

Curriculum Vitae

Scott L. Kight, Ph.D.

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Associate Professor
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EDUCATION

Ph.D.	Biology	Indiana University Bloomington	May 1996
		Ph.D. Concentration: Ecology, Evolution and Behavior Ph.D. Minor: Anthropology Ph.D. Area Certificate: Animal Behavior	
M.S.	Zoology	Eastern Illinois University Charleston, IL	May 1991
B.S.	Zoology	Southern Illinois University Carbondale, IL	May 1989
	Minor: Chemistry		
A.S.	Science	Olney Central College Olney Illinois	May 1987

PROFESSIONAL EXPERIENCE

Montclair State University
Department of Biology and Molecular Biology

Chairperson	July 2003 – June 2006
Acting Chairperson	February 2003 – June 2003
Associate Chairperson	July 2002 – February 2003
Associate Professor	September 2002 –
Doctoral Faculty (D.Env.M.)	September 2004 –
Fellow: Passaic River Institute	September 2004 –
Fellow: Center of Pedagogy	September 1998 –
Assistant Professor	September 1997 – 2002

PROFESSIONAL EXPERIENCE (CONT)

Visiting Assistant Professor	Skidmore College Department of Biology	September 1996 – 1997
Associate Instructor	Indiana University Department of Biology	September 1991 – 1996
Graduate Teaching Assistant	Eastern Illinois University Department of Zoology	September 1989 – 1991

HONORS AND AWARDS

College of Science and Mathematics Teaching Award	April 2008
College of Science and Mathematics Service Award	March 2005
Phi Kappa Phi	March 2004
Who's Who Among America's Teachers	June 2004
MSU SGA Outstanding Teacher Award	April 1998

TEACHING EXPERIENCE – MONTCLAIR STATE UNIVERSITY

BIOL 100	Biological Science	Summer 1998
BIOL 113	Principles of Biology II	Fall 02-09, Spring 03-11, Summer 09
BIOL 132	Animal Form and Function	Fall 1997-2001, Spring 1998-2002
BIOL 199	Freshman Seminar in Biology	Fall 2004, 2006
BIOL 330	Introduction to Animal Behavior	Summer 1999-2010
BIOL 417	Evolutionary Biology	Fall 97-10, Spring 04-11, Winter 10-11
BIOL 431	Entomology	Fall 1998, 2001, 2003, 2004, Spring 2008
BIOL 432	Medical Entomology	Spring 1998
BIOL 436	Phylogenetic Zoology	Spring 2003
BIOL 480	Research I: Organism Biology	Fall 2000
BIOL 481	Research II: Organism Biology	Spring 2001
BIOL 484	Research I: Ecology	Summer 2004, 2005, 2007
BIOL 485	Research II: Ecology	Summer 2004, 2005, 2007
BIOL 490	Senior Seminar in Biology	Fall 2007, Spring 2004-2006
BIOL 518	Teaching College Biology	Fall 2000-2002
BIOL 532	Advanced Entomology	Fall 2004
BIOL 570	Ecology	Fall 07, 10, Spring 1999, 2000, 2002, 2006
BIOL 580	Evolutionary Mechanisms	Fall 2005, 09-10 Spring 2004, 07, 08, 11
HONP 211	Honors Seminar in Science II	Spring 1999, 2000-2005, 2010
PHED 401	Teaching of Science (Methods)	Fall 2000, 2001, 2002, 2003

STUDENT RESEARCH

M.S. Theses

Gena Coffey, B.S.	Season and paternal care in belostomatids	Spring 2011
Jonathan Puglionisi, B.S.	Reproductive ecology of milfoil weevils	Spring 2010
Christina Soman, B.S.	Language as “honest signal” in mate choice	Spring 2010
Mary Castillo, M.S.	Predator stress and reproduction in oniscids	Spring 2004
Carolyn Eadie, M.S.	An empirical test of the Red Queen hypothesis	Spring 2001

Other M.S. Research (published)

Gena Coffey, B.S.	Lateralized behavior in <i>Belostoma</i>	2008
Julie Lucente, B.S.	Lateralized behavior in <i>Belostoma</i>	2008
K. Houghtaling, B.S.	Turn alternation in oniscids	2006
Mary Castillo, M.S.	Predator stress and reproduction in oniscids	2005
Carolyn Eadie, M.S.	Classical conditioning in <i>Plethodon</i>	2005
Melissa Ozga, M.S.	Costs of reproduction in oniscids	2002
Bryan Krall, M.S.	Chemical defense in maternal cydnids	1997

Undergraduate Research (published)

L. Steelman. (now M.D.)	Lateralized behavior in <i>Belostoma</i>	2008
Marianne. Castillo, B.S.	Lateralized behavior in <i>Belostoma</i>	2008
Dysha Lynch, B.S.	Classical conditioning in <i>Plethodon</i>	2005
Jennifer Coelho, B.S.	Classical conditioning in <i>Plethodon</i>	2005
Alicja DeWera, B.S.	Classical conditioning in <i>Plethodon</i>	2005
Meydar Nevo, B.S.	Stress and reproduction in oniscids	2004
A. Hashemi, B.S.	Food availability and reproduction in oniscids	2003
M. Martinez, B.S.	Body size and overwintering in oniscids	2001
A. Merkulov, B.S.	Body size and overwintering in oniscids	2001
Mary Batino, B.S.	Temperature and paternal care in belostomatids	2000
Zhen Zhang, B.S.	Temperature and paternal care in belostomatids	2000
Jacob Cseke, B.S.	Temperature dependent maternal care in cydnids	1999

High School Student Research (published)

Ben Ng	Contact behavior in gyridid beetles	1996
J. Sprague (now Ph.D.)	Swimming efficiency in gravid belostomatids	1995

Other Undergraduate Research (research conference presentations)

(published co-authors above also gave multiple presentations but are not listed below)

A. Casner	Sexual selection in mosquitofish (pending)	Spring 2011
H. Fackelmann	Sexual selection in mosquitofish (pending)	Spring 2011
A. Tanner, B.S.	Season and parental care in <i>Belostoma</i>	Spring 2007
C. Connoly, B.S.	Habitat preference in <i>Notophthalmus</i>	Fall 2004
A. Richardson, B.S.	Habitat preference in <i>Notophthalmus</i>	Fall 2004
Shawn Goring	Magnetic compass orientation in <i>Notophthalmus</i>	Fall 2004
M. Castillo, B.S.	(Not my M.S. student) Turn bias in belostomatids	Spring 2004
L. Steelman, Ph.D.	(2 nd B.S.) T-maze learning in belostomatids	Spring 2004
A. Bartley, B.S.	Effects of RET and GFRA in NB41A3 cells	Spring 2001
E. Conception, B.S.	Morphological conservation in clonal lineages	Spring 2001
Shyanne Vega, B.S.	Morphological conservation in clonal lineages	Spring 2001
M. Dixon, B.S.	Phototaxis and color perception in land snails	Spring 2001
Sara Mendoza, B.S.	Phototaxis and color perception in land snails	Spring 2001
P. Nguyen, B.S.	Phototaxis and color perception in land snails	Spring 2001
R. Molinaro, B.S.	Murine infanticide and foraging complexity	Spring 2001
Robyn Kline, B.S.	Murine infanticide and foraging complexity	Spring 2001
Peter Tadros, B.S.	Aggression and experience in <i>Betta splendens</i>	Spring 2001
C. White, B.S.	Predatory decision-making in mantids	Spring 2001
Sarah Ramirez, B.S.	Bone development under heavy metal exposure	Spring 2001
N. Maignan, B.S.	Classical conditioning in <i>Plethodon</i>	Spring 2000
Chadwick Leo, B.S.	Classical conditioning in <i>Plethodon</i>	Spring 2000
Anna Zajac, B.S.	Classical conditioning in <i>Plethodon</i>	Spring 2000
Kenya Galindez, B.S.	Classical conditioning in <i>Plethodon</i>	Spring 2000
Marie Benson, B.S.	Classical conditioning in <i>Plethodon</i>	Fall 1999

Additional Graduate Research

E. Dahl	Vocabulary as honest signal in mate choice	Summer 2010
K. Schmid, B.S.	Mortality in brooding belostomatids	Fall 2006

Additional Undergraduate Research (independent studies BIOL418)

A. Gardner	Vocabulary as honest signal in mate choice	Spring 2011
Z. Estevez	Vocabulary as honest signal in mate choice	Spring 2011
N. Lawrence	Vocabulary as honest signal in mate choice	Fall 2010
J. Ricketts	Vocabulary as honest signal in mate choice	Fall 2010
S. Hashemisohi	Vocabulary as honest signal in mate choice	Summer 2010
M. Holsten	Vocabulary as honest signal in mate choice	Spring 2010
E. Malyshev	Vocabulary as honest signal in mate choice	Spring 2010
M. Moore	Global climate change and behavior	Summer 2009
J. Puglionisi	Global climate change and behavior	Spring 2009
E. Habura	Global climate change and behavior	Spring 2009
M. Witek	Global climate change and behavior	Fall 2008

S. Girley	Global climate change and behavior	Fall 2008
L. Bucci	Global climate change and behavior	Fall 2008
P. Chan	Sexual antagonism in guppies	Spring 2008
D. Muro	Sexual antagonism in guppies	Spring 2008
K. Astorga	Refuge and sexual antagonism in guppies	Fall 2007
B. Knipping	Familiar females and sexual antag in guppies	Fall 2007
L. Salerno	Predator and sexual antagonism in guppies	Fall 2007
M. Baranowski, B.S.	Foraging behavior in sunfish	Spring 2005
Claudia Batson, B.S.	Predatory behavior of wolf spiders	Fall 2004
Julissa Torres, B.S.	Morphological analysis of aquatic invertebrates	Fall 2004
Daniel Carrino, B.S.	Lateralized behavior in belostomatids	Spring 2004
I. Huertas, B.S.	Maternal investment in oniscids	Fall 2002
Jenna Brandt, B.S.	Maternal investment in oniscids	Summer 2002
Jaime Roldan, B.S.	Maternal investment in oniscids	Fall 2001
F. DeLaCruz, B.S.	Maternal investment in oniscids	Fall 2001
W. Heaney, B.S.	Maternal investment in oniscids	Fall 2000
M. Dalkowska, B.S.	Classical conditioning in <i>Plethodon</i>	Summer 2000
Victoria Velez, B.S.	Morphological analysis of oniscids	Spring 2000
Sorwar Barik, B.S.	Analysis of insects of Malaysia	Fall 1999
B. Severino, B.S.	Morphological analysis of oniscids	Fall 1999
D. Graziano, B.S.	Morphological analysis of oniscids	Spring 1999
Meghna Patel, B.S.	Morphological analysis of oniscids	Spring 1999
Baljit Punia, B.S.	Morphological analysis of oniscids	Spring 1999
Sabine Cima, B.S.	Morphological analysis of oniscids	Fall 1998
Kristen Priolo, B.S.	Morphological analysis of oniscids	Fall 1988

Additional Undergraduate Research (Research: Ecology BIOL 484/485)

A. Olawemimo	Thermal influences on anuran behavior	Summer 2007
Rachel Baird	Thermal influences on anuran behavior	Summer 2007
V. Bonhomme	Spatial behavior in gyrinid beetles	Summer 2007
Donna Destefano	Feeding behavior of crayfish	Summer 2007
M. Krasnopolsky	Spectral sensitivity of sunfish	Summer 2007
W. Martinez	Spatial behavior of gerrid waterstriders	Summer 2007
Philip Prentice	Distribution of ticks at NJSOC	Summer 2007
Lady Santoyo	Bio-assessment of the Flatbrook river	Summer 2007
Abdul Shah	Spectral sensitivity of sunfish	Summer 2007
Brynn Sheehan	Feeding behavior of crayfish	Summer 2007
Nicole Tarsan	Spatial distribution of turtles at NJSOC	Summer 2007
B. Thertus	Response of gyrinids to predator cues	Summer 2007
Paul Titcombe	Spectral sensitivity of sunfish	Summer 2007
Tagen Carbone	Compass orientation in turtles	Summer 2004
Darrell Carson, B.S.	Response to oxygen stress in stonefly larvae	Summer 2004
John Clark	Mineral contaminant uptake in bryophytes	Summer 2004
Stael Dumesle	Comparison of paternal behavior in sunfish	Summer 2004
Sean Maurizi	Allelochemical effects of hemlock stands	Summer 2004

Jonathan Ram, B.S.	Comparison of sunfish foraging in two lakes	Summer 2004
Travis Reed, B.S.	Conspecific aggression in <i>Dolomedes</i>	Summer 2004
Tezeta Roro	Antimicrobial properties of bryophytes	Summer 2004
Tiffany Bineli, B.S.	Chemical defense in <i>Notophthalmus</i>	Summer 2003
Nicole Graziosi	Chemical defense in <i>Notophthalmus</i>	Summer 2003
R. Roshniben	Chemical defense in <i>Notophthalmus</i>	Summer 2003
Ryan Ippolito, B.S.	Sex-biased habitat selection in crayfish	Summer 2003
W. Mellman, B.S.	Morphology and habitat in sunfish	Summer 2003

PUBLICATIONS and PRESENTATIONS

Refereed Publications

- Kight, S.L., Tanner, A.W., Coffey, G.L. In Press. Termination of brooding in male giant waterbugs is associated with season, egg pad size, and presence of females. *Invertebrate Reproduction and Development*.
- Kight, S.L. 2008. Reproductive ecology of terrestrial isopods (Crustacea: Oniscidea). *Terrestrial Arthropod Reviews*. 1:95-110.
- Kight, S.L., Steelman, L., Coffey, G., Lucente, J., & Castillo, M. 2008. Evidence of population-level lateralized behaviour in giant waterbugs, *Belostoma flumineum* Say (Heteroptera: Belostomatidae): T-maze turning is left biased. *Behavioural Processes*. 79: 66-69.
- Houghtaling, K. & Kight, S.L. 2006. Turn alternation in response to substrate vibration by terrestrial isopods, *Porcellio laevis* (Isopoda: Oniscidea) from rural and urban habitats in New Jersey, USA. *Entomological News*. 117: 149-154.
- Kight, S.L., Gaynor, J.J. & Adams, S.A. 2006. Undergraduate research communities: A powerful approach to research training. *Journal of College Science Teaching*. 35: 34-39.
- Castillo, M.E. & Kight, S.L. 2005. Response of terrestrial isopods, *Armadillidium vulgare* and *Porcellio laevis* (Isopoda: Oniscidea) to the ant *Tetramorium caespitum*: Morphology, behavior and reproductive success. *Invertebrate Reproduction and Development*. 47:183-190.
- Kight, S.L., Eadie, C., Lynch, D., Coelho, J. & DeWera, A. 2005. Classical conditioning of red-backed salamanders, *Plethodon cinereus*. *Bulletin of the Maryland Herpetological Society*. 41:68-84.
- Kight, S.L. & Nevo, M. 2004. Female terrestrial isopods, *Porcellio laevis* Latreille (Isopoda: Oniscidea) reduce brooding duration and fecundity in response to physical stress. *Journal of the Kansas Entomological Society*. 77:285-287.

- Kight, S.L. & Hashemi, A. 2003. Diminished food resources are associated with delayed reproduction or increased post-reproductive mortality in brood-bearing terrestrial isopods, *Armadillidium vulgare* Latreille. *Entomological News*. 114: 61-68.
- Kight, S.L. & Ozga, M. 2002. Costs of reproduction in the terrestrial isopod *Porcellio laevis* Latreille (Isopoda: Oniscidea): brood-bearing and locomotion. *Journal of the Kansas Entomological Society*. 74:166-171.
- Kight, S.L., Martinez, M. & Merkulov, A. 2001. Body size and survivorship in overwintering populations of *Porcellio laevis* (Isopoda: Oniscidea). *Entomological News*. 112: 112-118.
- Kight, S.L., Batino, M. and Zhang, Z. 2000. Temperature-dependent parental investment in giant waterbugs, *Belostoma flumineum* Say (Heteroptera: Belostomatidae). *Annals of the Entomological Society of America*. 93:340-342.
- Kight, S.L. 2000. Altered photocyclic regimes influence the duration of maternal care in a burrower bug (Heteroptera: Cydnidae). *Entomological News*. 111:67-73.
- Kight, S.L. and Cseke, J.J. 1999. The effects of ambient temperature on the duration of maternal care in a burrower bug (Heteroptera: Cydnidae). *Journal of the Kansas Entomological Society*. 71:183-187.
- Kight, S.L. 1998. Precocene II modifies maternal responsiveness in the burrower bug, *Sehirus cinctus* (Heteroptera). *Physiological Entomology*. 23:38-42.
- Krall, B.S., Zilkowski, B.W., Kight, S.L., Bartelt, R.J. & Whitman, D.W. 1997. Chemistry and defensive efficacy of the secretion of the burrower bug (*Sehirus cinctus cinctus*). *Journal of Chemical Ecology*. 23:1951-1962.
- Kight, S.L. 1997. Factors influencing maternal behavior in a burrower bug, *Sehirus cinctus*, (Hemiptera: Cydnidae). *Animal Behaviour*. 53:105-112
- Kight, S.L. 1996. Post-conflict behavior in Japanese macaques at the Indianapolis zoo: Age of opponents influences reconciliation. *Proceedings of the Indiana Academy of Science*. 105:269-276.
- Kight, S.L., Rozema Jenkins, J. & Ng, B. 1996. Differential contact behavior by female whirligig beetles, *Dineutus assimilis* Kirby (Coleoptera: Gyrinidae). *Journal of the Kansas Entomological Society*. 69:360-362
- Kight, S.L. 1996. Concaveation and maintenance of maternal behavior in a burrower bug (*Sehirus cinctus*): A comparative perspective. *Journal of Comparative Psychology*. 110:69-76

- Kight, S.L., Sprague, J., Kruse, K.C. & Johnson, L. 1995. Are egg-bearing male water bugs, *Belostoma flumineum* Say (Hemiptera: Belostomatidae), impaired swimmers? *Journal of the Kansas Entomological Society* 68:468-470.
- Kight, S.L. 1995. Do maternal burrower bugs, *Sehirus cinctus* Palisot (Heteroptera: Cydnidae), use spatial and chemical cues for egg-discrimination? *Canadian Journal of Zoology* 73:815-817.
- Kight, S.L. & K.C. Kruse. 1992. Factors affecting the allocation of paternal care in waterbugs (*Belostoma flumineum* Say). *Behavioral Ecology and Sociobiology* 30:409-414.

Books and Chapters

- Kight, S.L. In Press. Danger in the water (Giant Waterbugs). In. Prete, F. ed. *Predator!* University of Chicago Press.

Invited Professional Presentations

2007. "Do arthropods make adaptive decisions about parental care?" William Patterson University.
2007. "Arthropod abortion: Is being a bad parent a good evolutionary strategy?" Drew University.
2005. "Arthropod abortion." Psychology Department Research Seminar. Montclair State University.
2005. "Arthropod parental care." Eastern Illinois University Biology Seminar.
2005. "Sex, lies and parasites: What lessons about sexuality can be learned from other animals?" Human Sexuality Series, Montclair State University.
2003. "Undergraduate research in animal behavior: Passing the torch." Indiana University Animal Behavior Seminar Series. Bloomington, Indiana.
2002. "Insect parental care: A tale of three critters." University of Delaware Entomology Seminar Series, Newark, Delaware.
2001. "The evolution of parental investment strategies in arthropods." Essex County College Bioseminar Series. Newark, New Jersey.
1999. "Parental behavior in *Sehirus cinctus* (Hemiptera: Cydnidae): an integrative approach." Heteropterists Working Group, Annual Meetings of the Entomological Society of America, Atlanta.
1996. "Mate choice and parental decision-making in the water bug *Belostoma flumineum* Say (Heteroptera: Belostomatidae)." XX International Congress of Entomology, Firenze, Italy.
1995. "Cyber-ethology: Recording and analyzing behavior with The Observer®." Animal Behavior in Education Workshop: Annual Meetings of the Animal Behavior Society, University of Nebraska, Lincoln.
1995. "Insect parental care: proximate and ultimate considerations." Eastern Illinois University Zoology Seminar.

Professional Presentations/Abstracts
(* denotes research student co-presenter)

2008. “Evidence of population-level lateralized behaviour in giant waterbugs, *Belostoma flumineum* Say (Heteroptera: Belostomatidae): T-maze turning is left-biased. Scott Kight, *Laura Steelman, *Gena Coffey, *Julie Lucente, *Maryanne Castillo.
-Animal Behavior Society Annual Meetings, Salt Lake City, UT.
2007. “Do photoperiod, egg pad size, and age of parent affect paternal care and mortality in giant waterbugs?” *Andrew Tanner and Scott Kight.
- First Annual Student Research Symposium. Montclair State University.
2007. “Do photoperiod, age and season affect paternal investment in giant waterbugs, *Belostoma flumineum* Say?” * Andrew Tanner and Scott Kight.
- First Annual Undergraduate Research Conference. William Patterson University.
2007. “Do age and/or social context influence termination of paternal care in giant waterbugs *Belostoma flumineum* Say?” Scott Kight and *Gena Coffey
- Annual Meetings of the Entomological Society of America, Eastern Branch. Harrisburg, PA.
2006. “Termination of paternal care in giant waterbugs, *Belostoma flumineum* Say: The effects of age and season.” Scott Kight and *Gena Coffey.
-Annual Meetings of the Mid-Atlantic Chapter of the Ecological Society of America. New Jersey School of Conservation.
2006. “A behavioral assay of thermal and oxygen stress in stonefly larvae (Plecoptera: Perlidae).” Scott Kight and *Darrell Carson.
-New Jersey Water Monitoring Workshop. New Jersey Water Monitoring Coordinating Council. Rutgers University.
2005. “Stress and reproduction in terrestrial isopods (Isopoda: Oniscidea).” Scott Kight
-Annual meetings of the Central States Entomological Society. University of Kansas.
2004. “Lateralized behavior in giant waterbugs, *Belostoma flumineum* Say (Heteroptera: Belostomatidae).” Scott Kight & *Julie Lucente
- Annual meetings of the American Entomological Society. University of Delaware.
2004. “T-maze learning in giant waterbugs, *Belostoma flumineum* Say (Heteroptera: Belostomatidae).” *Julie Lucente & Scott Kight
- Annual meetings of the American Entomological Society. University of Delaware.
- 2004 “Habitat Preference is Associated With Morphology, but not Phototaxis, in Eastern Red-Spotted Newts, *Notophthalmus viridescens*.” *Anthony Richardson, *Christine Connelly & Scott Kight
- Annual meetings of the Metropolitan Association of College & University Biologists
- 2004 “Orientation by Magnetic Compass in the Eastern Red-Spotted Newt, *Notophthalmus viridescens*: A Field Study.” *Shawn Goring & Scott Kight
- Annual meetings of the Metropolitan Association of College & University Biologists
2004. “Turn bias in a T-maze apparatus: Giant waterbugs are left handed. *Gena Coffey, *Julie Lucente, *Marianne Castillo & Scott Kight.
- 27th Annual Sigma Xi Student Research Conference. Montclair State University.
2004. “T-maze learning in giant waterbugs (*Belostoma flumineum* Say): Substrate is more rewarding than food. *Laura Steelman, *Gena Coffey, *Marianne Castillo & Scott Kight.
- 27th Annual Sigma Xi Student Research Conference. Montclair State University.

2004. "Is reproductive success in terrestrial isopods (Isopoda: Oniscidea) influenced by harassment from ants? A comparison of two species." *Mary Ellen Castillo & Scott Kight.
- 27th Annual Sigma Xi Student Research Conference. Montclair State University.
- 2002-2003. "The effects of physical stress on reproductive success in the terrestrial isopod *Porcellio laevis*." *Meydar Nevo & Scott Kight.
- Annual CSAM research fundraising symposium. Montclair State University. 2003.
- 35th Annual Fall MACUB Conference, Kingsborough Community College, BrooklynNY, 2002.
- 25th Annual Sigma Xi Student Research Conference. MSU. May 12, 2002.
2002. "Diminished food resources, delayed reproduction and increased mortality in brood-bearing terrestrial isopods *Armadillidium vulgare*." *Anaiseh Hashemi & Scott Kight
- 35th Annual Fall MACUB Conference, Kingsborough Community College, BrooklynNY, 2002.
- 25th Annual Sigma Xi Student Research Conference. Montclair State University. May 12, 2002.
2001. "An empirical examination of the Red Queen hypothesis for the evolution of sex." *Carolyn Eadie, John Smalley & Scott L. Kight.
- 2001 joint meeting of the Society for the Study of Evolution (SSE), The American Society of Naturalists (ASN), and The Society of Systematic Biologists (SSB). June 26-30, University of Tennessee.
2001. "An experimental test of the Red Queen hypothesis: Does it take all the running flies can do to stay where they are?" *Carolyn Eadie, John Smalley & Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University. May 12, 2001.
2001. "The effects of RET and GFRa in NB41A3 cells." *Aundrea Bartley, Quinn Vega & Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University. May 12, 2001.
2001. "Is tentacle number conserved in clonal lineages of *Hydra littoralis*?" *Emy Concepcion, *Shyanne Vega & Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University. May 12, 2001.
2001. "Phototaxis in land snails: Do light intensity and color influence response?" *Markitta Jemerson-Dixon, *Sara Mendoza, *Julian Nguyen, & Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University. May 12, 2001.
2001. "Infanticide in mice, *Mus domesticus*: Does foraging stress influence killing of pups?" *Robyn Klein, *Robert Molinaro & Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University. May 12, 2001.
2001. "Is aggressive behavior in Siamese fighting fish, *Betta splendens*, modified by experience?" Peter Tadros & *Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University. May 12, 2001.

2001. "Predatory decision-making in a praying mantis." *Catherine White & Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University.
May 12, 2001.
2001. "Effects of heavy metals on bone development *in vitro*." *Yaw Dwamena, *Sarah Ramirez, Ann Marie DiLorenzo & Scott L. Kight.
- 24th Annual Sigma Xi Student Research Conference. Montclair State University.
May 12, 2001.
2000. "The Red Queen hypothesis for the evolution of sex: A test of the hypothesis using *Drosophila melanogaster* as a biological model." *Carolyn Eadie, John Smalley & Scott L. Kight.
- 33rd Annual Fall MACUB Conference, Kingsborough Community College, Brooklyn NY, November 04, 2000.
2000. "A comparison of *Hydra littoralis* and *Chlorohydra viridissima* growth rates: Do they differ when grown in the same culture?" *Carolyn Eadie, John Smalley & Scott L. Kight.
-23rd Annual Sigma Xi Student Research Conference. Montclair State University. 2000.
2000. "Classical conditioning in the Redback Salamander, *Plethodon cinereus*: Sonic and vibrational stimuli elicit learning." *Nadine Maignan, *Alicja Dewera, *Jennifer Coelho, *Disha Lynch, *Carolyn Eadie & Scott L. Kight.
-23rd Annual Sigma Xi Student Research Conference. Montclair State University. 2000.
2000. "Classical conditioning in the Redback Salamander, *Plethodon cinereus*: Visual and olfactory stimuli elicit only weak learning." *Anna Zajac, *Kenya Galindez, *Marie Benson, *Chadwick Leo, *Carolyn Eadie & Scott L. Kight.
-23rd Annual Sigma Xi Student Research Conference. Montclair State University. 2000.
1999. "Temperature dependent maternal and paternal investment in two heteropteran species." Scott L. Kight.
- Annual Meetings of the Animal Behavior Society of America. Bucknell University, 1999.
1999. "The evolution of learning in herpetiles." *Carolyn Eadie & Scott L. Kight.
- 1999 Joint Meeting of the American Society of Ichthyologists and Herpetologists, American Elasmobranch Society, the Herpetologists' League, and the Society for the Study of Amphibians and Reptiles, 1999.
1999. "A comparison of classical conditioning by vibratory and olfactory stimuli in the salamander *Plethodon cinereus*." *Marie Benson, *Alicja Dewera, *Carolyn Eadie & Scott L. Kight.
- 32nd Annual MACUB Fall conference. 1999.
1999. "A comparison of classical conditioning in two subspecies of the salamander *Plethodon cinereus*." *Jennifer Coelho, *Disha Lynch, Carolyn Eadie & Scott L. Kight.
- 32nd Annual MACUB Fall conference. 1999.
1999. "Another look at classical conditioning in the salamander *Plethodon cinereus*: Does preconditioning protocol influence learning?" *Chadwick Leo, *Carolyn Eadie & Scott L. Kight.
- 32nd Annual MACUB Fall conference. 1999.

- 1998-1999. "Temperature-dependent parental investment in male waterbugs, *Belostoma flumineum* (Heteroptera: Belostomatidae)." *Mary Batino, *Zhen Zhang & Scott L. Kight.
 - 22nd Annual Sigma Xi Student Research Conference, 1999. Supporting documents
 - 31st Annual Fall MACUB Conference, 1998.
1999. "Learning in herptile organisms." *Carolyn Eadie, *David Lee & Scott L. Kight.
 - 22nd Annual Sigma Xi Student Research Conference, 1999.
1998. "Learning behavior in reptiles and amphibians." *Carolyn Eadie & Scott L. Kight.
 - 31st Annual Fall MACUB Conference, 1998.
1998. "Precocene II modifies maternal responsiveness in the burrower bug, *Sehirus cinctus*." Scott L. Kight
 - Annual Meetings of the New Jersey Research Consortium, 1998.
1998. "The effects of time and temperature on the duration of maternal care in a burrower bug (Heteroptera: Cydnidae)." Scott L. Kight.
 - 21st Annual Sigma Xi Student Research Conference, 1998.
- 1997-1998. "The evolution of learning in Chelonians." *Carolyn Eadie & Scott Kight.
 - 21st Annual Sigma Xi Student Research Conference, 1998.
 - Annual Fall Conference of the Metropolitan Association of College and University Biologists (MACUB). 1997.
1995. "Maternal motivation: Bugs can be tenacious." Scott L. Kight.
 - Annual Meetings of the Animal Behavior Society, 1995.
1995. "Why don't maternal insects need to call time and temperature?" Scott L. Kight.
 - Animal Behavior Symposium, Indiana University, 1995.
- 1993-1994. "Factors influencing maternal behavior in a burrower bug, *Sehirus cinctus*." Scott L. Kight.
 - Annual Meetings of the Animal Behavior Society, 1994.
 - Annual Midwest Meetings of the Animal Behavior Society, 1994.
 - Annual Meetings of the Indiana Academy of Science, 1993.
 - Animal Behavior Symposium, Indiana University, 1993.
1991. "Factors influencing the allocation of paternal care in giant water bugs, *Belostoma flumineum* Say (Hemiptera: Belostomatidae)." Scott L. Kight.
 - Annual Midwest Meetings of the Animal Behavior Society, 1991.
 - Illinois Board of Governors Student Research Symposium, 1991.

GRANT AWARDS

Grant Proposals Recently Submitted and Revised

Kight, S.L. In Revision (deadline February 2011). URM: Undergraduate Research in Ecology at Montclair State University and the New Jersey School of Conservation. Undergraduate Research Mentoring in Biology. National Science Foundation. Amount Requested: \$938,332.

Grants Funded

Kight, S.L., Lustigman, B.K., Lee, J. & Chestnut, J. 2001. Communities of inquiry: Bridging the associate, baccalaureate and beyond. NIGMS, National Institutes of Health. \$175,517

Kight, S.L., Gaynor, J.J., Smallwood, J.A. & Vanderklein, D. 1999. A true undergraduate life-science research community: Classroom to career. National Science Foundation, Curriculum, Course & Laboratory Improvement (CCLI). \$67,925 + 67,925 match = \$135,850

PROFESSIONAL SERVICE

Recent University Service

2007-2010: Chair, Graduate Council and Provost Appointee
2010: Acting Director, New Faculty Program, Montclair State University
2007-2011: Resource Faculty, New Faculty Program, Montclair State University
2008-2009: Chair, Search Committee for Vice Provost Research and Dean of Graduate School
2009- Advisory Board Member, Research Academy for University Learning
2006-2008: Graduate Council, CSAM Representative
2007: Search Committee: Director, Research and Sponsored Programs
2007: Search Committee: Director of the Writing Center
2006: Search Committee: Director of the Writing Center
2005-2006: Co-Chair, University Chairs Council. Montclair State University.
2005: Search Committee: Assistant Dean of the Graduate School.
2004-2006: Advisory Board. Agenda for Democracy in Education.
2005: Marine biology presentation: Montclair State Childcare Center.
2003: Entomology presentation: Montclair State Childcare Center.
2000-2002: Member at Large, President's Commission on Affirmative Action

Recent College Service

2010-2011: Science Honors Program (SHIP) Advisory Committee and Research Mentor
2009-2010: CSAM Honors Program Exploratory Committee
2006-2008: CSAM Interdisciplinary Council

2006-2007: Search Committee: Science Technician, Marine Biology Lab.
2003-2007: Executive Committee for Doctor of Environmental Management Program.
2003-2006. College of Science and Mathematics Administrative Council.
2003-2006. College of Science and Mathematics Chair's Council.
2004: Chair of Search Committee for Director of Passaic River Institute.
2002-2003: Development Committee for B.S./M.S. Program in Aquatic and Coastal Science.

Recent Department Service

2007-2011: Graduate Program Coordinator, Biology MS and Biology BS/MS. (on-load)
2009-2010: Department Personnel Advisory Committee
2007: Chair, Department Personnel Advisory Committee
2006-2007: Department Personnel Advisory Committee
2007: Search Committee, Neurobiologist.
2006: Search Committee, Molecular Biologist
2006-2007: Developed BS/MS in combined program in Biology.
2006-2007: Developed MS Concentration in Ecology and Evolution.
2000-2004: Director of Classroom to Career: Undergraduate Research Communities.
2004: Chair of Search Committee for Physiological Ecologist Position in Biology.
2001-2003: Director of Bridges to the Baccalaureate Articulation Program with Essex County College.
2002-2003: Chair of Search Committee for Director of Aquatic and Coastal Sciences Program.
2001-2002: Chair of Department Curriculum Revision Subcommittee (BIOL113).

Discipline-based

2010- Editorial Board. *Terrestrial Arthropod Reviews*. Brill Publishers.
1995-2011: Scientific Peer Review.
National Science Foundation
Panel Review: REU (Research Experience for Undergraduates)
Ad hoc: proposals for Directorate for Biological Science
New Hampshire Agricultural Experiment Station
Acta Oecologica
Animal Behaviour
Behavioural Processes
Caribbean Journal of Science
Canadian Journal of Zoology
Chemosphere
Ethology
Hormones and Behavior
Journal of Insect Physiology
Journal of the Kansas Entomological Society
Journal of Insect Behavior
Journal of Morphology
Invertebrate Reproduction and Development

Learning & Behavior
Psyche
Terrestrial Arthropod Reviews
The Wilson Bulletin

- 2007: Judge, Poster Contest. First Annual Undergraduate Research Conference. William Patterson University.
- 2006: Essex County College. Advisory Board. "Cultivating the S.T.E.M."
- 2005: Essex County College. External review of new General Science major program.
- 2004-2006: Essex County College. Advisory Board Member for Biotechnology program.
- 2005: Wadsworth Publishing Company. Textbook Review. *Biology*, 8th Edition.
- 2005: Research Sponsor: Newark Academy High School. Student spent a semester in my research laboratory.
- 2004: Essex County College. External review of Department of Biology and Chemistry.
- 2004: Wadsworth Publishing Company. Textbook Review: *Secondary Science Teaching*.
- 2004: McGraw-Hill Publishing Company. Textbook Website Development: *Evolution*.
- 2003: Executive Committee of SHARE (Sandy Hook Area Research Enterprise).
- 2003: McGraw-Hill Publishing Company. Textbook Review: *Evolution*.
- 2001: McGraw-Hill Publishing Company. Textbook Review: *Zoology 5th edition*.
- 2000-2001: Consultant: Urban park development. New Jersey Department of Environmental Protection and Borough of Roseland, New Jersey.
- 2000: Educational Testing Service (ETS) and The College Board. "Assessment Futures Culminating/Interim Assessment". Science content consultant.
- 2000: EduChange, Inc. Consultant on development of curricular materials.
- 1998-1999: Blackwell Scientific Publishers. Textbook Review: *Evolution*.
- 1994-1997: Animal Care Committee. Animal Behavior Society
- 1990: Illinois Department of Nuclear Safety. Biological survey of potential nuclear waste facility.

Associate Memberships

- 1991-2011 Animal Behavior Society
- 1998-2011 Entomological Society of America, Eastern Branch
- 1997-2011 American Entomological Society
- 1993-2011 Kansas Entomological Society (Central States Entomological Society)
- 1993-2011 Sigma Xi
- 1998-2011 Metropolitan Association of College and University Biologists
- 2000-2011 National Network for Educational Renewal
- 2000-2011 New Jersey Network for Educational Renewal
- 1998-1999 New Jersey Research Consortium
- 1997-1999 Society for the Study of Evolution
- 1992-1996 Indiana Academy of Science

REFERENCES

Kipp C. Kruse, Ph.D.	Professor of Zoology Eastern Illinois University Charleston, IL 61920	217-581-3011 kckruse@eiu.edu
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Ellen D. Ketterson, Ph.D.	Professor of Biology Indiana University Bloomington, IN 47405	812-855-6837 ketterso@indiana.edu
Craig Nelson, Ph.D.	Professor of Biology Indiana University Bloomington, IN 47405	812-855-1345 nelson1@indiana.edu
William Thomas, Ph.D.	Director New Jersey School of Conservation Branchville, NJ 07826	973-655-7614 thomasw@montclair.edu
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