, B.S. Biomedical Science, 2013  
Komomeya, Vapanawa, B.S. Biomedical Science, 2013  
Nashimba, Meduletu, B.S. Biomedical Science, 2013  
Britz, Carmen, B.S. Biomedical Science, 2012  
Dunaiski, Cara-Mia, B.S. Biomedical Science, 2012  
Itana, Remarti, B.S. Biomedical Science, 2012  
Joodt, Lizelia, B.S. Biomedical Science, 2012  
Kabotho, Katlego, B.S. Biomedical Science, 2012  
Kanyanga, Elizabeth, B.S. Biomedical Science, 2012  
Lucas, Adao, B.S. Biomedical Science, 2012  
Lucas, Theophilus, B.S. Biomedical Science, 2012  
Mbome, Cecilia, B.S. Biomedical Science, 2012  
Tshavuka, Filippus, B.S. Biomedical Science, 2012  
Van Wyk, Megan, B.S. Biomedical Science, 2012  
Wabomba, Silvia, B.S. Biomedical Science, 2012  
Hifindwako, Jasaya, B.S. Biomedical Science, 2011



Khiba, Larato, B.S. Biomedical Science, 2011  
Jafta, Ludmilla, B.S. Biomedical Science, 2011  
Pokolo, Helvi, B.S. Biomedical Science, 2011  
Jantjies, Elana, B.S. Biomedical Science, 2011  
Uushona, Loide, B.S. Biomedical Science, 2011  
Ndakundana. Kayofa, B.S. Biomedical Science, 2011  
Nakale, Tuyakula, B.S. Biomedical Science, 2011  
Naude, Marien, B.S. Biomedical Science, 2011  
Shixungileni, Amalia, B.S. Biomedical Science, 2011  
Seketa, Aune, B.S. Biomedical Science, 2011  
Kalimba, Patrika, B.S. Biomedical Science, 2011

### Mentoring

2010-2013	Polytechnic of Namibia	
	Graduate students	Carolie Cloete (postgraduate honors) Christo Isaaks (M.A., Thesis reader) Chris Hikuam (PhD, Dissertation reader)
2008-2010	Illinois State University	
	Graduate students	Joseph Fader (Masters) Paul O'Neal (Masters) Jennifer Breaux (PhD) Ebony Merrill (PhD)
	Undergraduates	Scott Chism / Brian Kuyke
1998-2007	A number of young Mozambican and expatriate leaders	
1995-1997	University of Maryland: Graduate students	Kyle McKenna (PhD) / Audrey Lau (PhD)