

# CURRICULUM VITAE: **KENT A. VLIET**

## PERSONAL INFORMATION

Present Address: University of Florida, Department of Biology,  
P.O. Box 118525, Gainesville, Florida 32611-8525

Telephone: Office: (352) 392-8130; Home: (386) 462-4298;  
Fax (352) 392-3704; Email: [kvliet@ufl.edu](mailto:kvliet@ufl.edu)

## EDUCATION

Bachelor of Science in Zoology, 1979. University of Oklahoma, Department of Zoology.

Doctor of Philosophy, 1987. University of Florida, Department of Zoology. Dissertation entitled "A quantitative analysis of the courtship behavior of the American alligator (*Alligator mississippiensis*)."

## PROFESSIONAL EXPERIENCE

### Present Position:

**Senior Associate in Biology**, Department of Biology, University of Florida. Responsibilities include (1) development of curriculum and coordination of three introductory biology laboratory courses for about 4,500 majors and non-majors per academic year, (2) training, supervision and evaluation of about 40-45 graduate student teaching assistants each semester, (3) authoring and editing of laboratory manuals, (4) supervision of laboratory staff employees, including a lab manager, teaching lab specialist, greenhouse manager, two OPS lab managers, and several OPS undergraduate assistants, (5) assign graduate teaching assistants to all upper division teaching labs and assist faculty in lab coordination support, (6) oversee lab material & supply and equipment fees for all Biology teaching lab courses in budget input, expenditure and accounting of capital and supply expenses, and (7) course and lecture and lab room scheduling, 2007-present, (8) responsible for IACUC and Animal Care Services requirements for live animal specimens used in teaching labs.

### Past Experience:

**Associate in Biological Sciences**, Department of Zoology, University of Florida. Coordinator of Laboratories, 1996-2007.

**Assistant in Biological Sciences**, Department of Zoology, University of Florida. Coordinator of Laboratories, 1994-1996.

**Post-doctoral Fellow**, Division of Biological Sciences, University of Florida. Coordinator of Laboratories, 1987-1994.

**Graduate Teaching Assistant**, Department of Zoology, University of Florida. Instructor in non-majors introductory biology laboratory, majors biology laboratory, and functional vertebrate anatomy laboratory, 1979-1987.

**Herpetological Collection Preparator**, Florida Museum of Natural History, University of Florida, 1980-1981.

**Herpetological Collection Preparator**, Stovall Museum of Science and History, University of Oklahoma, 1976-1979.

## PROFESSIONAL SOCIETIES

- American Society of Ichthyologists and Herpetologists
- The Herpetologists League
- Society for the Study of Amphibians and Reptiles

- Society of Comparative and Integrative Biology
- American Zoos and Aquariums Association

#### HONORARY SOCIETIES AND HONORS

- Phi Sigma, The Honorary Biological Society
- Sigma Xi, The Scientific Research Society
- Florida Panhellenic Association Most Dedicated Teacher Award, 1991.
- Online Teaching Excellence Award, Instructor, BSC 2009L Introductory Biology Laboratory, University of Florida, 23 April, 2015.

#### GRANTS RECEIVED

Center for Field Research (EARTWATCH)- “The Courtship of the American Alligator,” \$5,600, April 1981 to W. Auffenberg and K.A. Vliet.

Sigma Xi- “The Courtship of the American Alligator,” \$300, April 1982 to K.A. Vliet.

Sigma Xi- “The Courtship of the American Alligator,” \$200, April 1983 to K.A. Vliet.

Nixon Griffis Fund for Zoological Research, New York Zoological Society- “The Effects of Stocking Density on Plasma Steroid Levels in Captive Alligators,” \$3,000, November 1987 to K.A. Vliet and L.J. Guillette.

Morris Animal Foundation - Seroepidemiology of Septic Mycoplasmosis in the American alligator. \$27,660, 1999 to M.B. Brown, D.R. Brown, P.A. Klein, K.A. Vliet, E.R. Jacobson.

National Geographic Society- Cranial Biomechanics of Biting and Ecology of the World’s Crocodilians. \$14,900, May 2001 to G.M. Erickson, K.A. Vliet and A.K. Lappin.

#### UNFUNDED GRANT PROPOSALS

TA-led Integration of Publisher Resources to Improve Biology Labs. R. Darner, K.A. Vliet. 2009. NSF Course, Curriculum and Laboratory Improvement.

Multiscale structure-property relationships of alligator skin. Y. Chen, G. Sawyer, K.A. Vliet. 2008. College of Engineering, preproposal for new faculty grants.

Etiology, diagnosis, and prevalence of a fatal infectious disease of alligators. D.R. Brown, E.R. Jacobson, M.B. Brown, P.A. Klein, K.A. Vliet. 1999. Proposal to USDA NRICGP. \$132,915.

Host range of a lethal Mycoplasma among crocodilians. D.R. Brown, R.A. Bennett, M.B. Brown, E.R. Jacobson, C.M. Johnson, P.A. Klein, T.R. Schoeb, K.A. Vliet. 1999. Proposal to Morris Animal Foundation. \$15,000.

Diagnosis of a fatal disease in farm alligators. Brown, M.B., Jacobson, E.R., Vliet, K.A., Klein, P.A., Brown, D.R., and Schumacher, I.M. 1997 Florida Department of Environmental Protection. Amount requested: \$41,916.

Etiology, diagnosis, and prevalence of a fatal infectious disease of alligators. Brown, M.B., Jacobson, E.R., Klein, P.A., Vliet, K.A. 1997. USDA NRICGP. Amount requested: \$69,919.

#### PUBLICATIONS

Vliet, K.A. 1982. Social and reproductive behavior of the alligator. Proc. 2nd An. Alligator Prod. Conf., pp. 32-33.

Vliet, K.A. 1983. Tactile and visual signals in alligator courtship. ASIH Annu. Mtg. (Abstract only.)

Vliet, K.A. 1983. Geographic distribution: *Clemmys guttata* (Spotted turtle). Herpetol. Rev. 14(4):123.

- Vliet, K.A. 1984. Bellows and headslaps: Social displays of the American Alligator. ASIH/HL/SSAR Annu. Mtg., p. 208 (Abstract only).
- Vliet, K.A. 1985. 7th working meeting of IUCN Crocodile Specialists Group. *Amphibia-Reptilia* 6(1):105-106.
- Lance, V.A., Vliet, K.A., and Bolaffi, J.L. 1985. Effect of mammalian luteinizing hormone-releasing hormone on plasma testosterone in male alligators, with observations on the nature of alligator hypothalamic gonadotropin-releasing hormone. *Gen. Comp. Endocrinol.* 60:138-143.
- Overstreet, R.M., Self, J.T., and Vliet, K.A. 1985. The pentastomid *Sebekia mississippiensis* sp. n. in the American alligator and other hosts. *Proc. Helminth. Soc. Wash.* 52(2):266-277.
- Jacobson, E.R., Vliet, K.A., Brown, M.P., and Swift, R. 1985. Use of chemotherapeutic agents in crocodilians. Fourth Annu. Alligator Prod. Conf. (Abstract only).
- Vliet, K.A. 1986. Social behavior of the alligator. IUCN Special Publ., Crocodiles:203-211. Caracas: FUDENA.
- Vliet, K.A. 1987. A quantitative analysis of the courtship behavior of the American alligator (*Alligator mississippiensis*). Ph.D. dissertation, University of Florida, Gainesville. 198 pp.
- Lance, V.A., and Vliet, K.A. 1987. Effect of mammalian gonadotropins on testosterone secretion in male alligators. *J. Exp. Zool.* 241:91-94.
- Jacobson, E.R., Brown, M.P., Chung, M., Vliet, K., and Swift, R. 1988. Serum concentration and disposition kinetics of gentamicin and amikacin in juvenile American alligators. *J. Zoo Anim. Med.* 19(4):188-194.
- Magnusson, W.E., Vliet, K.A., Pooley, A.C., and Whitaker, R. 1989. Reproduction. Pp. 118-135, *in*: C.A. Ross (ed.), *Crocodiles and Alligators*. Golden Press Pty Ltd, Silverwater, NSW, Australia.
- Vliet, K.A. 1989. Social displays of the American alligator (*Alligator mississippiensis*). *Amer. Zool.* 29:1019-1031.
- Mahmoud, I.Y., L.J. Guillette, K. Vliet, and J.L. Plude. 1990. Effect of ACTH1-24 (cortrosyn) and stress on corticosteroid secretion in male alligators. *Amer. Zool.* 30(4):A26. (Abstract only.)
- Vliet, K.A. (ed.). 1993. A Lab Manual for Integrated Principles of Biology: Part One - BSC 2010L. Ginn Press, Needham Heights, Massachusetts. 201 pp.
- Vliet, K.A. (ed.). 1993. A Lab Manual for Integrated Principles of Biology: Part Two - BSC 2011L. Ginn Press, Needham Heights, Massachusetts. 121 pp.
- Mahmoud, I.Y., Vliet, K., Guillette, L.J., Jr., and Plude, J.L. 1996. Effect of stress and ACTH<sub>1-24</sub> on hormonal levels in male alligators, *Alligator mississippiensis*. *Comp. Biochem. Physiol.* 115A (1):57-62.
- Brown, D.R., Clippinger, T.L., Helmick, K.E., Schumacker, I.M., Bennett, R.A., Johnson, C.M., Vliet, K.A., Jacobson, E.R. and Brown, M.B. 1996. Mycoplasma isolation during a fatal epizootic of captive alligators (*Alligator mississippiensis*) in Florida. *Int. Org. Mycoplasmol. Lett.* 4:42-43.
- Clippinger, T.L., Bennett, R.A., Johnson, C.A., Vliet, K.A., Jacobson, E.R., Brown, D.R., and Brown, M.B. 1996. Mycoplasma epizootic in a herd of bull alligators (*Alligator mississippiensis*). *Proc. Amer. Assoc. Zoo Vet. Ann. Conf.* Pp. 230-234.
- Kohmoto, T., Argenziano, M.D., Vliet, K.A., Gu, A., DeRosa, C.M., Fisher, P.E., Spotnitz, H.M., Burkhoff, D., and Smith, C.R. 1997. Assessment of transmyocardial perfusion in alligator hearts. *Circulation* 94 (8 Suppl.):1717 (Abstract only).
- Kohmoto, T., M. Argenziano, N. Yamamoto, K.A. Vliet, A. Gu, C.M. DeRosa, P.E. Fisher, H.M. Spotnitz, D. Burkhoff, and C.R. Smith. 1997. Assessment of transmyocardial perfusion in alligator hearts. *Circulation* 95(6):1585-1591.
- Helmick, K.E., Papich, M.G., Vliet, K.A., Bennett, R.A., Brown, M.R., and Jacobson, E.R. 1997. Preliminary kinetics of single-dose intravenously administered enrofloxacin and oxytetracycline in the American alligator (*Alligator mississippiensis*). *Proc. Amer. Assoc. Zoo Vet. Ann. Conf.* (Abstract only.)
- Brown, D.R., Richey, L.J., Jacobson, E.R., Vliet, K.A., Gross, T., Brown, M.B. 1998. Virulence and seroprevalence of a mycoplasmal pathogen of American alligators. *Int. Org. Mycoplasmol. Lett.* 5:103 (Abstract only).

- Vliet, K.A. 1998. Courtship of captive American alligators (*Alligator mississippiensis*). Available online at URL: <http://www.zoology.uq.oz.au/Crocodile/summary.html>.
- Vliet, K.A. 1999. Identification and marking of reptiles. Available online at URL: <http://nersp.nerdc.ufl.edu/~iacuc/vliet.htm>.
- Clippinger, T.L., Bennett, R.A., Johnson, C.M., Vliet, K.A., Deem, S.L., Orós, J., Jacobson, E.R., Schumacher, I.M., Brown, D.R., and Brown, M.B. 2000. Morbidity and mortality associated with a new mycoplasma species from captive American alligators (*Alligator mississippiensis*). *J. Zoo Wildl. Med.* 31(3): 303-314
- Brown, D. R., Schumacher, I. M., Nogueira, M.F., Richey, L.J., Zacher, L.A., Schoeb, T.R., Vliet, K.A., Bennett, R.A., Jacobson, E.R., Brown, M.B. 2001. Detection of antibodies to a pathogenic mycoplasma in American alligators (*Alligator mississippiensis*), broad-nosed caimans (*Caiman latirostris*), and Siamese crocodiles (*Crocodylus siamensis*). *J. Clin. Microbiol.* 39(1): 285-292.
- Vliet, K.A. 2001. Crocodilian Advisory Group training school. *Croc. Spec. Gr. Newl.* 20(2):38-40.
- Brown, D.R., M.F. Nogueira, T.R. Schoeb, K.A. Vliet, R.A. Bennett, G.W. Pye, and E.R. Jacobson. 2001. Pathology of experimental mycoplasmosis in American alligators. *J. Wildl. Diseases* 37(4):671-679.
- K.A. Vliet and Groves, J.D. (eds.). 2001. *Crocodilian Biology and Captive Management*. AZA Professional Development Program, Silver Springs, MD.
- Vliet, K.A. 2001. Reproductive Biology of Crocodilians. Chapter 4 *in*: K.A. Vliet and Groves, J.D. (eds.). 2001. *Crocodilian Biology and Captive Management*. AZA Professional Development Program, Silver Springs, MD, 34 pp.
- Vliet, K.A. 2001. Social Behavior of Crocodilians. Chapter 12 *in*: K.A. Vliet and Groves, J.D. (eds.). 2001. *Crocodilian Biology and Captive Management*. AZA Professional Development Program, Silver Springs, MD, 19 pp.
- Vliet, Kent A. 2001. Courtship behaviour of American alligators *Alligator mississippiensis*. Pp. 383-408 *in* G.C. Grigg, F. Seebacher and C.E. Franklin (eds.) *Crocodilian Biology and Evolution*, Surrey Beatty & Sons, Chipping Norton, NSW, Australia.
- Pye, G.W., D.R. Brown, M.F. Nogueira, K.A. Vliet, T.R. Schoeb, E.R. Jacobson, and R.A. Bennett. 2002. Experimental inoculation of broad-nosed caiman (*Caiman latirostris*) and Siamese crocodiles (*Crocodylus siamensis*) with *Mycoplasma alligatoris*. *J. Zoo Wildl. Med.* 32(2): 196-201.
- Erickson, G.M., A. K. Lappin, and K. Vliet. 2002. Ontogeny of bite-force performance of the American alligator, *Alligator mississippiensis*. (Abstract only.) *American Zoologist* 42A.
- Erickson, G.M., Lappin, A. K., and Vliet, K.A. 2003. Ontogeny of bite-force performance of the American alligator (*Alligator mississippiensis*). *Journal of Zoology, Lond.* 260(3) 317-327.
- Vliet, K.A. 2003. Crocodiles: Inside Out. A Guide to Crocodilians and their Functional Morphology. (Book review.) *Croc. Spec. Group Newsl.* 22(3): 24.
- Erickson, G.M., Lappin, A. K., Parker, T. and Vliet, K.A.. 2004. Comparison of bite-force performance between long-term captive and wild American alligators (*Alligator mississippiensis*). *J. Zool.* 262(1): 21-28.
- Hutchinson, J.R., Donelan, J.M., Erickson, G.E., Vliet, K.A., Kledzik, D., Kram, R. 2004. The biomechanics of bounding crocodiles. (Abstract only.) SICB 2004 Meeting, New Orleans, LA, Jan. 5-9, 2004. Available online at URL: <http://www.sicb.org/meetings/2004/schedule/abstractdetails.php?id=814>.
- Helmick, K.E., Papich, M.G., Vliet, K.A., Bennett, R.A., Jacobson, E.R. 2004. Pharmacokinetics of enrofloxacin after single-dose oral and intravenous administration in the American alligator (*Alligator mississippiensis*). *J. Zoo Wildl. Med.* 35(3): 333-340.
- Helmick, K.E., Papich, M.G., Vliet, K.A., Bennett, R.A., Jacobson, E.R. 2004. Pharmacokinetic disposition of a long-acting oxytetracycline formulation after single-dose intravenous and intramuscular administrations in the American alligator (*Alligator mississippiensis*). *J. Zoo Wildl. Med.* 35(3): 341-346.
- Lafortune, M., T. Göbel, E. Jacobson, D. Heard, D. Brown, R. Alleman, K. Vliet, K. E. Harr, and J. Hernandez. 2005. Respiratory bronchoscopy of subadult American alligators (*Alligator mississippiensis*) and tracheal wash evaluation. *J. Zoo Wildl. Med.* 36(1): 12-20.
- Vliet, Kent A. 2005. New CSG thematic group. *Croc. Spec. Gr. Newl.* 24(4): 5-6.

- Merchant, M., Mills, K., Leger, N., Jerkins, E., Vliet, K.A., and McDaniel, N. 2006. Comparison of innate immune activity of all 23 known living crocodylian species. *Comp. Bioch. Physiol. B.* 143(2), 133-137.
- Vliet, K.A., Stracey, C.M., and Cottam, M.R. (eds.), 2006. *A Lab Manual for Integrated Principles of Biology: Part Two - BSC 2011L, Second Edition*. Pearson Custom Publishing, Boston, Massachusetts. 177 pp.
- Vliet, K.A., 2006. *A Lab Manual for Integrated Principles of Biology: Part Two - BSC 2010L, Second Edition*. Pearson Custom Publishing, Boston, Massachusetts. 255 pp.
- Vliet, Kent A., 2007. *A Lab Manual for BSC 2009L: Laboratory in Biological Sciences*. Kendall Hunt Publishing Company. Dubuque, Iowa. 102 pp.
- Shaner, D.M., and Vliet, K.A. 2007. Crocodile Tears: And thei eten hem wepynge. *BioScience* 57(7): 615-617.
- Vliet, K.A., Stracey, C.M., and Cottam, M.R. (eds.), 2006. *A Lab Manual for Integrated Principles of Biology: Part Two - BSC 2011L, Third Edition*. Pearson Custom Publishing, Boston, Massachusetts. 181 pp.
- Vliet, K.A. 2007. Crocodylian capture and restraint. Pp. 211-221 in West, G., Heard, D.J., and Caulkett, N. (eds.), *Zoo Animal & Wildlife Immobilization and Anesthesia*. Blackwell Publishing, Carlton, Victoria, Australia.
- Vliet, K.A., 2008. *A Lab Manual for Integrated Principles of Biology: Part Two - BSC 2010L, Third Edition*. Pearson Custom Publishing, Boston, Massachusetts. 217 pp.
- Vliet, K.A., Stracey, C.M., and Cottam, M.R. (eds.), 2008. *A Lab Manual for Integrated Principles of Biology: Part Two - BSC 2011L, Fourth Edition*. Pearson Custom Publishing, Boston, Massachusetts. 194 pp.
- Vliet, K.A., 2009. *A Lab Manual for Integrated Principles of Biology: Part One - BSC 2010L, Fourth Edition*. Pearson Custom Publishing, Boston, Massachusetts. 262 pp.
- Vliet, K.A., Stracey, C.M., and Cottam, M.R. (eds.), 2009. *A Lab Manual for Integrated Principles of Biology: Part Two - BSC 2011L, Fifth Edition*. Pearson Custom Publishing, Boston, Massachusetts. 203 pp.
- Vliet, K.A., 2010. *2010L: A Laboratory Manual for Integrated Principles of Biology I, First Edition*. Hayden-McNeil Publishing, Plymouth, Michigan. 313 pp.
- Vliet, K.A., 2010. *2011L: A Laboratory Manual for Integrated Principles of Biology II, First Edition*. Hayden-McNeil Publishing, Plymouth, Michigan. 243 pp.
- Vliet, K.A., 2010. Crocodylian Conservation Programs in United States Zoos, I Simposio Colombiano de Crocodylianos – Conservación de Crocodylia: de la caja de Pandora a los huevos de oro. III Congreso Colombiano de Zoología, Medellín, Colombia, 21-26 November, 2010. Abstract only.
- Vliet, K.A. 2011. Changing understanding of crocodylian systematics and its implications for animal programs. *Connect* (Association of Zoos & Aquariums), March 2011: 22-23.
- Hekkala, E., Shirley, M.H., Amato, G., Austin, J.D., Charter, S., Thorbjarnarson, J., Vliet, K.A., Houke, M.L., DeSalle, R., Blum, M.J. 2011. An ancient icon reveals new mysteries: mummy DNA resurrects a cryptic species within the Nile crocodile. *Molecular Ecology* 20(19): . doi: 10.1111/j.1365-294X.2011.05245.x
- Vliet, K.A., 2012. *2010L: A Laboratory Manual for Integrated Principles of Biology I, Second Edition*. Hayden-McNeil Publishing, Plymouth, Michigan. 313 pp.
- Vliet, K.A., 2012. *2011L: A Laboratory Manual for Integrated Principles of Biology II, Second Edition*. Hayden-McNeil Publishing, Plymouth, Michigan. 261 pp.
- Erickson G.M., Gignac, P.M., Stepan, S.J., Lappin, A.K., Vliet, K.A., Brueggen, J., Inouye, B.D., Kledzik, D., and Webb, G.J.W. 2012. Insights into the ecology and evolutionary success of crocodylians revealed through bite-force and tooth-pressure experimentation. *PLoS ONE* 7(3): e31781. doi:10.1371/journal.pone.0031781. 12 pp.
- Ross, P., Vliet, K., Shirley, M., Brochu, C., King, F.W. New taxonomic and nomenclature proposals called into doubt. *Croc. Spec. Gr. Newl.* 31(3):5.
- Vliet, K.A., 2013. *2010L: A Laboratory Manual for Integrated Principles of Biology I, Fourth Edition*. Hayden-McNeil Publishing, Plymouth, Michigan. 247 pp.

- Vliet, K.A., 2013. *2011L: A Laboratory Manual for Integrated Principles of Biology II, Third Edition*. Hayden-McNeil Publishing, Plymouth, Michigan. 261 pp.
- Shirley, M.H., Vliet, K.A., Carr, A.N., and Austin, J.D. 2014. Rigorous approaches to species delimitation have significant implications for African crocodylian systematics and conservation. *Proceedings of the Royal Society, London, B*, 281 (1776): 20132483. <http://dx.doi.org/10.1098/rspb.2013.2483>.
- Suh, A., Churakov, G., Ramakodi, M. P., Platt, R. N., II, Jurka, J., Kojima, K. K., Caballero, J., Smit, A., Vliet, K. A., Hoffmann, F. G., Brosius, J., Green, R. E., Braun, E. L., Ray, D. A., Schmitz, J. 2015. Multiple lineages of ancient CR1 retroposons shaped the early genome evolution of amniotes. *Genome Biology and Evolution*, 7(1): 205-217.
- Bishop, B., Juba, M. L., Devine, M. C., Barksdale, S. M., Rodriguez, C. A., Chung, M. C., Russo, P. S., Vliet, K. A., Schnur, J. N., van Hoek, M. L. 2015. Bioprospecting the American Alligator (*Alligator mississippiensis*) Host Defense Peptidome, *Plos One*, DOI: 10.1371/journal.pone.0117394.
- Schmidt, F., Franke, F.A., Shirley, M.H., Vliet, K.A., Villanova, V.L. 2015. The importance of genetic research in zoo breeding programs for threatened species: the African dwarf crocodiles (Genus *Osteolaemus*) as a case study. *International Zoo Yearbook*, 49: 125-136. DOI: 10.1111/izy.12082. (Published online December 2014.)
- Shirley, M.H., Villanova, V.L., Vliet, K.A., Austin, J.D. 2015. Genetic barcoding facilitates captive and wild management of three cryptic African crocodile species complexes. *Animal Conservation*, 18(4): 322-330. (Published online December 2014.)
- Schmidt, F., Shwedick, B., Vliet, K. 2015. Ralf Sommerlad (1952-2015). *Crocodyle Specialist Group Newsletter* 34(2): 4-5.
- Juba, M.L., Russo, P.S., Devine, M., Barksdale, S., Rodriguez, C., Vliet, K.A., Schnur, J.M., van Hoek, M.L., and Bishop, B.M. 2015. Large scale discovery and de novo-assisted sequencing of cationic antimicrobial peptides (CAMPs) by microparticle capture and electron-transfer dissociation (ETD) mass spectrometry. *Journal of Proteome Research* 14:4282-4295 (DOI: 10.1021/acs.jproteome.5b00447).
- Whiting, E.T., Steadman, D.W., Vliet, K.A. 2016. Cranial polymorphism and systematics of Miocene and living *Alligator* in North America. *Journal of Herpetology*, 50(2): 306-315. DOI: 10.1670/15-023 (Published online February 2016).
- Nell, L.A., Frederick, P.C., Mazzotti, F.J., Vliet, K.A., Brandt, L.A. Presence of breeding birds improves body condition for a crocodylian nest protector. *PLOS One* DOI: 10.1371/journal.pone.0149572 (Published 02 March 2016).

#### MANUSCRIPTS IN PREPARATION OR IN PRESS

- Bishop, B., Juba, M., Russo, P., Devine, M., Barksdale, S., Scott, S., Settlege, R., Michalak, P., Gupta, K., Vliet, K., Schnur, J., van Hoek, M. Discovery of novel antimicrobial peptides from *Varanus komodoensis* (Komodo dragon) by large scale analyses and *De Novo* assisted sequencing using Electron Transfer Dissociation Mass Spectrometry. *Submitted Journal of Proteome Research*.
- Mandujano-Camacho, H., and Vliet, K.A. Eclósion prematura de *Crocodylus moreletii* por “llamados eclosionales”, *in prep*.
- Mandujano-Camacho, H., Hénaut, Y., Crocoft, R.B., Escalona-Segura, G., Vliet, K. Efecto del tamaño de nidada sobre la duración y éxito de eclósion de *Crocodylus moreletii* (Crocodylia: Crocodylidae): un estudio experimental. *In prep*.
- Merchant, M., Vliet, K.A., McAdon, C., Mead, S., McFatter, J., and Griffith, R. Comparison of serum Phospholipase A<sub>2</sub> activities of all known crocodylian species. *In prep*.
- Reber, S.A., Janisch, J., Torregrosa, K., Darlington, J., Vliet, K.A., and Fitch, W.T. Formants provide honest acoustic cues to body size in American alligators. *Submitted Proc. B*.
- Rossi Lafferriere, N.A., Alonso-Tabet, M., Alonso-Giménez, Y., Ginsberg, J.R., Gore, K., López, M., Thorbjarnarson, J.B., Vliet, K.A., Soberón, R.R., Espinosa-Lopez, G., Amato, G. Effect of Tropical Cyclones and Environmental Variability on the Nesting Success of the American Crocodile (*Crocodylus acutus*) in the Wetlands of Southeastern Cuba. *Submitted PLOS ONE*.

Shirley, M.H., Carr, A.N., Vliet, K.A. Taxonomic revision of the African slender-snouted crocodile – resurrection of the genus *Mecistops* (Crocodylia: Crocodylidae), redescription of *cataphractus* and description of a new species from West Africa. *Zootaxa*, *in prep.*

Vliet, K.A. ALLIGATORS: A Complete Guide to Their Biology, Behavior, and Conservation. Johns Hopkins University Press. *In prep.*

#### CURRENT RESEARCH PROJECTS

- Ontogenetic and comparative aspects of bite force in crocodylians.
- Ecology of alligators associated with small lakes and ponds in North-central Florida.
- Den structure and utilization by American alligators.
- Character analysis of bellowing vocalizations of the American alligator.
- Characterization of infrasonic sound production in alligators.
- A comparative study of developmental energetics of crocodylian embryos.

#### REVIEWER FOR PROFESSIONAL JOURNALS

- American Midland Naturalist
- Anatomical Record
- Animal Biology
- Animal Cognition
- Australian Journal of Zoology
- Biological Conservation
- Bulletin of the Peabody Museum
- Comparative Biochemistry & Physiology
- Copeia
- Crocodylia
- Florida Field Naturalist
- The Herpetological Journal
- Herpetological Conservation and Biology
- Herpetological Review
- Historical Biology
- Integrative Zoology
- Journal of Applied Animal Welfare Science
- Journal of Experimental Zoology
- Journal of Herpetology
- Management of Biological Invasions
- Marine and Freshwater Research
- Southeastern Naturalist
- Southwestern Naturalist
- Zoo Biology
- Zootaxa

#### MANUSCRIPTS REVIEWED

- 2014 LeBuff, C. The range of *Crocodylus acutus* along the Florida Gulf coast revisited. *Herpetologica*. November 30, 2014.
- 2013 Kerfoot, James, R., Jr., Fern, Micah P., and Elsey, Ruth M. Scaling the feeding mechanism of captive juvenile *Alligator mississippiensis*. *Herpetological Conservation and Biology*. March 6, 2013.
- 2012 Zhang, Fang, Zhang, Xue-Song, Zhou, Yin-Jian, Messenger, Kevin, Wang, Yong. Occurrence of nest defense behavior related to egg fertility and hatching rate in Chinese alligator (*Alligator sinensis*). *Journal of Herpetology*. July 2, 2012.
- Courtship behavior of the Chinese alligator (*Alligator sinensis*). *Integrative Zoology*, May 23, 2012.

- 2011 Dinets, Vladimr. Underwater sound locating capability in the American alligator (*Alligator mississippiensis*). *Crocodylia*. August 12, 2011.
- Dinets, Vladimir. Long-distance signaling in Crocodylia. *Journal of Herpetology*. August 11, 2011.
- Vergne, Amélie L., Aubin, Thierry, and Mathevon, Nicolas. What makes a crocodylian sound? Information coding and species-specificity value of juvenile calls. *Animal Cognition*. August 5, 2011.
- Pearcy, A. and Wijtten, Z. A morphometric analysis of crocodylian skull shapes. *The Herpetological Journal*. March 02, 2011.
- Dinets, Vladimir. Experimental study of underwater communication in the American alligator (*Alligator mississippiensis*). *Crocodylia*. January 12, 2011.
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- 2009 Lance, Valentine. The effects of Hurricane Rita and subsequent drought on alligators in southwest Louisiana. *Journal of Experimental Zoology Part A: Ecological Genetics and Physiology*. July 12, 2009.
- 2008 Brazaitis, P., Eberdong, J., Brazaitis, P.J., and Watkins-Colwell, G.J. Notes on the Saltwater crocodile, *Crocodylus porosus*, in the Republic of Palau. *Bulletin of the Peabody Museum of Natural History*. September 18, 2008.
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- 2007 Cook, A., Tran, V.H., Rob, J., Sridharan, S., Taylor, A., and Anderson, R. A detailed analysis of the structure of the crocodylian heart. *Anatomical Record*.
- 2006 Platt, S.G., Rainwater, T.R., Snider, S., Garel, A. Anderson, T.A., and McMurray, S.T. Consumption of large mammals by *Crocodylus moreletii*: Field observations of necrophagy and interspecific kleptoparasitism. *Southwestern Naturalist*.
- Almli, L.M. and Burghardt, G.M. Environmental enrichment alters the behavioral profile of ratsnakes (*Elaphe*). *Journal of Applied Animal Welfare Science*.
- 2005 Cherkiss, M.S., Mazzottii, F.J., and Rice, K.G. Effects of shoreline vegetation on visibility of crocodiles during spotlight surveys. *Herpetological Review*.
- 2004 Elsey, R.M. Unusual offshore occurrence of an American alligator. *Southeastern Naturalist*.
- Van De Graaff, K., and Crawley, J.L. *A Photographic Atlas for the Biology Laboratory*. 5<sup>th</sup> Ed. Morton Publishing Co. October 1, 2004.
- 2003 Ireland, D., Osbourne, N., Berrill, M. A field technique for permanently marking medium to large sized anurans with passive integrated transponder (PIT) tags. *Herpetological Review*.
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- Campos, Z., Coutinho, M., and Magnusson, W. Terrestrial activity of caiman in the Pantanal, Brazil. *Copeia*.
- Richards, P.M., and Wasilewski, J. Using radio-telemetry to evaluate a translocation program for hatchling American crocodiles (*Crocodylus acutus*). *Biological Conservation*.



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- 2002 Banks, C.B. and J. Birkett. Captive management and breeding of a stunted form of the Australian freshwater crocodile, *Crocodylus johnstoni*. *Zoo Biology*.
- Lutterschmidt, W.I., and Wasko, D. Seasonal activity, relative abundance, and population structure of the American alligator (*Alligator mississippiensis*) in a highly-disturbed inland lake. *Southwestern Naturalist*.
- 2001 Thorbjarnarson, J., X. Wang and L. He. Reproductive ecology of the Chinese alligator (*Alligator sinensis*) and implications for conservation. *Biological Conservation*.
- Reagan, S.R., Ertel, J.M., and Wright, V.L. Testing David and Goliath: an experimental approach to fire ants and alligators. *Journal of Herpetology*.
- 2000 Platt, S.G., and Thorbjarnarson, J.B. Nesting ecology of the American crocodile in the coastal zone of Belize. *Copeia*.
- Reagan, S.R., Ertel, J.M., and Wright, V.L. Testing David and Goliath: an experimental approach to fire ants and alligators. *Journal of Herpetology*.
- 1999 Platt, S.G., and Thorbjarnarson, J.T. Status and Conservation of the American crocodile in Belize. *Biological Conservation*.
- Platt, S.G., and Thorbjarnarson, J.T. Nesting ecology of the American crocodile in the coastal zone of Belize. *Copeia*.
- Seebacher, F., and Grigg, G.C. Social interactions compromise thermoregulation in crocodiles, *Crocodylus johnstoni* and *Crocodylus porosus*. Chapter in Grigg, G.C., C. Franklin, and F. Seebacher (eds.) *Crocodylian Biology and Evolution*. Surrey Beatty & Sons, Publishers, Chipping Norton, New South Wales, Australia.
- 1998 Verdade, L.M. and Sarkis, F.. *Caiman latirostris* (Broad-snouted caiman) Age at first reproduction in captivity. *Herpetological Review*.
- 1997 Ron, S.A., Vallejo, A., and Asanza, E. MS J. Herp. Human influence on the wariness of *Melanosuchus niger* and *Caiman crocodilus* in Cuyabeno, Ecuador. *Journal of Herpetology*.
- 1994 Fleming, D.M. American alligator nest distribution, nest abundance, and reproductive performance in relation to landscape characteristics of the Southern Everglades. *American Midland Naturalist*.

#### GRANT PROPOSALS REVIEWED

- 2016 Reviewed proposal for the IUCN-SSC Crocodile Specialist Group Student Research Assistance Scheme – Gharial Communication, Jailabdeen A., 15 August, 2016.
- 2015 Reviewed proposal for the IUCN-SSC Crocodile Specialist Group – Investigating Bioacoustics and Behaviour of American Crocodiles in Belize, Miriam Boucher, 3 December 2015.
- 2010 Reviewed proposal for the IUCN-SSC Crocodile Specialist Group – Ecological and conservation implications of skull morphometrics in sympatric species of crocodylians, Ashley Percy, February 12, 2010.
- 2005 Reviewed proposal for National Geographic Society – Sobek Revealed: The search for the legitimate Nile crocodile, John Thorbjarnarson, August 2005.
- 2004 Reviewed proposal for National Geographic Society – Systematic status and ecology of crocodiles in Central Africa, John Thorbjarnarson, March 5, 2004
- Reviewed proposal for National Geographic Society – Systematic status and ecology of crocodiles in Central Africa, John Thorbjarnarson, April, 2004.
- Reviewed proposal for National Geographic Society – Sobek Revealed: The search for the legitimate Nile crocodile, John Thorbjarnarson, August 2004.

2003 Reviewed proposal to AZA Conservation Endowment Fund - Conservation of Wild Populations of the Chinese alligator, John Thorbjarnarson and John Behler. July 7, 2003.

#### RELATED PROFESSIONAL EXPERIENCE

- Consultant for the St. Augustine Alligator Farm Zoological Park (1982-1986).
- Surveyed American crocodile population in Lago Enriquillo, Dominican Republic (June, 1984).
- Advisory Member of the Crocodylian Advisory Group (CAG), American Zoo and Aquarium Association (AZA) (1987-1994).
- Member of the Advisory Council, American Alligator Farmers Association (1987-1992).
- Member of the Crocodile Specialists Group (CSG), Species Survival Commission, International Union for the Conservation of Nature and Natural Resources (IUCN) (1988-present).
- Surveyed American crocodile populations in the Rio Aguan of northern Honduras and made recommendations on crocodile farming practices (August, 1987)
- Made recommendations on problems with alligators in state parks for the Florida Division of Recreation and Parks. This includes: recommendations on the management of alligators near park swimming areas, behavioral assessment of potentially problem alligators, a half day presentation on alligator biology and management to park managers, district managers and wildlife biologists; and assisting with the development of a behavior checklist to assess the actions and responses of wild alligators. This test is now being used throughout the state parks to make decisions about the management of alligators within Florida's parks. I have made similar recommendations for two state parks in Texas (1993 - present).
- Scientific Advisor for the St. Augustine Alligator Farm Zoological Park (1993-present).
- Gave one week of in-service presentations on alligator biology and behavior to junior high and high school teachers from Marion Co. at the Silver River Museum, Silver Springs Florida (May, 1994).
- Working Member of the Crocodylian Advisory Group (CAG), American Zoo and Aquarium Association (AZA) (1994-1998),
- At the invitation of the National Wildlife Service of the Dominican Republic, presented a two-week clinic on crocodylian conservation biology at Zoodom, the National Zoological Park, in Santo Domingo, and trained biologists on habitat surveys and crocodile survey and capture techniques at Lago Enriquillo, Dominican Republic for 18 biologists of the D.R.'s National Parks & Wildlife Department and the National Zoo (July 1994).
- Designed enclosures for, and made recommendations for, a headstart program for the American crocodile from Lago Enriquillo, ZooDom (National Zoological Park in Santo Domingo, Dominican Republic) (July, 1994).
- Worked with Dr. Rod McDavis, Dean of the College of Education, and several other education faculty in developing a proposal to assist the Dade County school district's middle school science and math teachers to enhance their science and math knowledge and teaching skills. This work was at the request of the Dader County School District (1995).
- Participant in the CAG Studbook Masterplan session for *Alligator sinensis* and *Crocodylus rhombifer*, Toledo Zoo (August 3-4, 1996).
- Member, Crocodylian Advisory Group (CAG) Education Committee (1996-present).
- Collect and maintain a large and diverse sample of crocodylian DNA samples in lysis buffer, to provide researches interested in systematic and biochemical studies (1996-present).
- Member of the WCB/McGraw-Hill General Biology Advisory Committee (1997).
- Assisted the Office of the Environment, Environment Canada, in the development of a training course in the identification of crocodylians and crocodylian products for international CITES customs inspectors (1997).

- Gharial, *Gavialis gangeticus*, studbook keeper for American Zoo and Aquarium Association (AZA) (1997 - present).
- Co-chair (1998-2005) of the Crocodylian Advisory Group (CAG), American Zoo and Aquarium Association (AZA).
- On-line expert in alligator biology for Discovery Channel On-Line (September 5 - 12, 1998).
- Supervised removal of in-stomach radios from 10-foot alligator and lectured staff on alligator behavior at the North Carolina Zoological Park, Asheboro, NC (October 2-4, 1998).
- Participant in the CAG Studbook Masterplan session for *Crocodylus rhombifer*, Louisville Zoo (May 4 - 5, 1999)
- On-line expert in alligator biology for Discovery Channel On-Line Creature of the Week (October 3 - 9, 1999).
- Consulted on captive alligator management procedures for U.S. Geological Service Caribbean Conservation Center (January, 2000).
- Assisted the Lakes Subcommittee of the University of Florida Lakes, Vegetation, and Landscaping Committee on policies and protocols to encourage alligator basking and visibility to the public on Lake Alice (January, 2000).
- Consulted on enclosure design and thermal requirements of captive exotic crocodylians for Gatorland Zoo, Kissimmee Florida (February, 2000).
- Assisted Akron Zoo with educational materials for a new Chinese alligator exhibit (March, 2000).
- Consulted with Busch Gardens, Tampa on crocodylian nutrition (April, 2000).
- Consulted with Busch Gardens, Tampa on crocodile sexing techniques and captive population management (June, 2000).
- Consulted with South African crocodile biologists on Nile crocodile management in association with the enlargement of the Orabie Dam (June, 2000).
- Consulted with Shark Reef at Mandalay Bay, Las Vegas, on chemical immobilization and shifting of Nile and saltwater crocodiles (September, 2000).
- Consulted with Shark Reef at Mandalay Bay, Las Vegas, on algae control in crocodile pools (March, 2001).
- Consulted with San Diego Zoological Park on capture, restraint and transport techniques for adult gharial (October - November, 2001).
- Course Coordinator and lecturer, AZA "Crocodylian Biology and Captive Management" professional development training school (2001 – Present), St. Augustine Florida.
- Steering Committee member, Reptile and Amphibian Training and Enrichment (RATE) Workshops (2002 - present).
- Collaborate with the San Diego Zoological Societies, Center for the Reproduction of Endangered Species in collecting and maintaining a frozen immortal cell line for all extant crocodylian species (2002-present).
- Participated in "Conservation Priority-Setting for American Crocodiles" workshop hosted by University of Florida's Institute of Food and Agricultural Sciences and the Wildlife Conservation Society, October 11-13, 2002, Gainesville, Florida.
- Consulted with Cocodrilos Clal Continental, a commercial farm for American crocodiles in San Pedro Sula, Honduras, on aspects of farm management and husbandry to improve productivity, July 20-24, 2003.
- Vice-chairman for Zoos and Public Education, Crocodile Specialist Group, IUCN (2004 – Present).
- Member, Commercial Live Exports Taskforce, Crocodile Specialist Group, IUCN (2005 – 2007).
- Chair (1999-present) of the Crocodylian Advisory Group (CAG), American Zoo and Aquarium Association (AZA)

- Participated in “American Crocodiles in South Florida Symposium”, Feb. 24, 2007. Florida Power & Light, Turkey Point Power Station, Florida City, Florida.
- Assisted in the release of six captive bred Chinese alligators into newly formed habitat near Shanghai, China, May 1-14, 2007. Joint project with the Wildlife Conservation Society, Shanghai East Normal University, Shanghai Division of Forestry, and the AZA Crocodylian Advisory Group.
- Requested by the Animal Planet television channel to inspect the Colorado Alligator Farm Reptile Park, Mosca, Colorado, for basic husbandry and management of their animal collection. Included review of animal care, health care, maintenance, handling and restraint, nutrition, and public education.
- Assisted the Sanibel Captiva Conservation Foundation with community education for their alligator neighborhood watch program on Sanibel Island, Florida, 2008-present.
- Co-organized the symposium “The Biology and Management of Crocodylians” with Dr. John B. Thorbjarnarson (Wildlife Conservation Society), August 15, 2008, 6<sup>th</sup> World Congress of Herpetology, Manaus, Brazil.
- Consulted on alligator behavior and potential alligator-human conflict issues for Gainesville (Florida) Regional Utilities Sweetwater Branch Sheetflow Restoration Project, 12 May, 2009.
- Participated in 3<sup>rd</sup> International Workshop on the Conservation of Crocodiles of Cuba, June 1-5, 2009, Playa Larga, Cuba.
- Advised “The Sanctuary” golf club and community, Sanibel Island, Florida, on enhancing design elements of the golf course to facilitate safer human-alligator con-habitation, 2009-present.
- Consulted with the California Academy of Sciences of a new exhibit featuring living crocodylians and their evolutionary history, 2010-present.
- Member, Editorial/Review Committee for “Crocodylia”, Online Journal of the IUCN-SSC Crocodile Specialist Group. 2010-present.
- Assisted the Toledo Zoo with the redesign and renovation of an existing enclosure to house a giant Saltwater crocodile. Also, consulted on the transport logistics and importation of this crocodile, September 2012-May 2013.
- Consulted on introductory biology course restructuring with the Department of Biology, North Carolina State University.
- Consulted on development and refining of a training program for Baru, the 17 foot Saltwater crocodile at Toledo Zoo, July 2013.
- Gave two days of lectures on crocodylian behavior, evolution, and captive management to the staff of the Madras Crocodile Bank Trust, Chennai, India, May 28-29, 2013.
- Organized “The Impact of Zoos on Crocodylian Conservation and Biology” symposium for the 23<sup>rd</sup> Working Meeting of the IUCN SSC Crocodile Specialist Group, May 27, 2014, Lake Charles, Louisiana.
- Served as an External Examiner of the PhD. dissertation by A.S. Combrink, entitled “Spatial and reproductive ecology and population dynamics of the Nile crocodile (*Crocodylus niloticus*) in the St. Lucia Estuarine system, South Africa” for the University of Kwazulu-Natal, Scottsville, Pietermaritzburg, South Africa. 25 February 2015.
- Served as an External Examiner of the PhD. dissertation by Jonathan K. Warner, entitled “Morphometrics, ecotoxicology and stable isotope ecology of Nile crocodiles (*Crocodylus niloticus*) in KwaZulu-Natal, South Africa” for the University of Kwazulu-Natal, Scottsville, Pietermaritzburg, South Africa. 29 February 2016.
- Assisted Birmingham Zoo with health diagnosis for a group of quarantined alligators. April, 2016.
- Consulted on husbandry and management issues with a very large saltwater crocodile at the Albuquerque BioPark Zoo. April 2016.
- Advised Tallahassee Children’s Museum on health issues and husbandry of alligators, April 2016.
- Advised Alachua County, Florida officials on alligators and public safety at Paynes Prairie State Preserve, June 2016.

- Asked to comment on potential new regulations by the Florida Fish and Wildlife Conservation Commission regarding private ownership of venomous snakes and other injurious wildlife species, August 2016.

#### NATURAL HISTORY FILM PRODUCTIONS:

- 2016 Alligator versus python sequence, Animal Fight Night Series 3”, National Geographic Wild, Arrow Media, London – content consultant.  
Alligator sequence, Curiosity Stream, Wet Wader Productions, Mark Emery, Producer – content consultant.  
White-tail deer, Curiosity Stream, Wet Wader Productions, Mark Emery, Producer – content consultant.
- 2015 “Animal Fight Night Series 2”, National Geographic Wild, Arrow Media, London – content consultant.  
“The Antibiotic Hunters”, CBC-TV’s The Nature of Things with David Suzuki, Dreamfilm Productions, Sue Ridout, Producer, David Mohun, Director. Premiered 5 March, 2015 – content consultant, animal wrangler, on-screen.
- 2013 Alligator episode, Animal Planet Canada’s “Wild Obsession”, Pyramid Productions, Jason Lewis, Producer – content consultant.  
Alligator sequences, National Geographic Wild, Vonigo Films, Jeff Morales, Producer/Director/Cinematographer - content consultant, animal wrangler.  
Alligator sequence, Discovery Channel, North America, Heather Moore, Associate Director – North America – content consultant.
- 2012 Alligator sequence, Everglades, National Geographic, Wild Tales Productions, Zoltan Török, Producer/Director/Cinematographer - content consultant, animal wrangler.  
Alligator attack sequences, National Geographic Wild ‘Dead or Alive’, Steve Murphy, Line Producer, Darlow Smithson Productions, London – content consultant.
- 2011 Alligator sequence, Wild Horizons, Discovery Channel, Channel - content consultant, animal wrangler.
- 2010 Alligators in 3D, Montana Productions, Michael Watchulonis, producer – content consultant, on-screen, location coordinator.  
“iPredator”, Base Productions for Animal Planet/National Geographic, Paul Kolsby, Supervising Producer - scientific consultant.  
“Savaged”, SAV Productions – content consultant, on-screen.  
“Maneaters – Alligators and Crocodiles”, Animal Planet, Tigress Productions. Premiered January 10, 2010 – on-screen.
- 2009 Cuban crocodile jumping, Moment of Impact, National Geographic Channel - content consultant, animal wrangler.  
“Alligators in the Sewers”, MonsterQuest, History Channel – on-screen  
American crocodile segment, Night series, Animal Planet, Tom Ecob, segment producer - content consultant.  
Monsters Resurrected: *Spinosaurus*, Discovery Channel, Jeffrey Sharp/Mary Benjamin producers, Creative Differences TV. Premiered December 6, 2009 - content consultant, on-screen.
- 2008 “History of Skin”, Evolution series, History Channel, Optomen Productions - content consultant, animal wrangler, on-screen.
- 2007 “Armoured Giants”, In Cold Blood series, Miles Barton series producer, BBC. March 4, 2008 - content consultant.

- 2006 - "Supersized Crocs", ICON Films - content consultant, on-screen
- 2005 - "Hurricane Warning", IMAX, MacGillivray Freeman Films, Brad Ohlund producer – animal wrangler.
- 2003 - "Be the Beast", National Geographic/Fox, Dara Padwo-Audick producer - content consultant, on-screen, animal wrangler.
- "Dragons Alive", BBC, Phil Chapman, producer - content consultant, on-screen.
- "Gators, crocs, caimans", The Natural South, Susan Dugan, producer, Turner South Network - on-screen.
- Crocodile learning. DragonflyTV, PBSKids, Richard Swanson - concept development, content consultant.
- "Ice Age Oasis", Adam White producer. Wild New World, BBC Natural History Unit, Miles Barton, series producer. Premier 7/13/2003 on Discovery - content consultant, animal wrangler.
- 2002 "Gator Wild!", National Geographic Explorer, Eric Breitenbach producer , 27 min., Premier 3/31/2002 on MSNBC- location coordinator, scientific consultant.
- "Nigel's Wild World: Alligators." Discovery Channel, Nigel Marvin/Rob Harvey Producers- content consultant, location coordinator, on-screen.
- 2001 - "Supercroc," National Geographic Television, Simon Boyce producer, 95.5 min. - location coordinator, on-screen.
- Alligator segment for manatee film, Blue Planet films, Marco Beiman producer.
- 2000 – "Everglades: Home of the Living Dinosaur", Peter Zuccharini director, Disney's New True Life Adventures. American Adventure Productions, Inc. 44:36 – content consultant, location coordinator, animal wrangler.
- "Fearsome Frogs", National Geographic Explorer, Margaret McEvoy & Brian Breger producers, 52 min. - location coordinator, animal wrangler.
- 1999 - "Swamp Alligator", Wild Discovery, Mike Linley producer, 52 min. – location coordinator, animal wrangler, content consultant.
- "At the Ends of the Earth", The Learning Channel, Simon Lloyd series producer, 52 min. - content consultant.
- Behavior and evolution of crocodilian segment for Dateline, NBC News, aired March 17, 1999 - content consultant, location coordinator, on-screen.
- "The Ultimate Guide: Crocodiles", Green Umbrella Productions for the Discovery Channel, Stephen Gooder producer - content consultant, location coordinator, on-screen.
- 1998 - "Deadly Reptiles", Discovery Channel, Debbie La Pense producer – on-screen, location coordinator, animal wrangler, content consultant.
- "Gus the Alligator", National Geographic Television ~25 min. - content consultant.
- "Killers in the Water", Greystone Productions, Lauren E. Herz segment producer - content consultant, on-screen.
- "Cuban crocodiles", Mark Emery producer, 25 min. – consultant.
- "Springs Eternal", Moore and Moore Productions, Shane Moore producer - content consultant, location coordinator, animal wrangler.
- "Extreme Animals: Saltwater crocodile", @ Discovery Canada, Deanna Kraus segment producer, 11 min. – location coordinator, on-screen.
- Crocodilians, East Co., Kenzo Hashimoto - content consultant, location coordinator, animal wrangler, on-screen.
- 1997 - "Animal Cannibals", New Zealand Natural History Unit for The Discovery Channel, Mark Ferns producer, 56 min. - concept development, content consultant, location coordinator, animal handling, on-screen.

- “The Wildlife Specials with David Attenborough - Crocodile”, BBC Natural History Unit, Mike Salisbury producer, 48 min. - concept development , content consultant.  
<http://www.pbs.org/wgbh/nova/transcripts/2509croc.html>
- “Lords of the Everglades”, National Geographic Explorer, Doug Bertran producer, 52:43 min. - concept development, content consultant, location coordinator, animal wrangler.
- 1996 - “The World’s Most Dangerous Animals”, CBS, Debbie LaPensee producer, 54 min. - content consultant, animal wrangler, on-screen.
- American alligator segment, @ Discovery Canada, Dan Falk segment producer, 6.5 min. – location coordinator, on-screen.
- Crocs and alligators. Discovery Channel. Erik Wiklund, producer - content consultant, location coordinator.
- 1995 - “The Magic School Bus Cold Feet”, Public Broadcasting System, 25 min. - content consultant.
- 1994 - “Les Peaux de Bois de Silver Springs”, FCP/Protecrea (France), Florent Carmin, producer, 12 min. - content consultant, animal wrangler.
- 1992 - “Alligator! ”, Adler Video Marketing for The Discovery Channel, Michael de Monceau producer, 55 min. - content consultant, location coordinator, animal wrangler, on-screen.
- “Animal Musicians”, Wild South series, New Zealand Natural History Unit, Su Ingles producer, 27 min. - content consultant, location coordinator, animal wrangler, on-screen.
- 1990 - "Flowers in the Sky", Roman Kroitor and Charles Konowal producers, Magic Carpet Productions for Sanwa Midori, 15 min. - content consultant, concept development, animal wrangler.
- 1989 - “Everglades Rain Machine”, NOVA, Julia Whitty producer, 56 min. - content consultant, location coordinator.
- 1987 - “Nuisance Alligators”, National Geographic Explorer, Susan Winslow, producer, 29 min. - concept development, on-screen.
- 1986 - “Realm of the Alligator”, National Geographic Television Special, John Paling producer, 59 min. - concept development, content consultant, script development, location coordinator, animal wrangler, on-screen.
- 1983 - “Alligators in the Everglades”, Japan Photo Library (Japan), Nobuaki Yasui, producer, 55 min. - content consultant, location coordinator, animal wrangler, on-screen.

## GRADUATE COMMITTEES

- Nell, Lucas, M.Sc. Wildlife Ecology and Conservation. 2014. Exploring benefits to American alligators (*Alligator mississippiensis*) associating with long-legged wading bird nesting colonies in the Everglades.
- Brittany F. Burtner, M.Sc. Wildlife Ecology & Conservation. 2011. Dispersion patterns of wading birds relative to alligators, and cost and benefit analysis associated with alligator proximity.
- Amber L. Pitt, Ph.D. School of Natural Resources and Environment, 2008. Characteristics of freshwater turtle populations and communities in two distinct sections of a river influenced by a naturally-generated thermal gradient.
- Joseph J. Tavano, M.S. School of Natural Resources and Environment, 2008. Spatial ecology and demographics of a population of *Sternotherus odoratus* in an Ozark stream.
- Lisa A. Gregory, Ph.D. Zoology. 2003. Reptilian stress physiology: Endocrine and molecular facets.
- Daniel Snyder, M.S. Geology, 2001. Evolution of the modern *Alligator* lineage.
- Wendy Leigh Helmey, M.S. Wildlife Ecology and Conservation, 2000. An analysis of the association between environmental factors and observability of subadult American alligators (*Alligator mississippiensis*).
- Jason D. Evert, M.S. Zoology, 1999. Relationships of alligator (*Alligator mississippiensis*) population density to environmental factors in Florida lakes.

- Kelly E. Helmick, M.S. Veterinary Medicine, 1999. In vitro susceptibility pattern of the newly identified pathogen, *Mycoplasma alligatori*, and kinetic disposition of single-dose intravenous and oral administration of enrofloxacin and single-dose intravenous and intramuscular administration of long-lasting oxytetracycline in the American alligator (*Alligator mississippiensis*).
- Damian J. Giroux, M.S. Wildlife Ecology and Conservation, 1998. Lake Apopka revisited: A correlational analysis of nesting anomalies and DDT contaminants.
- Kelley Passek, M.S. (University of Central Michigan), 1996. Kin recognition abilities in hatchling American alligators, *Alligator mississippiensis* Daudin.

#### *In Progress*

- Hernán Mandujano Camacho, Ph.D. Basic Sciences. Ecoetología de la reproducción y vocalizaciones en *Crocodylus acutus*. El Colegio de la Frontera Sur (ECOSUR), Mexico.
- Natalia Rossi, Ph.D. Conservation Genetics. Preliminary Assessment of Reproductive Dynamics of the American crocodile (*Crocodylus acutus*) in Monte Cabaniguan, Cuba. Columbia University.
- Angel Rodrigues, Ph.D. Education. Education Leadership.
- Cassia Camillo, Ph.D., Wildlife Ecology and Conservation. Reproductive ecology of *Podocnemis* river turtles in Brazil.

#### UNDERGRADUATE RESEARCH PROJECTS SUPERVISED

- Dava Boswell, Fall 1988 - techniques to estimate the residual yolk mass of alligator hatchlings.
- Wendy Helmey, Spring 1993 - icing response in alligators.
- Scott Heckerling, Spring 1993 - factors influencing movement and habitat selection in alligators.
- James Greene, Fall 1995 - ecology of juvenile and subadult crocodilians.
- James Green, Spring 1996 – literature pertaining to telemetry and home range.
- Peter Levine, Fall 1995 - allometry of metabolic rate in the American alligator.
- David Gordon, Fall 1995 - allometry of metabolic rate in the Siamese crocodile.
- Rebecca Marshall, Spring 1997 – habitat and diseases in wild and captive crocodilians.
- S. Scott Zevin, Spring 1997 - temperature-dependent sex determination in crocodilians.
- Carey Gunia, Summer 1997 – compilation of data on the reproductive behaviors of alligators and crocodiles. 2 SCH
- Melissa Burnham, Summer 1997 - behavioral thermoregulation in alligators. 4 SCH
- Peter Kim, Fall 1997 – 2 SCH
- Matthew Schrader, Fall 1997 - juvenile distress calls in crocodilians. 2 SCH
- Mike Orlando, Fall 1997 – thermoregulation in alligators. 4 SCH
- Rebecca Marshall, Fall 1997 – antibiotic dosage trials for *Mycoplasma* infected alligators. 3 SCH
- Roni Abraham, Spring 1998 - study of crocodilian dentition. 3 SCH
- Jennifer Maners, Spring 1998 - effects of paper mill effluents on mosquitofish. 3 SCH
- Jennifer Maners, Fall 1998 - trophic analysis of Gulf coast midden faunal assemblages. Honors thesis. 3 SCH
- Mary Brooks, Fall 1998 - techniques in the study of lizard behavior. 2 SCH
- Mary Brooks, Spring 1999 - behavior of the golden gecko, *Gekko ulikovskii*. 1 SCH



- John Puffer, Spring 1999 - thermal influences on the display behavior of *Anolis sagrei*. 2 SCH
- Rick Harper, Fall 1998 - Summer 1999 - embryo metabolism of *Caiman latirostris* and *Osteolaemus tetraspis*. Honors thesis. 6 SCH
- Victor Gonzalez, Summer 2000-Fall 2000 - comparative social displays of two species of *Gekko*. – 10 SCH
- Christian Hofer, Summer 2000-Spring 2001 - review of mechanics of heartwater. – 6 SCH
- Jonathan Kombrinck, Summer 2002 – 1 SCH
- Chris Gregory (ZOO 6905), Spring 2003 – 2 SCH
- Robert Diem (ZOO 4905), Spring 2007 – Human relations with crocodylians - 3 SCH
- Serena Bloom (Zoo 4905), Fall 2007 – Thermal ecology of overwintering American alligators. – 3 SCH.
- Sloane Salzburg (BIO 4905), Fall 2009-Spring 2010 – A functional analysis of gastroliths in American alligators – 6 SCH.
- Elliott Morgan (BIO 4905), Fall 2009 – Morphological correlates of two cryptic species of Nile crocodiles.
- Michael Vo (BIO 4905), Spring 2010 - Cranial nerves of crocodylians - 3 SCH.
- Megan Siegrist (BIO 4905), Fall 2011 – News accounts reveal transport of the American alligator in the United States – 1 SCH.
- Evan Whiting, Morphology and Systematics of Fossil Alligators from the Late Miocene of Florida. Honors Thesis.
- Joe Richichi, Effects of Gastroliths on Alligator Digestive Efficiency – 2 SCH.

#### SUPERVISED TEACHING:

- Akeapot Srifa, Fall 2015, FAS 6940, 3 SCH
- Kathryn Garland, Fall 2007, WIS 6940, 2 SCH
- Nyima Ali, ZOO 4940, Spring 2005. 2 SCH
- Marisa Roberts, ZOO 4940, Spring 1999. 2 SCH
- Sheldon Zevin, ZOO 4905, Fall 1997. 2 SCH
- Lynn Lisenby, Spring 1997
- Susan Moss, Spring 1997
- Rebecca Marshall, Zoo 4940, Fall 1996. 2 SCH

#### INVITED PAPERS / SEMINARS

- Courtship interactions of American alligators. Society for the Study of Amphibians and Reptiles, 1993 Annual Meeting, August 11, 1993, Indiana University, Bloomington.
- Behavioural Interactions Associated with Mating Behaviour of the American Alligator. Second World Congress of Herpetology, December 29-January 6, 1994, University of Adelaide, Adelaide, Australia.
- Courtship of Captive American Alligators (*Alligator mississippiensis*). Crocodylian Biology and Evolution conference, July 8-10, 1998, Department of Zoology, University of Queensland, Brisbane, Australia.
- An Epidemic of Mycoplasmosis in Farmed American Alligators. IUCN Crocodile Specialist Group, July 14-17, 1998, Singapore.
- Identification and Marking of Reptiles *in* Concepts of Reptile Disease and Surgical Techniques symposium, All Florida Herpetological Conference, May 15 & 16 1999, Gainesville, Florida.

- Behavioral Enrichment in Reptiles. 1<sup>st</sup> Reptile and Amphibian Training and Enrichment (RATE) Workshop, Disney's Animal Kingdom Orlando, FL, April 20, 2001.
- Social and Reproductive Behavior of Crocodilians. Susquehanna University, Selinsgrove, PA, April 27, 2001.
- Behavioral Enrichment in Crocodilians. New York Zoological Society, June 25 & 26 2001.
- Ontogeny of Bite-Force Performance in the American Alligator, *Alligator mississippiensis*. 16<sup>th</sup> Working Meeting of the IUCN Crocodile Specialist Group, Gainesville, FL, October 10, 2002. (Lappin, K., Erickson, G., and Vliet, K.)
- Environmental Enrichment in Captive Reptiles. 2<sup>nd</sup> Reptile and Amphibian Training and Enrichment (RATE) Workshop, Orlando, FL, November 9, 2001.
- Neurological Basis of Learning in Crocodilians. 3<sup>rd</sup> Reptile and Amphibian Training and Enrichment (RATE) Workshop, St. Augustine, FL, April 20, 2002.
- Techniques for Identification and Marking of Reptiles, All Florida Herpetological Conference, April 5-6, 2003.
- The Biomechanics of Bounding Crocodiles. Society of Integrative and Comparative Biology 2004 Meeting, New Orleans, LA, January 5-9, 2004.
- Neurology and Learning of Crocodilians. International Herp Breeders Symposium, Daytona, FL, August 12, 2004.
- Social Behaviors of the American Alligator, Bainbridge College, Georgia, February 24, 2005.
- Social Behaviors of the American Alligator, Francis Marion University, Florence, Georgia, April 7, 2005.
- An Overview of Training and Enrichment. RATE (Reptile and Amphibian Training and Enrichment) National Conference, Orlando, FL, December 7, 2005.
- Crocodilian Conservation and Zoos. Association of Zoos and Aquariums Eastern Regional Meetings, Jacksonville, FL, April 31, 2006.
- Management Implications of Training Captive Crocodilians. Symposium on the Biology and Management of Crocodilians, 6<sup>th</sup> World Congress of Herpetology, Manaus, Brazil, 17-22 August 2008.
- Training and Enrichment in Captive Crocodilians. Florida Amphibian and Reptile Working Group, St. Augustine, FL, April 11, 2009.
- Behavior and Terrestrial Adaptations of *Crocodylus rhombifer*. 3<sup>rd</sup> International Workshop on the Conservation of Crocodiles of Cuba, Playa Larga, Cuba, June 2, 2009.
- A Passion for Reptiles: The Life of John Thorbjarnarson. Turtle Survival Alliance Annual Conference, Orlando, Florida. 16 August, 2010.
- Crocodilian Conservation Programs in United States Zoos, I Simposio Colombiano de Crocodilianos – Conservación de Crocodylia: de la caja de Pandora a los huevos de oro. III Congreso Colombiano de Zoología, Medellín, Colombia, 21-26 November, 2010.
- John Thorbjarnarson, a Life with Reptiles. The 34<sup>th</sup> Annual Herpetology Conference, Gainesville, Florida, March 25-26, 2011.
- Biology of the Critically Endangered Cuban Crocodile (*Crocodylus rhombifer*) and Threats of Hybridization. SEPARC (Southeast Partners in Amphibian and Reptile Conservation) 2012 Annual Meeting, February 16-19, 2012, Fall Creek Falls State Park, Tennessee.
- Evolution and polymorphism in the genus *Alligator*. All Florida Herp Conference, Gainesville, FL. 4 April 2014. (Whiting, E.T., Vliet, K.A., Steadman, D.W.).
- Animal Programs – New Species, Space and Sustainability. Presented at the annual meeting of the AZA Crocodilian Advisory Group, April 18, 2014, San Antonio, Texas.

- How Many Species of Crocodiles Are There? Current Advances in Crocodylian Species Identity. Presentation in the “How Many Crocodylian Species are There?” special session at the 23<sup>rd</sup> Working Meeting of the IUCN SSC Crocodile Specialists Group, Lake Charles, LA, May 26-30, 2014.
- Rigorous Approaches to Species Delimitation Lead to Recognition of Cryptic African Crocodiles in the Genera *Mecistops* and *Crocodylus*. Presentation in the “How Many Crocodylian Species are There?” special session at the 23<sup>rd</sup> Working Meeting of the IUCN SSC Crocodile Specialists Group, Lake Charles, LA, May 26-30, 2014. (Shirley, M., Austin, J.D., Vliet, K., Carr, A.N., Nestler, J.H., and Villanova, V.).
- Conserved DNA Elements as Tools for Understanding Crocodylian Biology. Presentation in the “How Many Crocodylian Species are There?” special session at the 23<sup>rd</sup> Working Meeting of the IUCN SSC Crocodile Specialists Group, Lake Charles, LA, May 26-30, 2014. (Glenn, T., Faircloth, B., Finger, J., Kieran, T., Isberg, S., Moran, C., Vliet, K., Shirley, M., Venegas-Anaya, M., Densmore, L., Green, R.E., Braun, E., and Ray, D.).
- The Science of Bartram’s Observations of Alligators. The Bartram Trail Conference, Ravine Gardens State Park, Palatka, Florida, October 16-18, 2015.

#### DEPARTMENTAL SEMINARS

- Stetson University, Deland, Florida
- Eckerd College, St. Petersburg, Florida
- Bainbridge College, Bainbridge, Georgia
- University of Nevada, Las Vegas, Nevada
- Gettysburg College, Gettysburg, Pennsylvania
- Susquehanna University, Selinsgrove, Pennsylvania
- Francis Marion University, Florence, South Carolina
- Central Michigan University, Mount Pleasant, Michigan

#### OTHER PRESENTATIONS

- Mycoplasmosis in Farmed Alligators. 15<sup>th</sup> Working Meeting of the IUCN Crocodile Specialist Group, Singapore, June 1994.
- What Do You Know About Alligators? A talk with kids at Gatorland, Kissimmee, FL, February, 1997.
- Perspectives in Crocodylian Behavior. St. John’s Audubon Society, March 26, 1997.
- Alligators All Around You. Marineland Diabetes Camp, Marineland, FL, June 23, 1997.
- Alligator Behavior and Zoo Husbandry. Sante Fe Community College, Gainesville, FL, February 17, 1998.
- Alligator Biology. Florida Game & Fresh Water Fish Commission Reptile Expo, Chinsegut Nature Center, Brooksville, FL, October 10, 1998.
- St. Augustine Alligator Farm field trip, University of Florida Biology of the Crocodylia seminar (WIS 6934), September 5, 1998.
- Crocodylian Behavior Lectures, University of Florida Biology of the Crocodylia seminar (WIS 6934), October 14, 1998.
- Alligator Behavior and Captive Management Techniques, North Carolina Zoological Park, Asheboro, NC, October 2-4, 1998.
- Crocodylian Behavior. University of Florida Herpetology Graduate Seminar, March 17, 1999.
- Alligator Ecology and Management, League of Environmental Educators Annual Conference, Ellenton, FL, April 6, 2002.

- Alligator Behavior and Natural History, League of Environmental Educators Annual Conference, Ellenton, FL, April 6, 2002.
- Alligator Behavior, University of Florida Mass Communications (MMC 2100) guest lecture, October 10, 2002.
- Alligator Natural History, Marion County Board of Education Teachers Outreach Program, Silver River Museum, January 17, 2003.
- Behavioral Ecology of the American Alligator. Calusa Herpetological Society, Fort Myers, Florida, September 5, 2002.
- Crocodilian Biology, University of Florida Herpetology (Zoo 6927/4926) guest lecture, March 17, 2003.
- Changing Perspectives in Alligator Behavior. Florida Association of Family Councilors and Educators (FAFCE), Ravine Gardens State Park, Palatka, January 27, 2004.
- Current Topics in Crocodylian Biology. Gainesville Herpetological Society, May 5, 2004.
- Natural History of the American Alligator. SEAVET I, St. Augustine, Florida, August 9, 2004.
- Social Behaviors and Reproduction of the American Alligator. Florida Birding Festival, St. Petersburg, FL, October 8, 2004.
- St. Augustine Alligator Farm field trip. University of Florida Herpetology (Zoo 6927/4926), February 19, 2005.
- Natural History of the American Alligator. SEAVET I, St. Augustine Florida, June 9, 2005.
- Social and Reproductive Behaviors of the American Alligator, Boyd Hill Nature Park, St. Petersburg, FL, September 13, 2005.
- The American Alligator: The Behavior and Ecology of a Living Dragon. Chinsegut Nature Center, Brooksville FL, November 15, 2005.
- The Living Crocodilians. University of Florida Vertebrate Zoology (Zoo 2303) field trip, October 29, 2005.
- Alligator Anatomy and Husbandry. University of Florida Exotic Animal Medicine (VEM5830), April 17, 2006.
- Comparison of Innate Immune Activity of 23 Living Crocodilian Species. 18<sup>th</sup> Working Meeting of the IUCN Crocodilian Specialist Group, June 23, 2006, Montelimar, France. (Vliet, K.A., Merchant, M., Mills, K, Leger, N., Jenkins, E., McDaniel, N.)
- Insincere Remorse and Botulinum Toxin A. Society of Clinical Neurologists Annual Meeting, June 24, 2006. (Shaner, D.M. and Vliet, K.A.).
- Alligators. Kiwanis Club, Gainesville, Florida, May 31, 2006.
- Gators! Rotary Club, Gainesville, Florida, August 31, 2006.
- Current Research Topics in Crocodilian Biology. Sun Coast Herpetological Society, Clearwater, Florida, October 18, 2006.
- Alligator: In the Realm of a Living Dragon. Florida Trails Association. Gainesville, Florida, November 16, 2006.
- Alligators: Ancient Reptiles in a Modern World. St. Petersburg Audubon Society. St. Petersburg, Florida, November 21, 2006.
- Crocodilian Social Behavior. University of Florida, Herpetology (Zoo4926), February 26, 2007.
- Alligators in Florida. Brooker Creek Preserve, Parton Springs, Florida, June 23, 2007.
- All About Alligators. Reptile and Amphibian Festival, Chinsegut Nature Center, Brooksville, Florida, October 6, 2007.

- The Life of the Alligator in Florida, Florida Association of Home & Community Educators District Meeting, Crystal River, Florida, October 8, 2007.
- Biology of the American Alligator. University of Florida Aquatic Animal Clerkship, March 18, 2008.
- Florida's Alligators. Sanibel Captiva Conservation Center, April 16 2008.
- Alligator Natural History. SEAVET I, St. Augustine Florida, June 20, 2008.
- Gators: Living in their World. Invited presentation hosted by The Sanctuary Golf Club, "Ding" Darling Wildlife Society, and Sanibel-Captive Conservation Foundation. Sanibel, Florida, March 31, 2009.
- Natural History of the American Alligator. Guest lecturer to Introduction to Marine Wildlife (VME6934/4906). May 27, 2010.
- The Alligators Among Us: Living with Alligators. The Sanctuary Golf Club and Sanibel-Captive Conservation Foundation. Sanibel, Florida, June 18, 2010.
- Cuban Crocodiles of the Caribbean. Florida Museum of Natural History "Caribbean Breeze" Summer Camp. Gainesville, Florida, June 23, 2010.
- Comparison of Serum Phospholipase A<sub>2</sub> Activities of All Known Extant Crocodylian Species. Crocodylian Specialist Group Biennial Meeting, Manaus, Brazil. 16 September, 2010. (Vliet, K.A., and Merchant, M.).
- Crocodylian Systematics: New species, new programs, new problems. 25<sup>th</sup> Annual Crocodylian Advisory Group meeting, San Diego, California, March 16-17, 2011.
- Lotic Ecology of Crocodylians. Invited lecture for WIS6934/4934 Vertebrates in Lotic Habitats, April 10, 2012.
- Biology of the Alligator. Invited lecture for WIS3402 Wildlife of Florida, April 20, 2012.
- Invited lecture for VME 4906/6934 Aquatic Wildlife Health Issues, May 31, 2012.
- Not-so-cryptic crocodile species: Morphological Divergence in the African slender-snouted crocodile (Carr, A.N., Shirley, M.H., and Vliet, K.A.). Poster presented at All Florida Herpetology Conference, April 5-6, 2013.
- Discovery of Multiple Native Cationic Antimicrobial Peptides with Hydrogel Microparticles and ETD *De Novo* Sequencing by Orbitrap Mass Spectrometry. 62<sup>nd</sup> Annual Conference, American Society for Mass Spectrometry, June 15-19, 2014. Baltimore, MD. (Russo, P., Juba, M., Devine, M., Barksdale, S., Rodriguez, P., Chung, M., Vliet, K., Tchernyshyov, I., Van Eyk, J., Anderson, L., Bai, D., Shabanowitz, J., Hunt, D., Schnur, J., Van Hoek, M., and Bishop, B.).
- Crocodylian Species Identification. Invited seminar for state and federal wildlife inspectors. St. Augustine Alligator Farm Zoological Park, November 6, 2013.
- Evolution and polymorphism in the genus *Alligator*. (Whiting, E.T., Vliet, K.A., and Steadman, D.W.). Presented at 37<sup>th</sup> Annual Herpetology Conference, Gainesville, FL, April 4, 2014.
- Alligators: Biology and Ecology. Invited lecture for WIS3402 Wildlife of Florida, April 9, 2014.
- Animal Programs – New Species, Space and Sustainability. Presented at the annual meeting of the AZA Crocodylian Advisory Group, April 18, 2014, San Antonio, Texas.
- Introduction to the Session and to Zoo Programs and Practices. Presentation in "The Impact of Zoos on Crocodylian Conservation and Biology" special session at the 23<sup>rd</sup> Working Meeting of the IUCN SSC Crocodile Specialists Group, Lake Charles, LA, May 26-30, 2014.
- Conserved DNA Elements as Tools for Understanding Crocodylian Biology. Presentation at the 23<sup>rd</sup> Working Meeting of the IUCN SSC Crocodile Specialists Group, Lake Charles, LA, May 26-30, 2014. (Glenn, T., Faircloth, B., Finger, J., Kieran, T., Isberg, S., Moran, C., Vliet, K., Shirley, M., Venegas-Anaya, M., Densmore, L., Green, R.E., Braun, E., and Ray, D.).
- Discrete Character Coding and Allometric and Morphometric Analysis Delineate Two Apparently Cryptic African Slender-snouted Crocodile Species. Poster presentation at the 23<sup>rd</sup> Working Meeting of the IUCN

SSC Crocodile Specialists Group, Lake Charles, LA, May 26-30, 2014. (Carr, A.N., Nestler, J.H., Shirley, M.H., Vliet, K.A.).

- Alligators Among Us, The Sanctuary, Sanibel, FL, January 20, 2015.
- Alligator: Icon of our Southern Wetlands, Santa Fe Audubon Society, Melrose, FL, February 10, 2015.
- Space: *The Limiting Factor*. Presented in “Facing the Real Threats to Collection Sustainability” session at the Annual Conference of the Association of Zoos and Aquariums, September 17-21, 2015, Salt Lake City, Utah.
- Large Scale Discovery and *De Novo*-Assisted Sequencing of Native Cationic Antimicrobial Peptides (CAMPs) from the Komodo Dragon (*Varanus komodoensis*). American Society for Mass Spectrometry, June 5-9, 2016, San Antonio. (Russo, P., Juba, M., Devine, M., Barksdale, S., Gupta, K., Scott, S., Vliet, K., Schnur, J., vanHoek, M., Bishop, B.)
- Exploring Potential Digestion Traces on *Lepisosteus* Scales in Vertebrate Microfossil Bonebeds, Upper Cretaceous Judith River Formation, North-Central Montana, Society of Vertebrate Paleontology Annual Meeting, October 26-29, Salt Lake City, Utah. (Sullivan, P.M., Rogers, R.R., Vliet, K.A.)
- The Crocodylian Death Roll: The Utility of Multiple Modern Analogues in Paleontological Research of Behavior, Society of Vertebrate Paleontology Annual Meeting, October 26-29, Salt Lake City, Utah. (Drumheller-Horton, S., Darlington, J., Vliet, K.A.).

REFERENCES UPON REQUEST