

Curriculum Vitae

**Scott L. Kight, Ph.D.**

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Associate Dean for Student Affairs  
and Professor of Biology  
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College of Science and Mathematics  
and Department of Biology  
Montclair State University  
Montclair, NJ 07043 U.S.A.

EDUCATION

Ph.D.	Biology	Indiana University, Bloomington	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	1991
B.S.	Zoology	Southern Illinois University, Carbondale	1989
		B.S. Minor: Chemistry	
A.S.	Science	Olney Central College, Olney Illinois	1987

PROFESSIONAL EXPERIENCE

Montclair State University  
Montclair, New Jersey

Associate Dean for Student Affairs -- College of Science and Mathematics	2018 – present
Professor of Biology	2018 – present
Acting Associate Dean for Administrative Affairs -- College of Science and Mathematics	2017 – 2018
Associate Professor of Biology	2002 – 2018
Director, University New Faculty Program	2014 – 2017
Graduate Program Coordinator, Biology MS	2007 – 2017
Graduate Council Chairperson	2007 – 2010
Biology Department Chairperson	2003 – 2006
Biology Department Associate Chairperson	2002 – 2003
Assistant Professor of Biology	1997 – 2002

## OTHER PROFESSIONAL EXPERIENCE

Skidmore College, Saratoga Springs, New York Visiting Assistant Professor of Biology	1996 – 1997
Indiana University, Bloomington, Indiana Associate Instructor of Biology	1991 – 1996
Eastern Illinois University, Charleston, Illinois Graduate Teaching Assistant of Zoology	1989 – 1991

## HONORS AND AWARDS

University Distinguished Teacher	2012
College of Science and Mathematics Teaching Award	2008
College of Science and Mathematics Service Award	2005
Phi Kappa Phi	2004
Who's Who Among America's Teachers	2004
Montclair State Student Government Association Outstanding Teacher Award	1998

## TEACHING EXPERIENCE – MONTCLAIR STATE UNIVERSITY

BIOL 100	Biological Science	Summer 1998
BIOL 113	Principles of Biology II	Fall 02-16, Spring 03-14, Summer 09-17
BIOL 132	Animal Form and Function	Fall 1997-2001, Spring 1998-2002
BIOL 199	Freshman Seminar in Biology	Fall 2004, 2006
BIOL 213	Introduction to Ecology	Spring 14-16, Summer 13-17
BIOL 330	Introduction to Animal Behavior	Summer 1999-2017
BIOL 417	Evolutionary Biology	Fall 97-16, SP 04-17, WI 10-16, SU 15-16
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	FA 05, 09-15, SP 04, 07-08, 11, 13, 14-17
HONP 211	Honors Seminar in Science II	Spring 1999, 2000-2005, 2010
PHED 401	Teaching of Science (Methods)	Fall 2000, 2001, 2002, 2003

## PUBLICATIONS and PRESENTATIONS

### Refereed Publications

- Herbert-Berger, K.G., Goodey, N., Ruczyzyk, S., Kight, S.L., & Marlowe, T.J. 2019. Infusing CS graduate transition curriculum with professional, technical and data science competencies. *Proceedings of the 50<sup>th</sup> ACM Technical Symposium on Computer Science Education*. <https://doi.org/10.1145/3287324.3293828>
- Kight, S.L., Coffey, G.L., Tanner, A.W., Dmytriw, M.P., Tedesco, S.L., Hoang, J., & Aboagye, A.K. 2018. Recent changes in reproductive phenology of a K-selected aquatic insect predator, *Belostoma flumineum* Say (Heteroptera, Belostomatidae). *Bulletin of Entomological Research*. 2018: 1-6.
- Casner, A.M., Fackelman, H.C., Degtyareva, O. & Kight, S.L. 2016. Do female Western Mosquitofish, *Gambusia affinis*, prefer ornaments that males lack? *Ethology*. 122: 1-10.
- Zimmerman, K.I. & Kight, S.L. 2016. Responses of four arthropod prey species to mechanosensory, chemosensory and visual cues from an arachnid predator: A comparative approach. *Life: The Excitement of Biology*. 4: 113-134.
- Hegarty, K.G. & Kight, S.L. 2014. Do predator cues influence turn alternation behavior in terrestrial isopods *Porcellio laevis* Latreille and *Armadillidium vulgare* Latreille? *Behavioural Processes*. 106: 168-171.
- Kight, S.L., Tanner, A.W., Coffey, G.L. 2011. Termination of brooding in male giant waterbugs is associated with season, egg pad size, and presence of females. *Invertebrate Reproduction and Development*. 55:197-204.
- 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.

#### Invited Research Presentations

2015. Behavioral factors influencing arthropod species interactions. Seton Hall University.
2014. Parental behavior and adaptive decision making in arthropods. Fairleigh Dickenson University.
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.

Research Presentations/Abstracts

(\* denotes research student co-presenter)

2017. "Do light and dark environments have development-associated effects in *Blatta lateralis* cockroaches?" \*Linda Ali and Scott Kight.  
Annual Meetings of the Metropolitan Association of College/University Biologists  
Student Research Symposium, William Paterson University  
Student Research Symposium, Montclair State University
2016. "Do giant waterbugs, *Belostoma flumineum* Say, exhibit turn alternation behavior in response to indirect predator cues?" \*Samantha Tedesco, \*Johnny Hoang and Scott Kight  
Student Research Symposium, William Paterson University  
Student Research Symposium, Montclair State University
2016. "Comparison of turn alternation frequencies in nymph and adult Turkestan cockroaches (*Blatta lateralis*)."  
\*Andrew Aboagye and Scott Kight  
Student Research Symposium, William Paterson University  
Student Research Symposium, Montclair State University
2015. "Is the rolling behavior in the isopod *Armadillidium vulgare* influenced by the presence of a predator?" \*Emily Brodtkin and Scott Kight. Annual Meetings of the Metropolitan Association of College/University Biologists
2015. "Does social context influence positional, feeding and aggressive behavior in Turkestan cockroach nymphs, *Blatta lateralis*?" \*Peter Cruz and Scott Kight.  
LSAMP conference, Rutgers University  
Student Research Symposium, Montclair State University  
Annual Meetings of the Metropolitan Association of College/University Biologists
2015. "Foraging efficiency of immature *Blatta lateralis* and *Blatta germanica* in simple and complex environments." \*Stefania Ruiz and Scott Kight.  
Student Research Symposium, Montclair State University.  
Annual Meetings of the Metropolitan Association of College/University Biologists
2012. "Do Female Mosquitofish (*Gambusia affinis*, Poeciliidae) Possess Sensory Biases for Male Coloration?" \*Ariel Casner, \*Heather Fackelman, \*Olga Degtyareva, Scott Kight.  
45<sup>th</sup> annual meeting of the Metropolitan Association of College and University Biologists. Adelphi University.

2011. “When did female preference for male coloration evolve in poeciliid fish? A test of the sensory exploitation hypothesis. \*Ariel Casner, \*Heather Fackelman, Scott Kight. Fifth Annual Student Research Symposium, Montclair State University.
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.
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. 27<sup>th</sup> 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. 27<sup>th</sup> 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.  
27<sup>th</sup> 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  
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  
25th Annual Sigma Xi Student Research Conference. Montclair State University.
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).
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.
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.
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.
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.
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.
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.
2001. "Predatory decision-making in a praying mantis." \*Catherine White & Scott L. Kight.  
24th Annual Sigma Xi Student Research Conference. Montclair State University.
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.
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,
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. "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. "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.
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. "The evolution of learning in herpetiles." \*Carolyn Eadie & Scott L. Kight.  
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. "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. "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. "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
- 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  
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
1998. "Learning behavior in reptiles and amphibians." \*Carolyn Eadie & Scott L. Kight.  
31st Annual Fall MACUB Conference
1998. "Precocene II modifies maternal responsiveness in the burrower bug, *Sehirus cinctus*." Scott L. Kight  
Annual Meetings of the New Jersey Research Consortium
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

- 1997-1998. "The evolution of learning in Chelonians." \*Carolyn Eadie & Scott Kight.  
21st Annual Sigma Xi Student Research Conference  
Annual Fall Conference of the Metropolitan Association of College and University Biologists (MACUB).
1995. "Maternal motivation: Bugs can be tenacious." Scott L. Kight.  
Annual Meetings of the Animal Behavior Society
1995. "Why don't maternal insects need to call time and temperature?" Scott L. Kight.  
Animal Behavior Symposium, Indiana University
- 1993-1994. "Factors influencing maternal behavior in a burrower bug, *Sehirus cinctus*." Scott L. Kight.  
Annual Meetings of the Animal Behavior Society  
Annual Midwest Meetings of the Animal Behavior Society  
Annual Meetings of the Indiana Academy of Science  
Animal Behavior Symposium, Indiana University
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  
Illinois Board of Governors Student Research Symposium

## STUDENT RESEARCH

### M.S. Theses

Jesse Eichler, B.S.	Antipredator behavior in clams	Current
Lauren O'Neil, B.S.	Density dependent effects in clams	Current
Matthew Havers, B.S.	Parasitoid wasp biodiversity	Current
Olivia Paradis, B.S.	Microplastic ingestion in clams	Current
Tiana Bonventre, B.S.	Kin recognition in snails	Current
Kelly Pniewski, M.S.	Predator/prey sensory ecology	2014
Michael Dmytrw, M.S.	Reproductive ecology of belostomatids	2013
Kate Garvey, M.S.	Learning in belostomatids	2013
Gena Coffey, B.S.	Season and paternal care in belostomatids	2011
Christina Soman, B.S.	Language as "honest signal" in mate choice	2010
Mary Castillo, M.S.	Predator stress and reproduction in oniscids	2004
Carolyn Eadie, M.S.	An empirical test of the Red Queen hypothesis	2001

### Graduate Student Research (published)

Kelly Zimmerman, M.S.	Predator/prey sensory ecology	2016
Gena Coffey, B.S.	Termination of care in <i>Belostoma</i>	2011
	Lateralized behavior in <i>Belostoma</i>	2008
Julie Lucente, B.S.	Lateralized behavior in <i>Belostoma</i>	2008
K. Houghtaling, M.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)

Ariel Casner, B.S.	Sensory exploitation in <i>Gambusia</i>	2016
Heather Fackelman, B.S.	Sensory exploitation in <i>Gambusia</i>	2016
Olga Degtyarova, B.S.	Sensory exploitation in <i>Gambusia</i>	2016
K. Hegarty, B.S.	Alternating turns in terrestrial isopods	2014
A. Tanner, B.S. (now Ph.D.)	Termination of care in <i>Belostoma</i>	2011
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. (now DVM)	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)

L. Ali	Aggregation behavior in <i>Blatta</i>	2017
A. Aboagye	Turn alternation in <i>Blatta</i>	2016
J. Hoang	Antipredator behavior in <i>Belostoma</i>	2016
S. Tedesco	Antipredator behavior in <i>Belostoma</i>	2016
E. Brodtkin	Antipredator behavior in <i>Armadillidium</i>	2015
P. Cruz	Species interactions in <i>Blatta</i>	2015
S. Ruiz	Foraging efficiency in <i>Blatta</i>	2014
C. Connolly, B.S.	Habitat preference in <i>Notophthalmus</i>	2004
A. Richardson, B.S.	Habitat preference in <i>Notophthalmus</i>	2004
S. Goring	Magnetic compass orientation in <i>Notophthalmus</i>	2004
A. Bartley, B.S.	Effects of RET and GFRa in NB41A3 cells	2001
E. Conception, B.S.	Morphological conservation in clonal lineages	2001

S. Vega, B.S.	Morphological conservation in clonal lineages	2001
M. Dixon, B.S.	Phototaxis and color perception in land snails	2001
S. Mendoza, B.S.	Phototaxis and color perception in land snails	2001
P. Nguyen, B.S.	Phototaxis and color perception in land snails	2001
R. Molinaro, B.S.	Murine infanticide and foraging complexity	2001
R. Kline, B.S.	Murine infanticide and foraging complexity	2001
P. Tadros, B.S.	Aggression and experience in <i>Betta splendens</i>	2001
C. White, B.S.	Predatory decision-making in mantids	2001
S. Ramirez, B.S.	Bone development under heavy metal exposure	2001
N. Maignan, B.S.	Classical conditioning in <i>Plethodon</i>	2000
C. Leo, B.S.	Classical conditioning in <i>Plethodon</i>	2000
A. Zajac, B.S.	Classical conditioning in <i>Plethodon</i>	2000
K. Galindez, B.S.	Classical conditioning in <i>Plethodon</i>	2000
M. Benson, B.S.	Classical conditioning in <i>Plethodon</i>	1999

#### Additional Graduate Research

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

#### Additional Undergraduate Research (Independent Studies BIOL418)

K. Jaludi	Density and water chemistry in clams	2017
A. Vallecillo	Density and water chemistry in clams	2017
H. Masri	Parasitoid wasp biodiversity	2017
C. Cruz	Parasitoid wasp biodiversity	2017
S. Strong	Phototaxis in clams	2017
M. Dukuray	Antipredator behavior in <i>Blatta</i>	2017
T. Cerame	Turn alternation in <i>Blatta</i>	2017
D. Ramseyer	Chemosensory behavior in <i>Blatta</i>	2016
J. Tlatelpa	Turn reversal behavior in <i>Blatta</i>	2016
M. Pallodino	Turn alternation in <i>Blatta</i>	2016
B. Moraktan	Species interactions in <i>Blatta</i>	2016
S. Makadia	Antipredator learning in <i>Blatta</i>	2016
M. Shakir	Species interactions in <i>Blatta</i>	2015
A. Lalabekova	Species interactions in <i>Blatta</i>	2014
J. Greendyk	Antipredator behavior in <i>Acheta</i>	2014
S. Franco	Antipredator behavior in <i>Acheta</i>	2014
A. Gardner	Vocabulary as honest signal in mate choice	2011
Z. Estevez	Vocabulary as honest signal in mate choice	2011
N. Lawrence	Vocabulary as honest signal in mate choice	2010
J. Ricketts	Vocabulary as honest signal in mate choice	2010
S. Hashemisohi	Vocabulary as honest signal in mate choice	2010
M. Holsten	Vocabulary as honest signal in mate choice	2010
E. Malyshev	Vocabulary as honest signal in mate choice	2010
M. Moore	Global climate change and behavior	2009

J. Puglionisi	Global climate change and behavior	2009
E. Habura	Global climate change and behavior	2009
M. Witek	Global climate change and behavior	2008
S. Girley	Global climate change and behavior	2008
L. Bucci	Global climate change and behavior	2008
P. Chan	Sexual antagonism in guppies	2008
D. Muro	Sexual antagonism in guppies	2008
K. Astorga	Refuge and sexual antagonism in guppies	2007
B. Knipping	Familiar females and sexual antag in guppies	2007
L. Salerno	Predator and sexual antagonism in guppies	2007
M. Baranowski, B.S.	Foraging behavior in sunfish	2005
Claudia Batson, B.S.	Predatory behavior of wolf spiders	2004
Julissa Torres, B.S.	Morphological analysis of aquatic invertebrates	2004
Daniel Carrino, B.S.	Lateralized behavior in belostomatids	2004
I. Huertas, B.S.	Maternal investment in oniscids	2002
Jenna Brandt, B.S.	Maternal investment in oniscids	2002
Jaime Roldan, B.S.	Maternal investment in oniscids	2001
F. DeLaCruz, B.S.	Maternal investment in oniscids	2001
W. Heaney, B.S.	Maternal investment in oniscids	2000
M. Dalkowska, B.S.	Classical conditioning in <i>Plethodon</i>	2000
Victoria Velez, B.S.	Morphological analysis of oniscids	2000
Sorwar Barik, B.S.	Analysis of insects of Malaysia	1999
B. Severino, B.S.	Morphological analysis of oniscids	1999
D. Graziano, B.S.	Morphological analysis of oniscids	1999
Meghna Patel, B.S.	Morphological analysis of oniscids	1999
Baljit Punia, B.S.	Morphological analysis of oniscids	1999
Sabine Cima, B.S.	Morphological analysis of oniscids	1998
Kristen Priolo, B.S.	Morphological analysis of oniscids	1988

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

A. Olawemimo	Thermal influences on anuran behavior	2007
Rachel Baird	Thermal influences on anuran behavior	2007
V. Bonhomme	Spatial behavior in gyrid beetles	2007
Donna Destefano	Feeding behavior of crayfish	2007
M. Krasnopolsky	Spectral sensitivity of sunfish	2007
W. Martinez	Spatial behavior of gerrid waterstriders	2007
Philip Prentice	Distribution of ticks at NJSOC	2007
Lady Santoyo	Bio-assessment of the Flatbrook river	2007
Abdul Shah	Spectral sensitivity of sunfish	2007
Brynn Sheehan	Feeding behavior of crayfish	2007
Nicole Tarsan	Spatial distribution of turtles at NJSOC	2007
B. Thertus	Response of gyrids to predator cues	2007
Paul Titcombe	Spectral sensitivity of sunfish	2007
Tagen Carbone	Compass orientation in turtles	2004
Darrell Carson, B.S.	Response to oxygen stress in stonefly larvae	2004

John Clark	Mineral contaminant uptake in bryophytes	2004
Stael Dumesle	Comparison of paternal behavior in sunfish	2004
Sean Maurizi	Allelochemical effects of hemlock stands	2004
Jonathan Ram, B.S.	Comparison of sunfish foraging in two lakes	2004
Travis Reed, B.S.	Conspecific aggression in <i>Dolomedes</i>	2004
Tezeta Roro	Antimicrobial properties of bryophytes	2004
Tiffany Bineli, B.S.	Chemical defense in <i>Notophthalmus</i>	2003
Nicole Graziosi	Chemical defense in <i>Notophthalmus</i>	2003
R. Roshniben	Chemical defense in <i>Notophthalmus</i>	2003
Ryan Ippolito, B.S.	Sex-biased habitat selection in crayfish	2003
W. Mellman, B.S.	Morphology and habitat in sunfish	2003

### RECENT GRANT ACTIVITY

Vanderklein, D., Galster, J., Goodey, N., & Dalley, J. 2016-18. NSF-IUSE:EHR. STEM Pioneers: A 3-year pilot study to increase science literacy and STEM enrollment among first-year first-generation students. Role on project: Senior Personnel. \$300,000.

Herbert, K., Goodey, N., Ruszczyk, S., Marlowe, T., & Kight, S.L. 2018. NSF: S-STEM. NNJ Promoting Graduate Education for Success in the Sciences (PROGRESS). \$5,000,000 over five years. Proposal received positive reviews but was not selected for funding.

Goldfarb, K. 2017. United States Department of Education: OPE: Developing Hispanic-Serving Institutions Program. Montclair State University Center for Hispanic Serving Programs. Role on project: Key Personnel, Faculty Development. Proposal received positive reviews but was not selected for funding.

### PAST NSF/NIH GRANT AWARDS

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

### University Service

2017-present: Committee on University Effectiveness (CUE)  
2016-present: Advisory Board: Research Academy for University Learning  
2014: Interim Director, New Faculty Program, Montclair State University  
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

### College Service

2016-2017: CSAM Advisory Committee: Science Honors Program  
2015: CSAM Task Force: Science Honors Program  
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.

### Department Service

2015: Chair, Search Committee: Department Administrator  
2014: Chair, Search Committee: Science Education Specialist  
2007-2016: Graduate Program Coordinator, Biology MS and Biology BS/MS. (on-load)  
2009-2015: 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 Service

2015-present Editorial Board. *Life: The Excitement of Biology*. Blay Publishers.  
2012-present Editorial Board. *Invertebrate Reproduction and Development*. Taylor and Francis  
Publishers.  
2010-2014 Editorial Board. *Terrestrial Arthropod Reviews*. Brill Publishers.  
1995-present: 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  
Peer-reviewer for more than 30 research journals:  
*Acta Oecologica*  
*Agricultural and Forest Entomology*  
*Animal Behaviour*  
*Behavioural Processes*  
*Biology Letters*  
*Bulletin of Entomological Research*  
*Caribbean Journal of Science*  
*Canadian Journal of Zoology*  
*Chemosphere*  
*Current Zoology*  
*Entomological Science*  
*Ethology*  
*Ethology, Ecology and Evolution*  
*Hormones and Behavior*  
*Invertebrate Biology*  
*Journal of Ecosystems*  
*Journal of Ethology*  
*Journal of Insect Behavior*  
*Journal of Insect Physiology*  
*Journal of the Kansas Entomological Society*  
*Journal of Morphology*  
*Insectes Sociaux*  
*Invertebrate Reproduction and Development*  
*Learning & Behavior*



*PLOS Computational Biology*  
*Psyche*  
*Royal Society Open Science*  
*Southwestern Naturalist*  
*Terrestrial Arthropod Reviews*  
*The Canadian Entomologist*  
*The Wilson Bulletin*  
*ZooKeys*

- 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*, 8<sup>th</sup> 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 5<sup>th</sup> 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-present Animal Behavior Society
- 1993-present Kansas Entomological Society (Central States Entomological Society)
- 1993-present Sigma Xi
- 1998-present Metropolitan Association of College and University Biologists
- 1998-2011 Entomological Society of America, Eastern Branch
- 1997-2011 American Entomological Society
- 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

Robert S. Prezant, Ph.D.	Provost and Vice President for Academic Affairs Southern Connecticut University New Haven, CT 06515	203-392-5350 prezantr1@southernct.edu
William Thomas, Ph.D.	Director New Jersey School of Conservation Branchville, NJ 07826	973-655-7614 thomasw@montclair.edu
Sandra D. Adams, Ph.D.	Professor of Biology Montclair State University Montclair, NJ 07043	973-655-7527 adamssa@montclair.edu
David Domozych, Ph.D.	Professor of Biology Skidmore College Saratoga Springs, NY 12866	518-580-5075 ddomoz@skidmore.edu
Ellen D. Ketterson, Ph.D.	Distinguished Professor of Biology Indiana University Bloomington, IN 47405	812-855-6837 ketterso@indiana.edu
Craig Nelson, Ph.D.	Professor Emeritus of Biology Indiana University Bloomington, IN 47405	812-855-1345 nelson1@indiana.edu
Kipp C. Kruse, Ph.D.	Professor Emeritus of Zoology Eastern Illinois University Charleston, IL 61920	217-581-3011 kckruse@eiu.edu